UNIVERSITY OF TECHNOLOGY, SYDNEY

UTS:HANDBOOK

2014

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www.handbook.uts.edu.au

Readers are responsible for verifying information which pertains to them by contacting a UTS Student Centre.

EQUAL OPPORTUNITY

It is the policy of UTS to provide equal opportunity for all persons and to prevent discrimination and harassment on the basis of race, colour, descent, national or ethnic origin, ethno-religious background, sex, marital status, pregnancy, potential pregnancy, family responsibilities, disability (physical, intellectual, psychiatric, sensory, neurological, or learning disabilities, and illnesses such as HIV/AIDS), age, homosexuality, transgender status, political conviction, and religious belief.

The Equal Opportunity and Diversity policy describes responsibilities for all members of the UTS community and sets out consequences of any breach of the policy:

www.gsu.uts.edu.au/policies/equalopportunity.html

FREE SPEECH

UTS supports the right to freedom of speech and the rights of its members to contribute to the diversity of views presented in our society.

The policy on the Expression and Practice of Religious, Political and Other Values, Beliefs and Ideas at UTS defines the rights and responsibilities of members of the UTS community in relation to the provisions and parameters that support freedom of speech:

www.gsu.uts.edu.au/policies/expressionpracticepolicy.html

NON-DISCRIMINATORY LANGUAGE

UTS has adopted the use of non-discriminatory language as a key strategy in providing equal opportunity for all staff and students. Guidelines for the use of non-discriminatory language have been developed and all members of the University community are encouraged to use them.

www.equity.uts.edu.au/language/inclusive

ACCESS UTS ON THE WEB

www.uts.edu.au

UTS: Handbook

www.handbook.uts.edu.au

UTS: Calendar

www.calendar.uts.edu.au

UTS Legislation, Rules and Policies

www.gsu.uts.edu.au/lrp.html

EDITORIAL AND PRODUCTION

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HOW TO USE THIS HANDBOOK

The *UTS: Handbook 2014* provides comprehensive information on approved courses and subjects to be offered in 2014. The handbook covers course content and structure, subject and elective choices, attendance patterns, and credit point requirements, as well as important course area information for current and prospective students, and general information on student services and facilities.

The handbook is divided into the following main sections:

- List of courses by course area
- List of courses by faculty
- General information
  - Studying at UTS
  - Understanding courses and subjects
  - Scholarships, assistance and fees
  - Services and facilities
  - Principal dates
  - Academic year dates
- Course area information
  - UTS: Business
  - UTS: Communication
  - UTS: Creative Intelligence and Innovation
  - UTS: Design, Architecture and Building
  - UTS: Education
  - UTS: Engineering
  - UTS: Health
  - UTS: Information Technology
  - UTS: International Studies
  - UTS: Law
  - UTS: Pharmacy
  - UTS: Science
- Courses
  - Undergraduate
  - Postgraduate coursework
  - Postgraduate research
- Study package directory
  - Choice blocks
  - Majors
  - Sub-majors
  - Streams
- Subjects
- Alphabetical lists
  - Subjects
  - Majors
  - Sub-majors

Finding information

General

The general information section has University-wide information for all students on matters such as application and admission, enrolment, fees, financial assistance (including scholarships and prizes), health services, semester start and end dates, study plans, understanding study plans, study packages, location of UTS Student Centres, the library, child care, Students' Association, etc. (see pages 22–49).

Course areas

The course areas section contains information for undergraduate and postgraduate students on each of the University's 11 course areas, including contacts and inquiries, student facilities, centres and associations, etc. (see pages 50–110).

Courses

Information on specific courses can be found in the following ways.

- If you know the course code, go to **Contents**: courses are divided into Undergraduate, Postgraduate coursework, and Postgraduate research, with courses listed numerically by course code (see pages 5–9).
- If you know the course code, you can also go directly to its course entry. Courses appear numerically by course code within their level section (i.e. **Undergraduate courses**, **Postgraduate coursework courses, Postgraduate research courses**) (see pages 111–351).
- If you know the course area you wish to study in, go to **List of courses by course area**: courses are grouped under their course area and divided into Undergraduate, Postgraduate coursework, and Postgraduate research, with courses listed numerically by course code (see pagex 10–15).
- If you know the faculty offering the course, go to **List of courses by faculty**: courses are grouped under their faculty and divided into Undergraduate, Postgraduate coursework, and Postgraduate research, with courses listed numerically by course code (see pagex 16–21).
- If you know the name of the course, go to **Index**: courses are listed alphabetically by course name (see pages 1137–1142).

Subjects

Information on specific subjects can be found in the following ways.

- If you know the subject code, go to **Subjects**: subjects appear numerically by subject code (see pages 738–1111).
- If you know the name of the subject, go to **Alphabetical list of subjects**: subjects are listed alphabetically by subject name (see pages 1112–1131).

Majors, sub-majors, choice blocks or streams

Information on the make up of specific study packages (i.e. the subjects in specific majors, sub-majors, choice blocks and streams) can be found in the following ways.

- If you know the code, go to **Study package directory**: study packages appear alpha-numerically by code (see pages 550–737).
- If you know the name of the major, go to **Alphabetical list of majors**: majors are listed alphabetically by major name (see page 1132).
- If you know the name of the sub-major, go to **Alphabetical list of sub-majors**: sub-majors are listed alphabetically by sub-major name (see page 1134).

CONTENTS

Note: Courses in the handbook appear in numerical order and are listed as such in the contents pages. For the list of courses by course area, see page 10. For the list of courses by faculty, see page 16. An alphabetical listing of all courses appears in the index, see page 1137.

HOW TO USE THIS HANDBOOK . . . 3

CONTENTS . . . 4

LIST OF COURSES BY COURSE AREA . . . 10

LIST OF COURSES BY FACULTY . . . 16

GENERAL INFORMATION . . . 22

Studying at UTS . . . 22
Introduction to UTS . . . 22
Faculties . . . 22
Finding your way around . . . 22
Student inquiries . . . 22
- UTS Student Centres . . . 22
- UTS International . . . 23
- Postgraduate research . . . 23

UTS communication with students . . . 23
- My Student Admin . . . 23
- UTS email . . . 23
- Ask UTS and UTS Service Desk . . . 23
- Other sources of information . . . 23

Student identity cards . . . 23
Application and admission . . . 24
- Domestic students . . . 24
- International students . . . 24
- Non-award and cross-institutional study . . . 24
- English proficiency . . . 24

Enrolment . . . 24
Census dates . . . 25
Academic progression . . . 25
Examinations and results . . . 25
Course completion and graduation . . . 25
Prizes and awards . . . 26
Global exchange . . . 26
Student leadership programs . . . 26
- Beyond UTS International Leadership Development (BUiLD) program . . . 26
- Shopfront . . . 26
- SOUL Award . . . 26
- Peer Network . . . 27
- Brennan Justice and Leadership program . . . 27
- Accomplish Award . . . 27

Studying at UTS:INSEARCH . . . 27
Legislation, rules and policies . . . 27
- UTS rules and policies . . . 27
- UTS Student Charter . . . 27
- Student complaints . . . 27
- Right to information and privacy . . . 27
- NSW child protection legislation . . . 27

Equity and diversity . . . 28
Student Ombuds . . . 28

Understanding courses and subjects . . . 29
Course duration and attendance . . . 29
- Teaching periods . . . 29
- Standard duration . . . 29
- Study load . . . 29
- Enrolment restrictions . . . 29
- Attendance modes . . . 29
- Class attendance . . . 29
- International students . . . 29

Assumed knowledge . . . 29
Credit recognition . . . 30
Professional recognition . . . 30
Availability and typical availability . . . 30
UAC codes . . . 30
Study plans . . . 30
Course structure . . . 30
Sub-structures . . . 30
Course programs . . . 31
Subjects . . . 31
- Credit points . . . 31
- Requisites and anti-requisites . . . 31
- Recommended studies . . . 31
- Core subjects . . . 31
- Options lists . . . 31
- Electives . . . 31
- Subjects offered by other faculties or institutions . . . 31
- Assessment . . . 31

Academic units offering courses and subjects . . . 32
- Centre for Local Government . . . 32
- Institute for Sustainable Futures . . . 32

Scholarships, assistance and fees . . . 33
Scholarships . . . 33
- Vice-Chancellor's scholarships . . . 33
- Faculty-specific scholarships . . . 33
- UTS Diversity Access Scholarships . . . 33
- Scholarships for Indigenous students . . . 33
- Commonwealth scholarships . . . 33
- Postgraduate research scholarships . . . 33
- Scholarships for international students . . . 33

Financial assistance . . . 33
- Study Assist . . . 33
- HECS-HELP . . . 33
- FEE-HELP . . . 34
- SA-HELP . . . 34
- Commonwealth Higher Education Student Support Number (CHESSN) . . . 34
- OS-HELP . . . 34
- Centrelink benefits . . . 34
- Abstudy . . . 34
- International loan schemes . . . 34
- UTS financial assistance . . . 34

Fees and costs . . . 35
- Course and subject fees . . . 35
- Student services and amenities fee . . . 35
- Other costs . . . 35
- International student fees and costs . . . 35

Services and facilities . . . 36
Support for student learning . . . 36
- Student services . . . 36
- Peer-assisted learning . . . 36
- Computing facilities at UTS . . . 36
- Bridging courses . . . 37
- Academic liaison officers . . . 37

Student learning centres . . . 38
- Jumbunna Indigenous House of Learning . . . 38
- Mathematics and ICT Study Centre . . . 38

UTS Library . . . 38

Campus life . . . 38
- Child care . . . 38
- Co-op . . . 38
- Radio 2SER (107.3 FM) . . . 39
- Students' Association . . . 39
- UTS Gallery and Art Collection . . . 39
- UTS Union Ltd . . . 39

Safety, security and sustainability . . . 40
- Safety and security . . . 40
- Sustainability . . . 40

UTS: Business . . . 50
- Information for students . . . 50
- Undergraduate course information . . . 51
- Postgraduate course information . . . 53

UTS: Communication . . . 54
- Information for students . . . 54
- Undergraduate course information . . . 55
- Postgraduate course information . . . 56

UTS: Creative Intelligence and Innovation . . . 58
- Information for students . . . 58
- Undergraduate course information . . . 58

UTS: Design, Architecture and Building . . . 59
- Information for students . . . 59
- Undergraduate course information . . . 60
- Postgraduate course information . . . 60

UTS: Education . . . 62
- Information for students . . . 62
- Teacher education . . . 62
- Adult education . . . 63
- Postgraduate course information . . . 63

UTS: Engineering . . . 64
- Information for students . . . 64
- Undergraduate course information . . . 67
- Postgraduate course information . . . 68

UTS: Health . . . 74
- Information for students . . . 74
- Undergraduate course information . . . 76
- Postgraduate course information . . . 79

UTS: Information Technology . . . 84
- Information for students . . . 84
- Undergraduate course information . . . 86
- Postgraduate course information . . . 86

UTS: International Studies . . . 90
- Bachelor of Arts in International Studies . . . 90
- In-country study . . . 91
- Language and culture subjects . . . 91
- Australian Language and Culture Studies . . . 94
- Foundations in international studies and contemporary society . . . 94
- Special arrangements . . . 94
- Undergraduate course information . . . 95
- Postgraduate course information . . . 96

UTS: Law . . . 96
- Information for students . . . 96
- Undergraduate course information . . . 99
- Postgraduate course information . . . 101

UTS: Pharmacy . . . 104
- Information for students . . . 104
- Postgraduate course information . . . 104

UTS: Science . . . 105
- Information for students . . . 105
- Undergraduate course information . . . 108
- Postgraduate course information . . . 110

UNDERGRADUATE COURSES

C08002 Bachelor of Teaching in Secondary Education . . . 521
C09004 Bachelor of Business (Honours) . . . 111
C09005 Bachelor of Management (Honours) in Events and Leisure . . . 112
C09007 Bachelor of Management (Honours) in Tourism . . . 112
C09009 Bachelor of Arts (Honours) in Communication . . . 113
C09018 Bachelor of Nursing (Honours) . . . 114
C09019 Bachelor of Science (Honours) in Information Technology 114
C09020 Bachelor of Science (Honours) in Mathematics . . . 115
C09021 Bachelor of Mathematics and Finance (Honours) . . . 116
C09022 Bachelor of Biotechnology (Honours) . . . 116
C09023 Bachelor of Science (Honours) in Biomedical Science . . . 117
C09026 Bachelor of Science (Honours) in Applied Chemistry . . . 117
C09029 Bachelor of Science (Honours) in Environmental Science . 118
C09031 Bachelor of Medical Science (Honours) . . . 118
C09035 Bachelor of Science (Honours) in Applied Physics . . . 119
C09046 Bachelor of Science (Honours) in Nanotechnology . . . 120
C09048 Bachelor of Design (Honours) in Architecture . . . 120
C09050 Bachelor of Forensic Science (Honours) in Applied Chemistry . . . 121
C09051 Bachelor of Midwifery (Honours) . . . 122
C09052 Bachelor of Design (Honours) in Photography and Situated Media . . . 122
C09055 Bachelor of Design (Honours) in Interior and Spatial Design . . . 123
C09056 Bachelor of Design (Honours) in Animation . . . 124
C09057 Bachelor of Sport and Exercise Science (Honours) . . . 124
C09058 Bachelor of Sport and Exercise Management (Honours) . . 125
C09059 Bachelor of Design (Honours) in Integrated Product Design . . . 126
C09060 Bachelor of Design (Honours) in Fashion and Textiles . . . 126
C09061 Bachelor of Design (Honours) in Visual Communication . . 127
C09062 Bachelor of Accounting (Honours) . . . 127
C09063 Bachelor of Property Economics (Honours) . . . 128
C09064 Bachelor of Design (Honours) . . . 129
C10004 Bachelor of Design in Architecture . . . 129
C10020 Bachelor of Business Bachelor of Arts in International Studies . . . 130
C10021 Bachelor of Business Bachelor of Arts in International Studies . . . 132
C10026 Bachelor of Business . . . 132
C10027 Bachelor of Business . . . 135
C10039 Bachelor of Management in Events and Leisure . . . 136
C10040 Bachelor of Management in Tourism . . . 137
C10044 Bachelor of Management in Tourism Bachelor of Arts in International Studies . . . 138
C10045 Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies . . . 140
C10048 Bachelor of Management in Tourism and Hospitality . . . 141
C10061 Bachelor of Engineering Diploma in Engineering Practice . . . 142
C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice . . . 148
C10063 Bachelor of Engineering Bachelor of Arts in International Studies . . . 150
C10065 Bachelor of Engineering Bachelor of Business . . . 151
C10066 Bachelor of Engineering Science . . . 152
C10067 Bachelor of Engineering . . . 155
C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice . . . 160
C10069 Bachelor of Engineering Science in Aerospace Operations . . . 162
C10073 Bachelor of Engineering Bachelor of Science . . . 162

C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice . . . 169
C10075 Bachelor of Engineering Bachelor of Medical Science . . . 170
C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice . . . 171
C10078 Bachelor of Engineering Bachelor of Biotechnology . . . 172
C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice . . . 174
C10115 Bachelor of Biomedical Science . . . 175
C10122 Bachelor of Nursing . . . 176
C10123 Bachelor of Nursing Bachelor of Arts in International Studies . . . 180
C10124 Bachelor of Laws . . . 182
C10125 Bachelor of Business Bachelor of Laws . . . 184
C10126 Bachelor of Science Bachelor of Laws . . . 185
C10129 Bachelor of Laws Bachelor of Arts in International Studies . . . 191
C10131 Bachelor of Medical Science Bachelor of Laws . . . 192
C10136 Bachelor of Engineering Science Bachelor of Laws . . . 194
C10143 Bachelor of Information Technology . . . 195
C10148 Bachelor of Science in Information Technology . . . 197
C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice . . . 199
C10155 Bachelor of Mathematics and Finance . . . 202
C10157 Bachelor of Mathematics and Finance Bachelor of Arts in International Studies . . . 204
C10158 Bachelor of Mathematics and Computing . . . 205
C10162 Bachelor of Science Bachelor of Business . . . 209
C10163 Bachelor of Medical Science Bachelor of Business . . . 214
C10164 Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies . . . 215
C10167 Bachelor of Medical Science Bachelor of Arts in International Studies . . . 216
C10169 Bachelor of Biotechnology Bachelor of Business . . . 218
C10172 Bachelor of Biotechnology . . . 219
C10174 Bachelor of Forensic Biology in Biomedical Science . . . 220
C10184 Bachelor of Medical Science . . . 222
C10186 Bachelor of Health Science in Traditional Chinese Medicine . . . 223
C10206 Bachelor of Education in Primary Education . . . 224
C10208 Bachelor of Education Bachelor of Arts in International Studies . . . 226
C10209 Bachelor of Arts in Educational Studies . . . 228
C10214 Bachelor of Construction Project Management . . . 228
C10215 Bachelor of Construction Project Management Bachelor of Arts in International Studies . . . 229
C10219 Bachelor of Business Bachelor of Science in Information Technology . . . 231
C10223 Bachelor of Environmental Biology . . . 234
C10224 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies . . . 235
C10225 Bachelor of Midwifery . . . 236
C10226 Bachelor of Business . . . 238
C10227 Bachelor of Environmental Forensics . . . 239
C10228 Bachelor of Marine Biology . . . 240
C10229 Bachelor of Science in Games Development . . . 242
C10235 Bachelor of Accounting . . . 244
C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies . . . 245
C10242 Bachelor of Science . . . 248
C10243 Bachelor of Science Bachelor of Arts in International Studies . . . 255
C10244 Bachelor of Forensic Science in Applied Chemistry . . . 261
C10245 Bachelor of Science in Information Technology Bachelor of Laws . . . 262
C10246 Bachelor of Arts in Communication (Journalism) . . . 264
C10247 Bachelor of Arts in Communication (Media Arts and Production) . . . 265
C10248 Bachelor of Arts in Communication (Public Communication) . . . 266
C10250 Bachelor of Arts in Communication (Social Inquiry) . . . 268
C10251 Bachelor of Arts in Communication (Information and Media) . . . 269
C10252 Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies . . . 271
C10253 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies . . . 272
C10254 Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies . . . 273
C10256 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies . . . 275
C10257 Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies . . . 276
C10258 Bachelor of Arts in Communication (Journalism) Bachelor of Laws . . . 277
C10259 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws . . . 279
C10260 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws . . . 280
C10261 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws . . . 281
C10263 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws . . . 283
C10264 Bachelor of Global Studies . . . 285
C10265 Bachelor of Design in Photography and Situated Media . . . 286
C10266 Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies . . . 287
C10269 Bachelor of Sound and Music Design . . . 288
C10270 Bachelor of Sound and Music Design Bachelor of Arts in International Studies . . . 289
C10271 Bachelor of Design in Interior and Spatial Design . . . 291
C10272 Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies . . . 292
C10273 Bachelor of Design in Animation . . . 293
C10274 Bachelor of Design in Animation Bachelor of Arts in International Studies . . . 294
C10300 Bachelor of Sport and Exercise Science . . . 295
C10301 Bachelor of Sport and Exercise Management . . . 297
C10302 Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies . . . 297
C10303 Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies . . . 299
C10304 Bachelor of Design in Integrated Product Design . . . 301
C10305 Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies . . . 301
C10306 Bachelor of Design in Fashion and Textiles . . . 303
C10307 Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies . . . 303
C10308 Bachelor of Design in Visual Communication . . . 305
C10309 Bachelor of Design in Visual Communication Bachelor of Arts in International Studies . . . 305
C10310 Bachelor of Property Economics . . . 306
C10311 Bachelor of Arts in Communication (Creative Writing) . . . 307
C10312 Bachelor of Arts in Communication (Creative Writing) Bachelor of Arts in International Studies . . . 308
C10313 Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws . . . 310
C10314 Bachelor of Arts in Communication (Digital and Social Media) . . . 311
C10315 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Arts in International Studies . . . 312
C10316 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws . . . 313
C10317 Bachelor of Arts in Communication (Cultural Studies) . . . 314

C10318 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Arts in International Studies . . . 315
C10319 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws . . . 316
C10320 Bachelor of Property Economics Bachelor of Arts in International Studies . . . 318
C10321 Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation . . . 319
C10322 Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation . . . 320
C10323 Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation . . . 321
C10324 Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation . . . 323
C10325 Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation . . . 324
C10326 Bachelor of Business Bachelor of Creative Intelligence and Innovation . . . 325
C10327 Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation . . . 327
C10328 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation . . . 329
C10329 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation . . . 331
C10330 Bachelor of Science Bachelor of Creative Intelligence and Innovation . . . 333
C10332 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation . . . 338
C10333 Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation . . . 340
C10334 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation . . . 342
C10335 Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation . . . 343
C10336 Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation . . . 344
C10337 Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation . . . 346
C10338 Bachelor of Laws Bachelor of Creative Intelligence and Innovation . . . 347
C10339 Bachelor of Engineering Bachelor of Creative Intelligence and Innovation . . . 348
C20049 Diploma in Information Technology Professional Practice . . . 350

POSTGRADUATE COURSEWORK COURSES

C04006 Master of Project Management . . . 352
C04007 Master of Planning . . . 353
C04008 Master of Property Development . . . 354
C04018 Master of Business Administration . . . 355
C04031 Executive Master of Business Administration . . . 357
C04037 Master of Business in Accounting Information Systems . . . 357
C04038 Master of Business in Accounting and Finance . . . 358
C04048 Master of Business in Finance . . . 359
C04052 Master of Quantitative Finance . . . 360
C04067 Master of Business in Marketing . . . 361
C04085 Master of Engineering Management . . . 361
C04090 Master of Engineering . . . 362
C04094 Master of Engineering Management . . . 366
C04097 Master of Engineering Studies . . . 367
C04098 Master of Environmental Engineering Management . . . 374
C04102 Master of Engineering Management Master of Business Administration . . . 375
C04106 Master of Arts in Journalism . . . 376
C04109 Master of Arts in Creative Writing . . . 377
C04140 Master of Health Services Management . . . 378
C04143 Master of Laws . . . 382
C04145 Master of Dispute Resolution . . . 382
C04147 Master of Legal Studies . . . 383
C04157 Master of Information Technology . . . 384
C04158 Master of Interactive Multimedia . . . 385
C04160 Master of Science in Internetworking . . . 386
C04161 Master of Business in Information Technology Management . . . 387
C04203 Master of Arts in Information and Knowledge Management . . . 388
C04207 Master of Engineering Studies Master of Engineering Management . . . 391
C04218 Master of Information Technology (Extended) . . . 391
C04224 Master of Science in Internetworking (Extended) . . . 393
C04226 Master of Business in Operations and Supply Chain Management . . . 394
C04227 Master of Business in Human Resource Management . . . 395
C04228 Master of Nursing . . . 395
C04229 Master of Business in Management . . . 397
C04231 Master of Arts . . . 398
C04232 Master of Education . . . 400
C04235 Master of Architecture . . . 404
C04236 Juris Doctor . . . 405
C04237 Master of Professional Accounting Extended . . . 406
C04238 Master of Professional Accounting . . . 407
C04239 Master of Management . . . 408
C04240 Master of Advanced Architecture . . . 410
C04241 Master of Science . . . 411
C04242 Master of Communications Law . . . 416
C04243 Master of Design . . . 417
C04244 Master of Arts in Non-fiction Writing . . . 418
C04245 Master of Arts in Teaching English to Speakers of Other Languages . . . 419
C04246 Master of Health Services Management and Planning . . . 420
C04247 Master of Midwifery . . . 422
C04248 Master of Media Arts and Production . . . 423
C04249 Master of Arts in Training and Human Resource Development . . . 424
C04250 Juris Doctor Master of Business Administration . . . 425
C04251 Master of Intellectual Property . . . 427
C04252 Master of Pharmacy . . . 428
C04254 Master of Arts in Communication Management . . . 429
C04257 Master of Local Government . . . 433
C04258 Master of Business in Finance Extended . . . 433
C04259 Master of Business in Management Extended . . . 434
C04260 Master of Business in Human Resource Management Extended . . . 435
C04261 Master of Business in Marketing Extended . . . 435
C04262 Master of Arts in International Studies . . . 436
C04266 Master of Animation . . . 437
C06006 Graduate Diploma in Property Development . . . 438
C06009 Graduate Diploma in Business Administration . . . 439
C06017 Graduate Diploma in Event Management . . . 440
C06033 Graduate Diploma in Local Government Management . . . 440
C06037 Graduate Diploma in Journalism . . . 441
C06041 Graduate Diploma in Creative Writing . . . 442
C06058 Graduate Diploma in Information Technology . . . 443
C06060 Graduate Diploma in Information Technology Management . . . 444
C06096 Graduate Diploma in Adult Literacy and Numeracy Teaching . . . 445
C06097 Graduate Diploma in Mathematics and Statistics for Business and Finance . . . 446
C06099 Graduate Diploma in Intellectual Property . . . 447
C06100 Graduate Diploma in Pharmaceutical Sciences . . . 448
C06101 Graduate Diploma in Integrated Communication . . . 448

C06102 Graduate Diploma in Organisational Change and Communication . . . 450
C06103 Graduate Diploma in Public Relations . . . 451
C06105 Graduate Diploma in Communication Management . . . 452
C06106 Graduate Diploma in International Studies . . . 453
C07002 Graduate Diploma in Planning . . . 454
C07004 Graduate Diploma in Project Management . . . 455
C07012 Graduate Diploma in Accounting and Finance . . . 456
C07018 Graduate Diploma in Management . . . 456
C07019 Graduate Diploma in Community and Not-for-Profit Management . . . 457
C07021 Graduate Diploma in Finance . . . 458
C07023 Graduate Diploma in Quantitative Finance . . . 458
C07027 Graduate Diploma in Tourism Management . . . 459
C07028 Graduate Diploma in Arts Management . . . 460
C07029 Graduate Diploma in Sport Management . . . 460
C07031 Graduate Diploma in Marketing . . . 461
C07044 Graduate Diploma in Nursing . . . 461
C07048 Graduate Diploma in Health Services Management . . . 462
C07070 Graduate Diploma in Midwifery . . . 464
C07073 Graduate Diploma in Australian Law . . . 464
C07074 Graduate Diploma in Legal Studies . . . 465
C07078 Graduate Diploma in Interactive Multimedia . . . 466
C07080 Graduate Diploma in Internetworking . . . 467
C07107 Graduate Diploma in Information Management . . . 468
C07112 Graduate Diploma in Operations and Supply Chain Management . . . 469
C07113 Graduate Diploma in Human Resource Management . . . 470
C07115 Graduate Diploma in Architecture . . . 470
C07118 Graduate Diploma in Teaching English to Speakers of Other Languages . . . 471
C07119 Graduate Diploma in Design . . . 473
C07120 Graduate Diploma in Media Arts and Production . . . 473
C07121 Graduate Diploma in Midwifery Studies . . . 474
C08002 Bachelor of Teaching in Secondary Education . . . 521
C11001 Graduate Certificate in Property and Planning . . . 475
C11005 Graduate Certificate in Project Management . . . 475
C11008 Graduate Certificate in Business Administration . . . 476
C11015 Graduate Certificate in Accounting and Finance . . . 477
C11017 Graduate Certificate in Accounting Information Systems . 477
C11021 Graduate Certificate in Management . . . 478
C11024 Graduate Certificate in Community and Not-for-Profit Management . . . 478
C11027 Graduate Certificate in Finance . . . 479
C11033 Graduate Certificate in Arts Management . . . 479
C11035 Graduate Certificate in Tourism Management . . . 480
C11037 Graduate Certificate in Sport Management . . . 480
C11038 Graduate Certificate in Event Management . . . 481
C11039 Graduate Certificate in Marketing . . . 481
C11048 Graduate Certificate in Engineering . . . 482
C11051 Graduate Certificate in Environmental Engineering Management . . . 486
C11053 Graduate Certificate in Local Government Management . . 487
C11054 Graduate Certificate in Engineering Management . . . 487
C11057 Graduate Certificate in Engineering Management . . . 488
C11058 Graduate Certificate in Journalism . . . 489
C11066 Graduate Certificate in Screenwriting . . . 490
C11071 Graduate Certificate in Editing and Publishing . . . 490
C11106 Graduate Certificate in Mental Health Nursing . . . 491
C11107 Graduate Certificate in Health Services Management . . . 492
C11109 Graduate Certificate in Clinical Management . . . 493
C11115 Graduate Certificate in Diabetes Education and Management . . . 493
C11116 Graduate Certificate in Perioperative Nursing . . . 494
C11117 Graduate Certificate in Anaesthetics and Recovery Room Nursing . . . 494
C11118 Graduate Certificate in Critical Care Nursing . . . 495
C11119 Graduate Certificate in Neuroscience Nursing . . . 496
C11125 Graduate Certificate in Dispute Resolution . . . 497
C11130 Graduate Certificate in Trade Mark Law and Practice . . . 497
C11138 Graduate Certificate in Information Technology Management . . . 498
C11142 Graduate Certificate in Information Technology . . . 499
C11143 Graduate Certificate in Interactive Multimedia . . . 500
C11145 Graduate Certificate in Internetworking . . . 500
C11190 Graduate Certificate in Strategic IT Leadership . . . 501
C11192 Graduate Certificate in Information Technology Project Management . . . 502
C11194 Graduate Certificate in Children's Nursing . . . 502
C11195 Graduate Certificate in Clinical Teaching . . . 503
C11196 Graduate Certificate in Neonatal Nursing . . . 504
C11198 Graduate Certificate in Human Resource Management . . 504
C11199 Graduate Certificate in Operations and Supply Chain Management . . . 505
C11200 Graduate Certificate in Child and Family Health Nursing . . . 506
C11201 Graduate Certificate in Acute Care Nursing . . . 507
C11204 Graduate Certificate in Development Assessment . . . 507
C11206 Graduate Certificate in Professional Accounting . . . 508
C11208 Graduate Certificate in Executive Business Administration . . . 509
C11210 Graduate Certificate in Mathematics . . . 509
C11211 Graduate Certificate in Australian Law . . . 510
C11212 Graduate Certificate in Architecture . . . 511
C11215 Graduate Certificate in Local Government Leadership . . . 511
C11216 Graduate Certificate in Science . . . 512
C11217 Graduate Certificate in Communications Law . . . 513
C11220 Graduate Certificate in Adult Numeracy Teaching . . . 513
C11221 Graduate Certificate in Adult Education . . . 514
C11223 Graduate Certificate in Teaching English to Speakers of Other Languages . . . 515
C11225 Graduate Certificate in Design . . . 516
C11226 Graduate Certificate in Midwifery Studies . . . 517
C11227 Graduate Certificate in Media Arts and Production . . . 517
C11228 Graduate Certificate in Higher Education Teaching and Learning . . . 518
C11229 Graduate Certificate in Intellectual Property . . . 518
C11230 Graduate Certificate in Pharmaceutical Sciences . . . 519
C11232 Graduate Certificate in Professional Legal Practice . . . 519
C11234 Graduate Certificate in Animation . . . 520

POSTGRADUATE RESEARCH COURSES

C02001 Doctor of Philosophy . . . 524
C02018 Doctor of Philosophy . . . 524
C02019 Doctor of Philosophy . . . 525
C02020 Doctor of Creative Arts . . . 525
C02024 Doctor of Philosophy . . . 526
C02028 Doctor of Philosophy . . . 526
C02029 Doctor of Philosophy . . . 527
C02030 Doctor of Philosophy . . . 528
C02031 Doctor of Philosophy . . . 528
C02037 Doctor of Philosophy . . . 529
C02039 Doctor of Philosophy . . . 529
C02041 Doctor of Philosophy . . . 530
C02047 Doctor of Philosophy . . . 531
C02048 Doctor of Philosophy . . . 531
C02050 Doctor of Education . . . 532
C02051 Doctor of Project Management . . . 532
C02052 Doctor of Nursing . . . 534

C02053 Doctor of Midwifery 534
C02054 Doctor of Health Services 535
C02055 Doctor of Education 536
C02056 Doctor of Philosophy 537
C03001 Master of Architecture (Research) 537
C03002 Master of Built Environment (Research) 538
C03012 Master of Design (Research) 538
C03017 Master of Engineering (Research) 539
C03018 Master of Arts in Humanities and Social Sciences (Research) 539
C03024 Master of Laws (Research) 540
C03025 Master of Science in Computing Sciences (Research) 541
C03026 Master of Science in Mathematical Sciences (Research) 541
C03029 Master of Science (Research) 542
C03032 Master of Sustainable Futures (Research) 542
C03034 Master of Arts in International Studies (Research) 543
C03044 Master of Creative Arts (Research) 543
C03046 Master of Business (Research) 544
C03047 Master of Education (Research) 544
C03048 Master of Nursing (Research) 545
C03049 Master of Midwifery (Research) 545
C03050 Master of Health Services (Research) 546
C03051 Master of Analytics (Research) 547
C03052 Master of Sport and Exercise (Research) 547
C03053 Master of Pharmacy (Research) 548
C03054 Master of Pharmaceutical Sciences (Research) 548

STUDY PACKAGE DIRECTORY 550
Choice blocks 550
Majors 637
Sub-majors 691
Streams 707

SUBJECTS 738

ALPHABETICAL LISTS 1112
Subjects 1112
Majors 1132
Sub-majors 1134

UTS CONTACTS AND LOCATIONS 1136

INDEX 1137

LIST OF COURSES BY COURSE AREA

Note: A numerical listing of all courses appears in the contents, see pages 5–9. An alphabetical listing of all courses appears in the index, see page 1137.

BUSINESS

Undergraduate courses

C10026 Bachelor of Business 132
C10027 Bachelor of Business 135
C10039 Bachelor of Management in Events and Leisure 136
C10040 Bachelor of Management in Tourism. 137
C10048 Bachelor of Management in Tourism and Hospitality 141
C10226 Bachelor of Business 238
C10235 Bachelor of Accounting 244

Honours courses

C09004 Bachelor of Business (Honours). 111
C09005 Bachelor of Management (Honours) in Events and Leisure. 112
C09007 Bachelor of Management (Honours) in Tourism. 112
C09062 Bachelor of Accounting (Honours) 127

Combined courses

C10020 Bachelor of Business Bachelor of Arts in International Studies 130
C10021 Bachelor of Business Bachelor of Arts in International Studies 132
C10044 Bachelor of Management in Tourism Bachelor of Arts in International Studies. 138
C10045 Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies 140
C10065 Bachelor of Engineering Bachelor of Business 151
C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice 160
C10125 Bachelor of Business Bachelor of Laws 184
C10162 Bachelor of Science Bachelor of Business 209
C10163 Bachelor of Medical Science Bachelor of Business 214
C10169 Bachelor of Biotechnology Bachelor of Business. 218
C10219 Bachelor of Business Bachelor of Science in Information Technology. 231
C10326 Bachelor of Business Bachelor of Creative Intelligence and Innovation 325

Courses offered in conjunction with others

C10155 Bachelor of Mathematics and Finance 202

Postgraduate coursework courses

C04018 Master of Business Administration 355
C04031 Executive Master of Business Administration. 357
C04037 Master of Business in Accounting Information Systems . . 357
C04038 Master of Business in Accounting and Finance 358
C04048 Master of Business in Finance 359
C04052 Master of Quantitative Finance. 360
C04067 Master of Business in Marketing 361
C04226 Master of Business in Operations and Supply Chain Management 394
C04227 Master of Business in Human Resource Management . . . 395
C04229 Master of Business in Management 397
C04237 Master of Professional Accounting Extended 406
C04238 Master of Professional Accounting. 407
C04239 Master of Management 408
C04258 Master of Business in Finance Extended. 433
C04259 Master of Business in Management Extended 434
C04260 Master of Business in Human Resource Management Extended. 435
C04261 Master of Business in Marketing Extended. 435
C06009 Graduate Diploma in Business Administration. 439
C06017 Graduate Diploma in Event Management 440
C07012 Graduate Diploma in Accounting and Finance 456
C07018 Graduate Diploma in Management 456
C07019 Graduate Diploma in Community and Not-for-Profit Management 457
C07021 Graduate Diploma in Finance 458
C07023 Graduate Diploma in Quantitative Finance 458
C07027 Graduate Diploma in Tourism Management 459
C07028 Graduate Diploma in Arts Management 460
C07029 Graduate Diploma in Sport Management 460
C07031 Graduate Diploma in Marketing 461
C07112 Graduate Diploma in Operations and Supply Chain Management 469
C07113 Graduate Diploma in Human Resource Management 470
C11008 Graduate Certificate in Business Administration 476
C11015 Graduate Certificate in Accounting and Finance. 477
C11017 Graduate Certificate in Accounting Information Systems 477
C11021 Graduate Certificate in Management. 478
C11024 Graduate Certificate in Community and Not-for-Profit Management 478
C11027 Graduate Certificate in Finance 479
C11033 Graduate Certificate in Arts Management. 479
C11035 Graduate Certificate in Tourism Management 480
C11037 Graduate Certificate in Sport Management. 480
C11038 Graduate Certificate in Event Management 481
C11039 Graduate Certificate in Marketing 481
C11198 Graduate Certificate in Human Resource Management . . 504
C11199 Graduate Certificate in Operations and Supply Chain Management 505
C11206 Graduate Certificate in Professional Accounting 508
C11208 Graduate Certificate in Executive Business Administration 509

Postgraduate research courses

C02048 Doctor of Philosophy 531
C03046 Master of Business (Research). 544

COMMUNICATION

Undergraduate courses

C10246 Bachelor of Arts in Communication (Journalism) 264
C10247 Bachelor of Arts in Communication (Media Arts and Production). 265
C10248 Bachelor of Arts in Communication (Public Communication). 266
C10250 Bachelor of Arts in Communication (Social Inquiry). 268
C10251 Bachelor of Arts in Communication (Information and Media) 269
C10269 Bachelor of Sound and Music Design 288
C10311 Bachelor of Arts in Communication (Creative Writing). . . . 307
C10314 Bachelor of Arts in Communication (Digital and Social Media) 311
C10317 Bachelor of Arts in Communication (Cultural Studies) . . . 314

Honours courses

C09009 Bachelor of Arts (Honours) in Communication. 113

Combined courses

C10252 Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies 271
C10253 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies 272
C10254 Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies. 273

C10256 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies 275
C10257 Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies 276
C10258 Bachelor of Arts in Communication (Journalism) Bachelor of Laws 277
C10259 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws 279
C10260 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws 280
C10261 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws 281
C10263 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws. 283
C10270 Bachelor of Sound and Music Design Bachelor of Arts in International Studies 289
C10312 Bachelor of Arts in Communication (Creative Writing) Bachelor of Arts in International Studies 308
C10313 Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws 310
C10315 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Arts in International Studies 312
C10316 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws. 313
C10318 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Arts in International Studies 315
C10319 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws 316
C10332 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation 338
C10333 Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation 340
C10334 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation 342
C10335 Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation 343
C10336 Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation . . 344
C10337 Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation 346

Postgraduate coursework courses

C04106 Master of Arts in Journalism 376
C04109 Master of Arts in Creative Writing 377
C04203 Master of Arts in Information and Knowledge Management 388
C04244 Master of Arts in Non-fiction Writing. 418
C04248 Master of Media Arts and Production 423
C04254 Master of Arts in Communication Management. 429
C04262 Master of Arts in International Studies 436
C06037 Graduate Diploma in Journalism 441
C06041 Graduate Diploma in Creative Writing 442
C06101 Graduate Diploma in Integrated Communication 448
C06102 Graduate Diploma in Organisational Change and Communication 450
C06103 Graduate Diploma in Public Relations. 451
C06105 Graduate Diploma in Communication Management 452
C06106 Graduate Diploma in International Studies. 453
C07107 Graduate Diploma in Information Management 468
C07120 Graduate Diploma in Media Arts and Production 473
C11058 Graduate Certificate in Journalism 489
C11066 Graduate Certificate in Screenwriting 490
C11071 Graduate Certificate in Editing and Publishing 490
C11227 Graduate Certificate in Media Arts and Production 517

Postgraduate research courses

C02019 Doctor of Philosophy 525
C02020 Doctor of Creative Arts 525
C03018 Master of Arts in Humanities and Social Sciences (Research) 539
C03044 Master of Creative Arts (Research) 543

CREATIVE INTELLIGENCE AND INNOVATION

Undergraduate courses

Combined courses

C10321 Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation 319
C10322 Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation 320
C10323 Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation 321
C10324 Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation 323
C10325 Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation 324
C10326 Bachelor of Business Bachelor of Creative Intelligence and Innovation. 325
C10327 Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation 327
C10328 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation 329
C10329 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation 331
C10330 Bachelor of Science Bachelor of Creative Intelligence and Innovation 333
C10332 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation. 338
C10333 Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation 340
C10334 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation 342
C10335 Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation 343
C10336 Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation . . 344
C10337 Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation 346
C10338 Bachelor of Laws Bachelor of Creative Intelligence and Innovation 347
C10339 Bachelor of Engineering Bachelor of Creative Intelligence and Innovation. 348

DESIGN, ARCHITECTURE AND BUILDING

Undergraduate courses

C10004 Bachelor of Design in Architecture 129
C10214 Bachelor of Construction Project Management 228
C10265 Bachelor of Design in Photography and Situated Media . . 286
C10271 Bachelor of Design in Interior and Spatial Design 291
C10273 Bachelor of Design in Animation 293
C10304 Bachelor of Design in Integrated Product Design 301
C10306 Bachelor of Design in Fashion and Textiles. 303
C10308 Bachelor of Design in Visual Communication. 305
C10310 Bachelor of Property Economics 306

Honours courses

C09048 Bachelor of Design (Honours) in Architecture 120
C09052 Bachelor of Design (Honours) in Photography and Situated Media 122
C09055 Bachelor of Design (Honours) in Interior and Spatial Design. 123

C09056 Bachelor of Design (Honours) in Animation 124
C09059 Bachelor of Design (Honours) in Integrated Product Design 126
C09060 Bachelor of Design (Honours) in Fashion and Textiles 126
C09061 Bachelor of Design (Honours) in Visual Communication . . 127
C09063 Bachelor of Property Economics (Honours) 128
C09064 Bachelor of Design (Honours) 129

Combined courses

C10215 Bachelor of Construction Project Management Bachelor of Arts in International Studies 229
C10266 Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies 287
C10272 Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies 292
C10274 Bachelor of Design in Animation Bachelor of Arts in International Studies 294
C10305 Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies 301
C10307 Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies. 303
C10309 Bachelor of Design in Visual Communication Bachelor of Arts in International Studies. 305
C10320 Bachelor of Property Economics Bachelor of Arts in International Studies 318
C10321 Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation 319
C10322 Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation 320
C10323 Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation 321
C10324 Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation 323
C10325 Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation 324

Postgraduate coursework courses

C04006 Master of Project Management 352
C04007 Master of Planning 353
C04008 Master of Property Development 354
C04235 Master of Architecture. 404
C04240 Master of Advanced Architecture 410
C04243 Master of Design 417
C04257 Master of Local Government 433
C04266 Master of Animation 437
C06006 Graduate Diploma in Property Development. 438
C06033 Graduate Diploma in Local Government Management . . . 440
C07002 Graduate Diploma in Planning 454
C07004 Graduate Diploma in Project Management 455
C07115 Graduate Diploma in Architecture 470
C07119 Graduate Diploma in Design. 473
C11001 Graduate Certificate in Property and Planning 475
C11005 Graduate Certificate in Project Management 475
C11053 Graduate Certificate in Local Government Management 487
C11204 Graduate Certificate in Development Assessment 507
C11212 Graduate Certificate in Architecture 511
C11215 Graduate Certificate in Local Government Leadership . . . 511
C11225 Graduate Certificate in Design 516
C11234 Graduate Certificate in Animation 520

Postgraduate research courses

C02001 Doctor of Philosophy 524
C02051 Doctor of Project Management. 532
C03001 Master of Architecture (Research) 537
C03002 Master of Built Environment (Research) 538
C03012 Master of Design (Research) 538

EDUCATION

Undergraduate courses

C08002 Bachelor of Teaching in Secondary Education 521
C10206 Bachelor of Education in Primary Education 224
C10209 Bachelor of Arts in Educational Studies 228

Combined courses

C10208 Bachelor of Education Bachelor of Arts in International Studies 226

Postgraduate coursework courses

C04231 Master of Arts 398
C04232 Master of Education. 400
C04245 Master of Arts in Teaching English to Speakers of Other Languages 419
C04249 Master of Arts in Training and Human Resource Development 424
C06096 Graduate Diploma in Adult Literacy and Numeracy Teaching. 445
C07118 Graduate Diploma in Teaching English to Speakers of Other Languages 471
C08002 Bachelor of Teaching in Secondary Education 521
C11220 Graduate Certificate in Adult Numeracy Teaching 513
C11221 Graduate Certificate in Adult Education 514
C11223 Graduate Certificate in Teaching English to Speakers of Other Languages 515
C11228 Graduate Certificate in Higher Education Teaching and Learning 518

Postgraduate research courses

C02041 Doctor of Philosophy 530
C02050 Doctor of Education 532
C02055 Doctor of Education 536
C03047 Master of Education (Research) 544

ENGINEERING

Undergraduate courses

C10061 Bachelor of Engineering Diploma in Engineering Practice. 142
C10066 Bachelor of Engineering Science 152
C10067 Bachelor of Engineering 155
C10069 Bachelor of Engineering Science in Aerospace Operations 162

Combined courses

C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice . . . 148
C10063 Bachelor of Engineering Bachelor of Arts in International Studies 150
C10065 Bachelor of Engineering Bachelor of Business 151
C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice 160
C10073 Bachelor of Engineering Bachelor of Science. 162
C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice 169
C10075 Bachelor of Engineering Bachelor of Medical Science . . . 170
C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice 171
C10078 Bachelor of Engineering Bachelor of Biotechnology 172
C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice 174
C10136 Bachelor of Engineering Science Bachelor of Laws. 194
C10339 Bachelor of Engineering Bachelor of Creative Intelligence and Innovation 348

Postgraduate coursework courses

C04085 Master of Engineering Management 361
C04090 Master of Engineering. 362
C04094 Master of Engineering Management 366

C04097 Master of Engineering Studies 367
C04098 Master of Environmental Engineering Management 374
C04102 Master of Engineering Management Master of Business Administration 375
C04207 Master of Engineering Studies Master of Engineering Management 391
C11048 Graduate Certificate in Engineering. 482
C11051 Graduate Certificate in Environmental Engineering Management 486
C11054 Graduate Certificate in Engineering Management 487
C11057 Graduate Certificate in Engineering Management 488

Postgraduate research courses

C02018 Doctor of Philosophy 524
C03017 Master of Engineering (Research) 539

GENERAL

Postgraduate research courses

C02037 Doctor of Philosophy 529
C03032 Master of Sustainable Futures (Research) 542

HEALTH

Undergraduate courses

C10122 Bachelor of Nursing 176
C10225 Bachelor of Midwifery 236
C10300 Bachelor of Sport and Exercise Science 295
C10301 Bachelor of Sport and Exercise Management. 297

Honours courses

C09018 Bachelor of Nursing (Honours). 114
C09051 Bachelor of Midwifery (Honours) 122
C09057 Bachelor of Sport and Exercise Science (Honours) 124
C09058 Bachelor of Sport and Exercise Management (Honours). . 125

Combined courses

C10123 Bachelor of Nursing Bachelor of Arts in International Studies 180
C10302 Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies. 297
C10303 Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies. 299
C10328 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation 329
C10329 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation. 331

Postgraduate coursework courses

C04140 Master of Health Services Management 378
C04228 Master of Nursing 395
C04246 Master of Health Services Management and Planning . . . 420
C04247 Master of Midwifery. 422
C07044 Graduate Diploma in Nursing. 461
C07048 Graduate Diploma in Health Services Management. 462
C07070 Graduate Diploma in Midwifery 464
C07121 Graduate Diploma in Midwifery Studies. 474
C11106 Graduate Certificate in Mental Health Nursing. 491
C11107 Graduate Certificate in Health Services Management 492
C11109 Graduate Certificate in Clinical Management 493
C11115 Graduate Certificate in Diabetes Education and Management 493
C11116 Graduate Certificate in Perioperative Nursing 494
C11117 Graduate Certificate in Anaesthetics and Recovery Room Nursing 494
C11118 Graduate Certificate in Critical Care Nursing 495
C11119 Graduate Certificate in Neuroscience Nursing 496
C11194 Graduate Certificate in Children's Nursing 502
C11195 Graduate Certificate in Clinical Teaching. 503
C11196 Graduate Certificate in Neonatal Nursing. 504
C11200 Graduate Certificate in Child and Family Health Nursing 506
C11201 Graduate Certificate in Acute Care Nursing 507
C11226 Graduate Certificate in Midwifery Studies 517

Postgraduate research courses

C02024 Doctor of Philosophy 526
C02052 Doctor of Nursing 534
C02053 Doctor of Midwifery 534
C02054 Doctor of Health Services 535
C03048 Master of Nursing (Research). 545
C03049 Master of Midwifery (Research) 545
C03050 Master of Health Services (Research) 546
C03052 Master of Sport and Exercise (Research) 547

INFORMATION TECHNOLOGY

Undergraduate courses

C10143 Bachelor of Information Technology 195
C10148 Bachelor of Science in Information Technology 197
C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice 199
C10229 Bachelor of Science in Games Development 242
C20049 Diploma in Information Technology Professional Practice. 350

Honours courses

C09019 Bachelor of Science (Honours) in Information Technology 114

Combined courses

C10219 Bachelor of Business Bachelor of Science in Information Technology. 231
C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies 245
C10245 Bachelor of Science in Information Technology Bachelor of Laws 262
C10327 Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation 327

Postgraduate coursework courses

C04157 Master of Information Technology 384
C04158 Master of Interactive Multimedia 385
C04160 Master of Science in Internetworking 386
C04161 Master of Business in Information Technology Management 387
C04218 Master of Information Technology (Extended). 391
C04224 Master of Science in Internetworking (Extended). 393
C06058 Graduate Diploma in Information Technology. 443
C06060 Graduate Diploma in Information Technology Management 444
C07078 Graduate Diploma in Interactive Multimedia. 466
C07080 Graduate Diploma in Internetworking 467
C11138 Graduate Certificate in Information Technology Management 498
C11142 Graduate Certificate in Information Technology 499
C11143 Graduate Certificate in Interactive Multimedia 500
C11145 Graduate Certificate in Internetworking 500
C11190 Graduate Certificate in Strategic IT Leadership 501
C11192 Graduate Certificate in Information Technology Project Management 502

Postgraduate research courses

C02029 Doctor of Philosophy 527
C02047 Doctor of Philosophy 531
C03025 Master of Science in Computing Sciences (Research). . . . 541
C03051 Master of Analytics (Research). 547

INTERNATIONAL STUDIES

Undergraduate courses

C10264 Bachelor of Global Studies 285

Combined courses

C10020 Bachelor of Business Bachelor of Arts in International Studies 130

C10021 Bachelor of Business Bachelor of Arts in International Studies 132

C10044 Bachelor of Management in Tourism Bachelor of Arts in International Studies 138

C10045 Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies 140

C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice . . . 148

C10063 Bachelor of Engineering Bachelor of Arts in International Studies 150

C10123 Bachelor of Nursing Bachelor of Arts in International Studies 180

C10129 Bachelor of Laws Bachelor of Arts in International Studies 191

C10157 Bachelor of Mathematics and Finance Bachelor of Arts in International Studies 204

C10164 Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies 215

C10167 Bachelor of Medical Science Bachelor of Arts in International Studies 216

C10208 Bachelor of Education Bachelor of Arts in International Studies 226

C10215 Bachelor of Construction Project Management Bachelor of Arts in International Studies 229

C10224 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies. 235

C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies 245

C10243 Bachelor of Science Bachelor of Arts in International Studies 255

C10252 Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies 271

C10253 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies 272

C10254 Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies 273

C10256 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies 275

C10257 Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies 276

C10266 Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies 287

C10270 Bachelor of Sound and Music Design Bachelor of Arts in International Studies 289

C10272 Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies 292

C10274 Bachelor of Design in Animation Bachelor of Arts in International Studies 294

C10302 Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies 297

C10303 Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies 299

C10305 Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies 301

C10307 Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies 303

C10309 Bachelor of Design in Visual Communication Bachelor of Arts in International Studies. 305

C10312 Bachelor of Arts in Communication (Creative Writing) Bachelor of Arts in International Studies 308

C10315 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Arts in International Studies 312

C10318 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Arts in International Studies 315

C10320 Bachelor of Property Economics Bachelor of Arts in International Studies 318

Postgraduate research courses

C02039 Doctor of Philosophy 529

C03034 Master of Arts in International Studies (Research). 543

LAW

Undergraduate courses

C10124 Bachelor of Laws 182

Combined courses

C10125 Bachelor of Business Bachelor of Laws 184

C10126 Bachelor of Science Bachelor of Laws 185

C10129 Bachelor of Laws Bachelor of Arts in International Studies 191

C10131 Bachelor of Medical Science Bachelor of Laws 192

C10136 Bachelor of Engineering Science Bachelor of Laws. 194

C10245 Bachelor of Science in Information Technology Bachelor of Laws 262

C10258 Bachelor of Arts in Communication (Journalism) Bachelor of Laws 277

C10259 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws 279

C10260 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws 280

C10261 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws 281

C10263 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws 283

C10313 Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws 310

C10316 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws 313

C10319 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws 316

C10338 Bachelor of Laws Bachelor of Creative Intelligence and Innovation 347

Postgraduate coursework courses

C04143 Master of Laws. 382

C04145 Master of Dispute Resolution 382

C04147 Master of Legal Studies 383

C04236 Juris Doctor 405

C04242 Master of Communications Law. 416

C04250 Juris Doctor Master of Business Administration 425

C04251 Master of Intellectual Property. 427

C06099 Graduate Diploma in Intellectual Property 447

C07073 Graduate Diploma in Australian Law 464

C07074 Graduate Diploma in Legal Studies 465

C11125 Graduate Certificate in Dispute Resolution 497

C11130 Graduate Certificate in Trade Mark Law and Practice 497

C11211 Graduate Certificate in Australian Law 510

C11217 Graduate Certificate in Communications Law 513

C11229 Graduate Certificate in Intellectual Property. 518

C11232 Graduate Certificate in Professional Legal Practice. 519

Postgraduate research courses

C02028 Doctor of Philosophy 526

C03024 Master of Laws (Research) 540

PHARMACY

Postgraduate coursework courses

C04252 Master of Pharmacy 428
C06100 Graduate Diploma in Pharmaceutical Sciences 448
C11230 Graduate Certificate in Pharmaceutical Sciences 519

Postgraduate research courses

C02056 Doctor of Philosophy 537
C03053 Master of Pharmacy (Research) 548
C03054 Master of Pharmaceutical Sciences (Research) 548

SCIENCE

Undergraduate courses

C10115 Bachelor of Biomedical Science 175
C10155 Bachelor of Mathematics and Finance 202
C10158 Bachelor of Mathematics and Computing 205
C10172 Bachelor of Biotechnology 219
C10174 Bachelor of Forensic Biology in Biomedical Science 220
C10184 Bachelor of Medical Science 222
C10186 Bachelor of Health Science in Traditional Chinese Medicine 223
C10223 Bachelor of Environmental Biology 234
C10227 Bachelor of Environmental Forensics 239
C10228 Bachelor of Marine Biology 240
C10242 Bachelor of Science 248
C10244 Bachelor of Forensic Science in Applied Chemistry 261

Honours courses

C09020 Bachelor of Science (Honours) in Mathematics 115
C09021 Bachelor of Mathematics and Finance (Honours) 116
C09022 Bachelor of Biotechnology (Honours) 116
C09023 Bachelor of Science (Honours) in Biomedical Science 117
C09026 Bachelor of Science (Honours) in Applied Chemistry 117
C09029 Bachelor of Science (Honours) in Environmental Science 118
C09031 Bachelor of Medical Science (Honours) 118
C09035 Bachelor of Science (Honours) in Applied Physics 119
C09046 Bachelor of Science (Honours) in Nanotechnology 120
C09050 Bachelor of Forensic Science (Honours) in Applied Chemistry 121

Combined courses

C10073 Bachelor of Engineering Bachelor of Science 162
C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice 169
C10075 Bachelor of Engineering Bachelor of Medical Science . . . 170
C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice 171
C10078 Bachelor of Engineering Bachelor of Biotechnology 172
C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice 174
C10126 Bachelor of Science Bachelor of Laws 185
C10131 Bachelor of Medical Science Bachelor of Laws 192
C10157 Bachelor of Mathematics and Finance Bachelor of Arts in International Studies 204
C10162 Bachelor of Science Bachelor of Business 209
C10163 Bachelor of Medical Science Bachelor of Business 214
C10164 Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies 215
C10167 Bachelor of Medical Science Bachelor of Arts in International Studies 216
C10169 Bachelor of Biotechnology Bachelor of Business 218
C10224 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies 235
C10243 Bachelor of Science Bachelor of Arts in International Studies 255
C10330 Bachelor of Science Bachelor of Creative Intelligence and Innovation 333

Postgraduate coursework courses

C04241 Master of Science 411
C06097 Graduate Diploma in Mathematics and Statistics for Business and Finance 446
C11210 Graduate Certificate in Mathematics 509
C11216 Graduate Certificate in Science 512

Postgraduate research courses

C02030 Doctor of Philosophy 528
C02031 Doctor of Philosophy 528
C03026 Master of Science in Mathematical Sciences (Research) 541
C03029 Master of Science (Research) 542

LIST OF COURSES BY FACULTY

Note: A numerical listing of all courses appears in the contents, see pages 5–9. An alphabetical listing of all courses appears in the index, see page 1137.

FACULTY OF ARTS AND SOCIAL SCIENCES

Undergraduate courses

C08002 Bachelor of Teaching in Secondary Education 521
C10206 Bachelor of Education in Primary Education 224
C10209 Bachelor of Arts in Educational Studies 228
C10246 Bachelor of Arts in Communication (Journalism) 264
C10247 Bachelor of Arts in Communication (Media Arts and Production) 265
C10248 Bachelor of Arts in Communication (Public Communication) 266
C10250 Bachelor of Arts in Communication (Social Inquiry) 268
C10251 Bachelor of Arts in Communication (Information and Media) 269
C10264 Bachelor of Global Studies 285
C10269 Bachelor of Sound and Music Design 288
C10311 Bachelor of Arts in Communication (Creative Writing) 307
C10314 Bachelor of Arts in Communication (Digital and Social Media) 311
C10317 Bachelor of Arts in Communication (Cultural Studies) . . . 314

Honours courses

C09009 Bachelor of Arts (Honours) in Communication 113

Combined courses

C10020 Bachelor of Business Bachelor of Arts in International Studies 130
C10021 Bachelor of Business Bachelor of Arts in International Studies 132
C10044 Bachelor of Management in Tourism Bachelor of Arts in International Studies 138
C10045 Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies 140
C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice 148
C10063 Bachelor of Engineering Bachelor of Arts in International Studies 150
C10123 Bachelor of Nursing Bachelor of Arts in International Studies 180
C10129 Bachelor of Laws Bachelor of Arts in International Studies 191
C10157 Bachelor of Mathematics and Finance Bachelor of Arts in International Studies 204
C10164 Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies 215
C10167 Bachelor of Medical Science Bachelor of Arts in International Studies 216
C10208 Bachelor of Education Bachelor of Arts in International Studies 226
C10215 Bachelor of Construction Project Management Bachelor of Arts in International Studies 229
C10224 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies 235
C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies 245
C10243 Bachelor of Science Bachelor of Arts in International Studies 255
C10252 Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies 271
C10253 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies 272
C10254 Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies 273
C10256 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies 275
C10257 Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies 276
C10258 Bachelor of Arts in Communication (Journalism) Bachelor of Laws 277
C10259 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws 279
C10260 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws 280
C10261 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws 281
C10263 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws 283
C10266 Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies 287
C10270 Bachelor of Sound and Music Design Bachelor of Arts in International Studies 289
C10272 Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies 292
C10274 Bachelor of Design in Animation Bachelor of Arts in International Studies 294
C10302 Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies 297
C10303 Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies 299
C10305 Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies 301
C10307 Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies 303
C10309 Bachelor of Design in Visual Communication Bachelor of Arts in International Studies 305
C10312 Bachelor of Arts in Communication (Creative Writing) Bachelor of Arts in International Studies 308
C10313 Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws 310
C10315 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Arts in International Studies 312
C10316 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws 313
C10318 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Arts in International Studies 315
C10319 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws 316
C10332 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation 338
C10333 Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation 340
C10334 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation 342
C10335 Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation 343
C10336 Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation 344
C10337 Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation 346

Postgraduate coursework courses

C04106 Master of Arts in Journalism 376
C04109 Master of Arts in Creative Writing 377
C04203 Master of Arts in Information and Knowledge Management 388
C04231 Master of Arts 398
C04232 Master of Education 400
C04244 Master of Arts in Non-fiction Writing 418

C04245 Master of Arts in Teaching English to Speakers of Other Languages . . . 419
C04248 Master of Media Arts and Production . . . 423
C04249 Master of Arts in Training and Human Resource Development . . . 424
C04254 Master of Arts in Communication Management . . . 429
C04262 Master of Arts in International Studies . . . 436
C06037 Graduate Diploma in Journalism . . . 441
C06041 Graduate Diploma in Creative Writing . . . 442
C06096 Graduate Diploma in Adult Literacy and Numeracy Teaching . . . 445
C06101 Graduate Diploma in Integrated Communication . . . 448
C06102 Graduate Diploma in Organisational Change and Communication . . . 450
C06103 Graduate Diploma in Public Relations . . . 451
C06105 Graduate Diploma in Communication Management . . . 452
C06106 Graduate Diploma in International Studies . . . 453
C07107 Graduate Diploma in Information Management . . . 468
C07118 Graduate Diploma in Teaching English to Speakers of Other Languages . . . 471
C07120 Graduate Diploma in Media Arts and Production . . . 473
C08002 Bachelor of Teaching in Secondary Education . . . 521
C11058 Graduate Certificate in Journalism . . . 489
C11066 Graduate Certificate in Screenwriting . . . 490
C11071 Graduate Certificate in Editing and Publishing . . . 490
C11220 Graduate Certificate in Adult Numeracy Teaching . . . 513
C11221 Graduate Certificate in Adult Education . . . 514
C11223 Graduate Certificate in Teaching English to Speakers of Other Languages . . . 515
C11227 Graduate Certificate in Media Arts and Production . . . 517
C11228 Graduate Certificate in Higher Education Teaching and Learning . . . 518

Postgraduate research courses

C02019 Doctor of Philosophy . . . 525
C02020 Doctor of Creative Arts . . . 525
C02039 Doctor of Philosophy . . . 529
C02041 Doctor of Philosophy . . . 530
C02050 Doctor of Education . . . 532
C02055 Doctor of Education . . . 536
C03018 Master of Arts in Humanities and Social Sciences (Research) . . . 539
C03034 Master of Arts in International Studies (Research) . . . 543
C03044 Master of Creative Arts (Research) . . . 543
C03047 Master of Education (Research) . . . 544

FACULTY OF BUSINESS

Undergraduate courses

C10026 Bachelor of Business . . . 132
C10027 Bachelor of Business . . . 135
C10039 Bachelor of Management in Events and Leisure . . . 136
C10040 Bachelor of Management in Tourism . . . 137
C10048 Bachelor of Management in Tourism and Hospitality . . . 141
C10226 Bachelor of Business . . . 238
C10235 Bachelor of Accounting . . . 244

Honours courses

C09004 Bachelor of Business (Honours) . . . 111
C09005 Bachelor of Management (Honours) in Events and Leisure . . . 112
C09007 Bachelor of Management (Honours) in Tourism . . . 112
C09062 Bachelor of Accounting (Honours) . . . 127

Combined courses

C10020 Bachelor of Business Bachelor of Arts in International Studies . . . 130
C10021 Bachelor of Business Bachelor of Arts in International Studies . . . 132
C10044 Bachelor of Management in Tourism Bachelor of Arts in International Studies . . . 138
C10045 Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies . . . 140
C10065 Bachelor of Engineering Bachelor of Business . . . 151
C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice . . . 160
C10125 Bachelor of Business Bachelor of Laws . . . 184
C10162 Bachelor of Science Bachelor of Business . . . 209
C10163 Bachelor of Medical Science Bachelor of Business . . . 214
C10169 Bachelor of Biotechnology Bachelor of Business . . . 218
C10219 Bachelor of Business Bachelor of Science in Information Technology . . . 231
C10326 Bachelor of Business Bachelor of Creative Intelligence and Innovation . . . 325

Courses offered in conjunction with others

C10155 Bachelor of Mathematics and Finance . . . 202

Postgraduate coursework courses

C04018 Master of Business Administration . . . 355
C04031 Executive Master of Business Administration . . . 357
C04037 Master of Business in Accounting Information Systems . . . 357
C04038 Master of Business in Accounting and Finance . . . 358
C04048 Master of Business in Finance . . . 359
C04052 Master of Quantitative Finance . . . 360
C04067 Master of Business in Marketing . . . 361
C04226 Master of Business in Operations and Supply Chain Management . . . 394
C04227 Master of Business in Human Resource Management . . . 395
C04229 Master of Business in Management . . . 397
C04237 Master of Professional Accounting Extended . . . 406
C04238 Master of Professional Accounting . . . 407
C04239 Master of Management . . . 408
C04258 Master of Business in Finance Extended . . . 433
C04259 Master of Business in Management Extended . . . 434
C04260 Master of Business in Human Resource Management Extended . . . 435
C04261 Master of Business in Marketing Extended . . . 435
C06009 Graduate Diploma in Business Administration . . . 439
C06017 Graduate Diploma in Event Management . . . 440
C07012 Graduate Diploma in Accounting and Finance . . . 456
C07018 Graduate Diploma in Management . . . 456
C07019 Graduate Diploma in Community and Not-for-Profit Management . . . 457
C07021 Graduate Diploma in Finance . . . 458
C07023 Graduate Diploma in Quantitative Finance . . . 458
C07027 Graduate Diploma in Tourism Management . . . 459
C07028 Graduate Diploma in Arts Management . . . 460
C07029 Graduate Diploma in Sport Management . . . 460
C07031 Graduate Diploma in Marketing . . . 461
C07112 Graduate Diploma in Operations and Supply Chain Management . . . 469
C07113 Graduate Diploma in Human Resource Management . . . 470
C11008 Graduate Certificate in Business Administration . . . 476
C11015 Graduate Certificate in Accounting and Finance . . . 477
C11017 Graduate Certificate in Accounting Information Systems . . . 477
C11021 Graduate Certificate in Management . . . 478
C11024 Graduate Certificate in Community and Not-for-Profit Management . . . 478
C11027 Graduate Certificate in Finance . . . 479
C11033 Graduate Certificate in Arts Management . . . 479
C11035 Graduate Certificate in Tourism Management . . . 480
C11037 Graduate Certificate in Sport Management . . . 480
C11038 Graduate Certificate in Event Management . . . 481

C11039 Graduate Certificate in Marketing 481
C11198 Graduate Certificate in Human Resource Management 504
C11199 Graduate Certificate in Operations and Supply Chain Management 505
C11206 Graduate Certificate in Professional Accounting 508
C11208 Graduate Certificate in Executive Business Administration 509

Courses offered in conjunction with others

C04094 Master of Engineering Management 366
C04102 Master of Engineering Management Master of Business Administration 375
C04250 Juris Doctor Master of Business Administration 425

Postgraduate research courses

C02048 Doctor of Philosophy 531
C03046 Master of Business (Research). 544

FACULTY OF DESIGN, ARCHITECTURE AND BUILDING

Undergraduate courses

C10004 Bachelor of Design in Architecture 129
C10214 Bachelor of Construction Project Management 228
C10265 Bachelor of Design in Photography and Situated Media . . 286
C10271 Bachelor of Design in Interior and Spatial Design 291
C10273 Bachelor of Design in Animation 293
C10304 Bachelor of Design in Integrated Product Design 301
C10306 Bachelor of Design in Fashion and Textiles. 303
C10308 Bachelor of Design in Visual Communication. 305
C10310 Bachelor of Property Economics 306

Honours courses

C09048 Bachelor of Design (Honours) in Architecture 120
C09052 Bachelor of Design (Honours) in Photography and Situated Media 122
C09055 Bachelor of Design (Honours) in Interior and Spatial Design. 123
C09056 Bachelor of Design (Honours) in Animation 124
C09059 Bachelor of Design (Honours) in Integrated Product Design. 126
C09060 Bachelor of Design (Honours) in Fashion and Textiles. . . . 126
C09061 Bachelor of Design (Honours) in Visual Communication 127
C09063 Bachelor of Property Economics (Honours) 128
C09064 Bachelor of Design (Honours) 129

Combined courses

C10215 Bachelor of Construction Project Management Bachelor of Arts in International Studies 229
C10266 Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies 287
C10272 Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies 292
C10274 Bachelor of Design in Animation Bachelor of Arts in International Studies 294
C10305 Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies 301
C10307 Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies. 303
C10309 Bachelor of Design in Visual Communication Bachelor of Arts in International Studies. 305
C10320 Bachelor of Property Economics Bachelor of Arts in International Studies 318
C10321 Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation 319
C10322 Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation 320
C10323 Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation 321
C10324 Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation 323
C10325 Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation 324
C10326 Bachelor of Business Bachelor of Creative Intelligence and Innovation. 325
C10327 Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation 327
C10328 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation 329
C10329 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation. 331
C10330 Bachelor of Science Bachelor of Creative Intelligence and Innovation 333
C10332 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation 338
C10333 Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation 340
C10334 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation 342
C10335 Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation 343
C10336 Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation . . 344
C10337 Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation 346
C10338 Bachelor of Laws Bachelor of Creative Intelligence and Innovation 347
C10339 Bachelor of Engineering Bachelor of Creative Intelligence and Innovation. 348

Postgraduate coursework courses

C04006 Master of Project Management 352
C04007 Master of Planning 353
C04008 Master of Property Development 354
C04235 Master of Architecture. 404
C04240 Master of Advanced Architecture 410
C04243 Master of Design 417
C04257 Master of Local Government 433
C04266 Master of Animation 437
C06006 Graduate Diploma in Property Development. 438
C06033 Graduate Diploma in Local Government Management . . . 440
C07002 Graduate Diploma in Planning 454
C07004 Graduate Diploma in Project Management. 455
C07115 Graduate Diploma in Architecture 470
C07119 Graduate Diploma in Design. 473
C11001 Graduate Certificate in Property and Planning 475
C11005 Graduate Certificate in Project Management 475
C11053 Graduate Certificate in Local Government Management 487
C11204 Graduate Certificate in Development Assessment. 507
C11212 Graduate Certificate in Architecture 511
C11215 Graduate Certificate in Local Government Leadership . . . 511
C11225 Graduate Certificate in Design 516
C11234 Graduate Certificate in Animation 520

Postgraduate research courses

C02001 Doctor of Philosophy 524
C02051 Doctor of Project Management. 532
C03001 Master of Architecture (Research) 537
C03002 Master of Built Environment (Research) 538
C03012 Master of Design (Research) 538

FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

Undergraduate courses

C10061 Bachelor of Engineering Diploma in Engineering Practice . . . 142
C10066 Bachelor of Engineering Science . . . 152
C10067 Bachelor of Engineering . . . 155
C10069 Bachelor of Engineering Science in Aerospace Operations . . . 162
C10143 Bachelor of Information Technology . . . 195
C10148 Bachelor of Science in Information Technology . . . 197
C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice . . . 199
C10229 Bachelor of Science in Games Development . . . 242
C20049 Diploma in Information Technology Professional Practice . . . 350

Honours courses

C09019 Bachelor of Science (Honours) in Information Technology . . . 114

Combined courses

C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice . . . 148
C10063 Bachelor of Engineering Bachelor of Arts in International Studies . . . 150
C10065 Bachelor of Engineering Bachelor of Business . . . 151
C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice . . . 160
C10073 Bachelor of Engineering Bachelor of Science . . . 162
C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice . . . 169
C10075 Bachelor of Engineering Bachelor of Medical Science . . . 170
C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice . . . 171
C10078 Bachelor of Engineering Bachelor of Biotechnology . . . 172
C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice . . . 174
C10136 Bachelor of Engineering Science Bachelor of Laws . . . 194
C10219 Bachelor of Business Bachelor of Science in Information Technology . . . 231
C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies . . . 245
C10245 Bachelor of Science in Information Technology Bachelor of Laws . . . 262
C10327 Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation . . . 327
C10339 Bachelor of Engineering Bachelor of Creative Intelligence and Innovation . . . 348

Postgraduate coursework courses

C04085 Master of Engineering Management . . . 361
C04090 Master of Engineering . . . 362
C04094 Master of Engineering Management . . . 366
C04097 Master of Engineering Studies . . . 367
C04098 Master of Environmental Engineering Management . . . 374
C04102 Master of Engineering Management Master of Business Administration . . . 375
C04157 Master of Information Technology . . . 384
C04158 Master of Interactive Multimedia . . . 385
C04160 Master of Science in Internetworking . . . 386
C04161 Master of Business in Information Technology Management . . . 387
C04207 Master of Engineering Studies Master of Engineering Management . . . 391
C04218 Master of Information Technology (Extended) . . . 391
C04224 Master of Science in Internetworking (Extended) . . . 393
C06058 Graduate Diploma in Information Technology . . . 443
C06060 Graduate Diploma in Information Technology Management . . . 444
C07078 Graduate Diploma in Interactive Multimedia . . . 466
C07080 Graduate Diploma in Internetworking . . . 467
C11048 Graduate Certificate in Engineering . . . 482
C11051 Graduate Certificate in Environmental Engineering Management . . . 486
C11054 Graduate Certificate in Engineering Management . . . 487
C11057 Graduate Certificate in Engineering Management . . . 488
C11138 Graduate Certificate in Information Technology Management . . . 498
C11142 Graduate Certificate in Information Technology . . . 499
C11143 Graduate Certificate in Interactive Multimedia . . . 500
C11145 Graduate Certificate in Internetworking . . . 500
C11190 Graduate Certificate in Strategic IT Leadership . . . 501
C11192 Graduate Certificate in Information Technology Project Management . . . 502

Postgraduate research courses

C02018 Doctor of Philosophy . . . 524
C02029 Doctor of Philosophy . . . 527
C02047 Doctor of Philosophy . . . 531
C03017 Master of Engineering (Research) . . . 539
C03025 Master of Science in Computing Sciences (Research) . . . 541
C03051 Master of Analytics (Research) . . . 547

GRADUATE SCHOOL OF HEALTH

Postgraduate coursework courses

C04252 Master of Pharmacy . . . 428
C06100 Graduate Diploma in Pharmaceutical Sciences . . . 448
C11230 Graduate Certificate in Pharmaceutical Sciences . . . 519

Postgraduate research courses

C02056 Doctor of Philosophy . . . 537
C03053 Master of Pharmacy (Research) . . . 548
C03054 Master of Pharmaceutical Sciences (Research) . . . 548

FACULTY OF HEALTH

Undergraduate courses

C10122 Bachelor of Nursing . . . 176
C10225 Bachelor of Midwifery . . . 236
C10300 Bachelor of Sport and Exercise Science . . . 295
C10301 Bachelor of Sport and Exercise Management . . . 297

Honours courses

C09018 Bachelor of Nursing (Honours) . . . 114
C09051 Bachelor of Midwifery (Honours) . . . 122
C09057 Bachelor of Sport and Exercise Science (Honours) . . . 124
C09058 Bachelor of Sport and Exercise Management (Honours) . . . 125

Combined courses

C10123 Bachelor of Nursing Bachelor of Arts in International Studies . . . 180
C10302 Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies . . . 297
C10303 Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies . . . 299
C10328 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation . . . 329
C10329 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation . . . 331

Postgraduate coursework courses

C04140 Master of Health Services Management . . . 378
C04228 Master of Nursing . . . 395
C04246 Master of Health Services Management and Planning . . . 420
C04247 Master of Midwifery . . . 422
C07044 Graduate Diploma in Nursing . . . 461
C07048 Graduate Diploma in Health Services Management . . . 462
C07070 Graduate Diploma in Midwifery . . . 464

C07121 Graduate Diploma in Midwifery Studies . . . 474
C11106 Graduate Certificate in Mental Health Nursing . . . 491
C11107 Graduate Certificate in Health Services Management . . . 492
C11109 Graduate Certificate in Clinical Management . . . 493
C11115 Graduate Certificate in Diabetes Education and Management . . . 493
C11116 Graduate Certificate in Perioperative Nursing . . . 494
C11117 Graduate Certificate in Anaesthetics and Recovery Room Nursing . . . 494
C11118 Graduate Certificate in Critical Care Nursing . . . 495
C11119 Graduate Certificate in Neuroscience Nursing . . . 496
C11194 Graduate Certificate in Children's Nursing . . . 502
C11195 Graduate Certificate in Clinical Teaching . . . 503
C11196 Graduate Certificate in Neonatal Nursing . . . 504
C11200 Graduate Certificate in Child and Family Health Nursing . . . 506
C11201 Graduate Certificate in Acute Care Nursing . . . 507
C11226 Graduate Certificate in Midwifery Studies . . . 517

Postgraduate research courses

C02024 Doctor of Philosophy . . . 526
C02052 Doctor of Nursing . . . 534
C02053 Doctor of Midwifery . . . 534
C02054 Doctor of Health Services . . . 535
C03048 Master of Nursing (Research) . . . 545
C03049 Master of Midwifery (Research) . . . 545
C03050 Master of Health Services (Research) . . . 546
C03052 Master of Sport and Exercise (Research) . . . 547

FACULTY OF LAW

Undergraduate courses

C10124 Bachelor of Laws . . . 182

Combined courses

C10125 Bachelor of Business Bachelor of Laws . . . 184
C10126 Bachelor of Science Bachelor of Laws . . . 185
C10129 Bachelor of Laws Bachelor of Arts in International Studies . . . 191
C10131 Bachelor of Medical Science Bachelor of Laws . . . 192
C10136 Bachelor of Engineering Science Bachelor of Laws . . . 194
C10245 Bachelor of Science in Information Technology Bachelor of Laws . . . 262
C10258 Bachelor of Arts in Communication (Journalism) Bachelor of Laws . . . 277
C10259 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws . . . 279
C10260 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws . . . 280
C10261 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws . . . 281
C10263 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws . . . 283
C10313 Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws . . . 310
C10316 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws . . . 313
C10319 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws . . . 316
C10338 Bachelor of Laws Bachelor of Creative Intelligence and Innovation . . . 347

Postgraduate coursework courses

C04143 Master of Laws . . . 382
C04145 Master of Dispute Resolution . . . 382
C04147 Master of Legal Studies . . . 383
C04236 Juris Doctor . . . 405
C04242 Master of Communications Law . . . 416
C04250 Juris Doctor Master of Business Administration . . . 425
C04251 Master of Intellectual Property . . . 427
C06099 Graduate Diploma in Intellectual Property . . . 447
C07073 Graduate Diploma in Australian Law . . . 464
C07074 Graduate Diploma in Legal Studies . . . 465
C11125 Graduate Certificate in Dispute Resolution . . . 497
C11130 Graduate Certificate in Trade Mark Law and Practice . . . 497
C11211 Graduate Certificate in Australian Law . . . 510
C11217 Graduate Certificate in Communications Law . . . 513
C11229 Graduate Certificate in Intellectual Property . . . 518
C11232 Graduate Certificate in Professional Legal Practice . . . 519

Postgraduate research courses

C02028 Doctor of Philosophy . . . 526
C03024 Master of Laws (Research) . . . 540

FACULTY OF SCIENCE

Undergraduate courses

C10115 Bachelor of Biomedical Science . . . 175
C10155 Bachelor of Mathematics and Finance . . . 202
C10158 Bachelor of Mathematics and Computing . . . 205
C10172 Bachelor of Biotechnology . . . 219
C10174 Bachelor of Forensic Biology in Biomedical Science . . . 220
C10184 Bachelor of Medical Science . . . 222
C10186 Bachelor of Health Science in Traditional Chinese Medicine . . . 223
C10223 Bachelor of Environmental Biology . . . 234
C10227 Bachelor of Environmental Forensics . . . 239
C10228 Bachelor of Marine Biology . . . 240
C10242 Bachelor of Science . . . 248
C10244 Bachelor of Forensic Science in Applied Chemistry . . . 261

Honours courses

C09020 Bachelor of Science (Honours) in Mathematics . . . 115
C09021 Bachelor of Mathematics and Finance (Honours) . . . 116
C09022 Bachelor of Biotechnology (Honours) . . . 116
C09023 Bachelor of Science (Honours) in Biomedical Science . . . 117
C09026 Bachelor of Science (Honours) in Applied Chemistry . . . 117
C09029 Bachelor of Science (Honours) in Environmental Science . . . 118
C09031 Bachelor of Medical Science (Honours) . . . 118
C09035 Bachelor of Science (Honours) in Applied Physics . . . 119
C09046 Bachelor of Science (Honours) in Nanotechnology . . . 120
C09050 Bachelor of Forensic Science (Honours) in Applied Chemistry . . . 121

Combined courses

C10073 Bachelor of Engineering Bachelor of Science . . . 162
C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice . . . 169
C10075 Bachelor of Engineering Bachelor of Medical Science . . . 170
C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice . . . 171
C10078 Bachelor of Engineering Bachelor of Biotechnology . . . 172
C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice . . . 174
C10126 Bachelor of Science Bachelor of Laws . . . 185
C10131 Bachelor of Medical Science Bachelor of Laws . . . 192
C10157 Bachelor of Mathematics and Finance Bachelor of Arts in International Studies . . . 204
C10162 Bachelor of Science Bachelor of Business . . . 209
C10163 Bachelor of Medical Science Bachelor of Business . . . 214
C10164 Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies . . . 215
C10167 Bachelor of Medical Science Bachelor of Arts in International Studies . . . 216
C10169 Bachelor of Biotechnology Bachelor of Business . . . 218
C10224 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies . . . 235

C10243 Bachelor of Science Bachelor of Arts in International Studies 255
C10330 Bachelor of Science Bachelor of Creative Intelligence and Innovation 333

Postgraduate coursework courses

C04241 Master of Science 411
C06097 Graduate Diploma in Mathematics and Statistics for Business and Finance 446
C11210 Graduate Certificate in Mathematics 509
C11216 Graduate Certificate in Science 512

Postgraduate research courses

C02030 Doctor of Philosophy 528
C02031 Doctor of Philosophy 528
C03026 Master of Science in Mathematical Sciences (Research) 541
C03029 Master of Science (Research) 542

STUDYING AT UTS

INTRODUCTION TO UTS

The University of Technology, Sydney is a multi-campus university spread over two locations in the Sydney metropolitan area. With a total enrolment of approximately 30,000 students, UTS is one of the largest universities in Australia.

UTS was originally established as the New South Wales Institute of Technology in 1964. In 1988 it attained university status and was joined by the School of Design of the Sydney College of the Arts. The University resulted from amalgamations brought about by the restructuring of the higher education sector in the late 1980s, and in January 1990 the Kuring-gai College of Advanced Education, the Institute of Technical and Adult Teacher Education of the Sydney College of Advanced Education and the 'old' UTS formed the new University of Technology, Sydney.

UTS places a strong emphasis on workplace experience and develops and regularly revises its programs of study in partnership with industry, government and professional bodies. It has one of the highest rates of employment for graduates in New South Wales.

The University is fully committed to internationalisation in all aspects of its operations and encourages students to gain international exposure and experience as part of their degree. Many of UTS's students undertake some study overseas as part of their degree program.

The University's curriculum and ways of teaching and learning equip UTS graduates for international careers and prepare them to live and work in a world of social and cultural diversity.

FACULTIES

In 2014 UTS offers undergraduate and postgraduate coursework and research degrees through the following eight faculties and schools:

- Arts and Social Sciences
- Business School
- Design, Architecture and Building
- Engineering and Information Technology
- Graduate School of Health
- Health
- Law
- Science.

Each of the faculties and schools is responsible for programs across a number of key disciplines, and all faculties offer courses in conjunction with other faculties.

Course areas

Courses at UTS are offered in the following 12 course areas:

- UTS: Business (see page 50)
- UTS: Communication (see page 54)
- UTS: Creative Intelligence and Innovation (see page 58)
- UTS: Design, Architecture and Building (see page 59)
- UTS: Education (see page 62)
- UTS: Engineering (see page 64)
- UTS: Health (see page 74)
- UTS: Information Technology (see page 84)
- UTS: International Studies (see page 90)
- UTS: Law (see page 96)
- UTS: Pharmacy (see page 104)
- UTS: Science (see page 105).

FINDING YOUR WAY AROUND

UTS uses a four-character code to identify its campuses and buildings. This building identification system comprises two letters describing a geographic location (the campus) and two numerals indicating a building number. The floor number and room number may follow.

For example, City campus, Broadway, Building 1, level 26, room 30 is identified as CB01.26.30.

The geographic location codes are:

CB – City campus, Broadway

CC – City campus, Blackfriars, Chippendale

CM – City campus, Haymarket

CQ – City campus, 10 Quay Street, Haymarket

KG – Kuring-gai campus

UTS campus maps are available at:

www.uts.edu.au/about/maps-and-facilities/campus-maps-and-facilities

STUDENT INQUIRIES

UTS Student Centres

UTS Student Centre staff provide general student administration information and advice, as well as course area specific administration services for UTS students and staff. Services provided by the UTS Student Centres include:

- subject and course information
- enrolment inquiries
- study plan inquiries
- class allocation inquiries
- credit recognition and subject substitution applications
- e-requests and Ask UTS inquiries
- leave of absence and concurrent study applications
- exam-related and academic progress applications
- progression and academic caution matters
- graduation list preparation.

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222 (international)

fax +61 2 9514 1200

Ask UTS www.ask.uts.edu.au

www.sau.uts.edu.au

City campus

Communication; Engineering; International Studies

Building 1 Student Centre

CB01.4 – Building 1, level 4 (foyer)

15 Broadway, Ultimo

Design, Architecture and Building; Science; Pharmacy

Building 6 Student Centre

CB06.4 – Building 6, level 4

702-730 Harris St, Ultimo

Education; Information Technology; Health

Building 10 Student Centre

CB10.2 – Building 10, level 2 (foyer)

235 Jones St, Ultimo

Business; Law (undergraduate)

Haymarket Student Centre

CM05C.1 – Building 5, block C, level 1

cnr Quay St and Ultimo Rd, Haymarket

Business; Law (postgraduate)

Haymarket Student Centre

CM05B.5 – Building 5, block B, level 5

cnr Quay St and Ultimo Rd, Haymarket

Kuring-gai campus

Kuring-gai Student Centre
KG01.5 – Building 1, level 5 (foyer)
Eton Road, Lindfield

Opening hours

UTS Student Centre opening hours are available at:
www.sau.uts.edu.au/contact

Postal address

UTS Student Centre
University of Technology, Sydney
PO Box 123
Broadway NSW 2007

UTS International

CB01.3A – Building 1, level 3A
15 Broadway, Ultimo
www.uts.edu.au/international
CRICOS provider code 00099F
Further information is available from the following.

Future students

telephone 1800 774 816 (freecall within Australia)
or +61 3 9627 4816 (from outside Australia)
fax +61 2 9514 1530
email international@uts.edu.au

Commencing students

telephone +61 2 9514 1531
email international.apps@uts.edu.au

Current students

telephone +61 2 9514 1796 or +61 2 9514 9914
email internationalstudent@uts.edu.au

Study abroad and exchange

email studyabroad.exchange@uts.edu.au

Postgraduate research

The UTS: Graduate Research School promotes innovation and excellence in research education and researcher development across the University. The school provides a range of services to support and develop research students, supervisors and early career researchers including research education programs, policy development, advice and guidance, and scholarships.

UTS: Graduate Research School
CB01.7 – Building 1, level 7
15 Broadway, Ultimo
telephone +61 2 9514 1336
email grs@uts.edu.au
www.gradschool.uts.edu.au

UTS COMMUNICATION WITH STUDENTS

My Student Admin

All enrolled students have access to My Student Admin which enables them to update their address, contact details and current enrolment details; print copies of their fees invoice; and access results, class timetables, exam timetables and graduation information. Students must maintain their current address and contact telephone details in My Student Admin.

https://onestopadmin.uts.edu.au

Academic transcripts, statements of course completion and statements of enrolment can be requested at:

www.sau.uts.edu.au/forms

UTS email

It is essential that all students activate their UTS email accounts and check for official University information on a regular basis. Important messages may also be sent by SMS.

All enrolled students are issued with a UTS email account that is used as the primary form of official communication from the University. Further information and advice on account activation is available at:

www.sau.uts.edu.au/managing/webmail

The Student Administration Unit contacts students regularly via UTS webmail about course administration matters and via broadcast emails to keep students up to date and informed about what's happening at UTS.

Students are expected to check their official UTS email account at least twice a week.

Due to privacy requirements, the Student Administration Unit is unable to answer specific student inquiries via email without verifying the student's identity first. In order to verify a student's identity and then provide relevant information, student's are required to enter inquiries via the My Student Portal inquiry system at:

https://mystudent.uts.edu.au

The UTS email policy and guidelines that outline appropriate use and access of UTS email accounts are available at:

www.gsu.uts.edu.au/policies/emailpolicy

Ask UTS and UTS Service Desk

Ask UTS and the UTS Service Desk are the help desks for the University.

- Ask UTS is the first point of contact for lodging written inquiries in relation to student administration (www.ask.uts.edu.au).
- UTS Service Desk is the first point of contact for lodging written inquiries in relation to IT support (https://servicedesk.uts.edu.au).

Other sources of information

- UTS Facebook: www.facebook.com/UTSEngage
- SAU online via twitter: Follow @UTSStudentInfo on Twitter for UTS Student Admin news and reminders about important dates
- UTS: Noticeboard: Official notices of the University including rule changes, elections, minutes of UTS Council, minutes of the UTS Academic Board, etc., are available at: www.uts.edu.au/current-students

STUDENT IDENTITY CARDS

All enrolled students must have a UTS student identity (ID) card. Students are issued with an ID card as part of the enrolment process. This card is only valid while enrolled at UTS. The ID card must be carried at all times while on University premises and may be required to be produced on demand by an employee of the University. A travel concession logo is attached to the card for eligible students.

The student ID card must be presented when borrowing books from the University library, when accessing the computer labs and when sitting examinations or class tests. It is also used to pay other services and fees. If the card is lost, a fee may be levied for its replacement.

Further information about ID cards and travel concessions is available at:

www.sau.uts.edu.au/student/id

APPLICATION AND ADMISSION

The UTS Admissions Policy is available at:

www.gsu.uts.edu.au/policies/admissionspolicy

Section 5 of the Student and Related Rules outlines admission requirements.

www.gsu.uts.edu.au/rules/5-index

Domestic students

UAC applications

Applications from Australian citizens, New Zealand citizens and permanent visa holders for most undergraduate courses and postgraduate coursework courses are made through the Universities Admissions Centre (UAC) except applications for postgraduate coursework programs in business which are made online through the UTS Business School:

www.business.uts.edu.au/pg/apply

Application details are available from UAC:

www.uac.edu.au

Details on courses offered by UTS are available in this handbook.

For undergraduate courses starting at the beginning of the year, students are required to lodge an online UAC application between August and December of the preceding year. For postgraduate courses, applications are lodged between September and January. Applications for mid-year admissions open in August (for undergraduate) and September (for postgraduate) of the preceding year. Some courses have earlier closing dates and students should check with UAC for details. Applicants need to indicate the date on which they wish to start the course on their online UAC application.

UAC codes differ for postgraduate courses depending on the semester of intake. The most up-to-date code is available from UAC.

Direct applications

Application information for UTS Business School postgraduate courses, where applications are accepted directly by UTS, is available at:

www.business.uts.edu.au/pg

Information about and application forms for admission to higher degree research programs are available from the UTS: Graduate Research School:

www.gradschool.uts.edu.au

International students

International student applications for undergraduate and postgraduate courses can be made directly to UTS International or through one of the University's registered agents. For courses starting at the beginning of the year, applications should be received by 30 September of the preceding year for postgraduate research courses and 15 December of the preceding year for coursework studies. For courses starting in the middle of the year, applications should be received by 30 March of that year for postgraduate research courses and 15 June of that year for coursework studies. Information about courses and application procedures is available at:

www.uts.edu.au/international

International students undertaking an Australian HSC prior to the year of commencement of university studies must apply through UAC:

www.uac.edu.au/international

Non-award and cross-institutional study

Students who want to enrol in subjects at UTS, but not as part of a UTS degree or qualification, must apply for non-award or cross-institutional study. There are three application periods and closing dates vary for each teaching period. Further information is available from the UTS Student Centres and at:

www.sau.uts.edu.au/applying/non-award

Students who are temporary residents or hold student visas should contact UTS International for advice on their eligibility.

www.uts.edu.au/international

English proficiency

An application for admission is not considered until proficiency in English has been demonstrated. Details of the language standards required for admission to UTS are available at:

www.uts.edu.au/future-students/international/essential-information/english-language-requirements

If suitable evidence of English proficiency is not forwarded with the application for admission, students are requested to complete an English proficiency test. UTS uses the International English Language Testing System (IELTS). The IELTS test is available in Australia in all capital cities and many regional centres.

Further information is available from the UTS IELTS Centre:

City campus, Broadway

CB02.5.30M – Building 2, level 5, room 30M

15 Broadway, Ultimo

telephone +61 2 9514 1536 (leave a message if necessary)

fax +61 2 9514 1824

email ielts@uts.edu.au

http://international.uts.edu.au/ielts

CRICOS provider code 00099F

ENROLMENT

Following admission, students are required to identify the set of subjects from their study plan (see page 30) that will constitute their enrolment each year. They must also select a teaching period and a location from those that are on offer for each subject.

Correct enrolment in subjects is the responsibility of the student. For subjects being studied in Australia, enrolment is undertaken using My Student Admin (see page 23). Enrolling into subjects for credit conducted outside the University is a paper-based process. For further information see:

- Concurrent study: www.sau.uts.edu.au/enrolment/concurrent
- International exchange: www.ssu.uts.edu.au/globalexchange

In addition to formally enrolling in each subject, it is necessary to register in activities (e.g. classes, lectures, tutorials, seminars).

See the timetable at:

http://timetable.uts.edu.au

Continuing students are required to enrol for the coming year during the published re-enrolment period from late October to early January otherwise a late enrolment fee of $250 will apply. To avoid the late enrolment fee, students should enrol in at least one subject. Further information is available at:

www.sau.uts.edu.au/enrolment/continuing

Additions and deletions can be made to an enrolment using My Student Admin within a tightly defined time period limited by the last day to add a subject (refer to principal dates (see page 41) for details). The last day to withdraw from a subject is the teaching period census date (see page 25).

Failure to notify the University of withdrawal from a subject before the teaching period census date in a program can result in subject failure and incurs financial liability.

Students should be aware that it is their responsibility to regularly check My Student Admin to ensure that:

- their personal details, postal address and contact telephone numbers are correct, and the University is informed of any changes as they occur
- their enrolment details are correct
- they are registered into activities (classes, etc.)
- their subject enrolment is consistent with the completion rules of the course.

Enrolment information is available at:

www.sau.uts.edu.au/enrolment

Information on leave of absence, withdrawal from a subject or entire course, and key dates, is available from the Student Administration Unit at:

www.sau.uts.edu.au

CENSUS DATES

The University is required to set a census date for each subject it offers.

The census date is:

- the date students become financially liable for any subjects in which they are enrolled
- the final day students can withdraw from a subject without financial liability and academic penalty
- the date students incur a HELP debt for any units for which they have taken out a HELP loan
- the final day Commonwealth-supported students and students requesting Commonwealth assistance can submit appropriate Commonwealth assistance forms and provide their tax file number if they wish to defer their tuition fees
- the final day the University is allowed to accept upfront payments of Commonwealth-supported place student contributions (earlier deadlines for payment may apply).

Further information is available from the Student Administration Unit:

www.sau.uts.edu.au/dates/census

Census dates for research degree students are later in the year for Autumn and Spring semesters due to the flexible start dates for research students. Full financial and load liability applies after the census dates. Further information is available from the UTS: Graduate Research School:

www.gradschool.uts.edu.au

ACADEMIC PROGRESSION

All students are expected to meet minimum academic progression requirements. Students must pass 50 per cent of the credit points in which they are enrolled each half year. If this requirement is not met, students are placed on academic caution. During a period of academic caution, usually one half year, a student must consult with the designated academic course advisers from the relevant faculty for advice on their study plan; attend a study skills workshop program organised by the Student Services Unit; and enrol in no more than 24 credit points for the half year of study to which the period of academic caution applies.

Further information about academic caution is available at:

www.sau.uts.edu.au/academic/caution.html

After a period of academic caution, undergraduate students who do not maintain the required minimum level of progress may be excluded from a course. The minimum rate of progress for undergraduate students is achievement of 50 per cent of the credit points for which they have been enrolled in since the beginning of that course. Requirements for postgraduate coursework students are set out in the relevant course area (see pages 50–110) postgraduate information section in this handbook or within specific course information. A faculty board may also discontinue a student's registration in a course if the board is dissatisfied with the student's progress.

Students are required to complete course requirements within the maximum time limit from the time of first enrolment. Maximum time to complete a course is not greater than fifty (50) per cent in excess of normal completion time for that course. Failure to complete a course within maximum time requirements may lead to permanent exclusion from the course.

Further information about academic progression, including appeal procedures, is available at:

www.sau.uts.edu.au/academic/progress.html

Postgraduate research candidature may be discontinued for an unsatisfactory progress report outcome, unsatisfactory candidature assessment, or failure to complete in the maximum time.

Further information is available from the UTS: Graduate Research School at:

www.gradschool.uts.edu.au/policies-rules

EXAMINATIONS AND RESULTS

Student results can be accessed via My Student Admin (see page 23) when released at the end of each teaching period:

https://onestopadmin.uts.edu.au

Information about examination timetables, conduct in examinations, appeals, and special consideration is available at:

www.sau.uts.edu.au/assessment

Students are required to be aware of the specific requirements of examination attendance and conduct, as published in section 9 of the Student and Related Rules:

www.gsu.uts.edu.au/rules/9-index.html

Information on procedures followed in cases of suspected misconduct in an examination is also available in the rules:

www.gsu.uts.edu.au/rules/9-8.html

The UTS policy and procedures on the Assessment of Coursework Subjects are available at:

www.gsu.uts.edu.au/policies/assessment-coursework.html

Grades and grade point average

Students studying coursework programs receive a grade for each subject completed. The schedule of grade descriptions is available in schedule 3 of the Student and Related Rules at:

www.gsu.uts.edu.au/rules/s3.html

In most situations, students also receive a progressive grade point average (GPA) indicating their overall performance in a course.

A GPA is a progressive measure of academic achievement over the duration of enrolment in a course. It provides an overall view of a student's performance in a course and is an internationally recognised measure of student performance.

The GPA is based on the subject grade and credit points and is calculated using a preset weighting for each grade for all courses commenced from Autumn semester 2003. (GPA is only applicable to coursework awards, not research degrees.) In most cases, the GPA is calculated automatically at the end of each semester. The GPA is included on academic records.

Further information on GPAs is available at:

www.sau.uts.edu.au/assessment/results/gpa

COURSE COMPLETION AND GRADUATION

Eligibility to graduate

Students need to have satisfied all course requirements in order to graduate and receive an academic award from the University as outlined in sections 12 and 13 of the UTS Student and Related Rules. All matters, such as return of library books, must have been settled.

In addition, a student will not be eligible to graduate if they are involved in any student misconduct or appeals proceedings as outlined in section 16 of the rules.

When enrolling in their final year or semester, students need to ensure their program of study will satisfy requirements in accordance with the required timeframe so as not to delay their graduation.

Graduation

To graduate in Autumn 2014 students must ensure the following:

- payment of outstanding fees and financial obligations owed to UTS by 7 March 2014
- return of all University library books, materials and equipment by 7 March 2014
- application for change or correction of formal name submitted by 7 March 2014
- all outstanding results and credit recognition resolved by 10 March 2014
- correct formal name and status of 'passed' reflected on My Student Admin by 12 March 2014.

To graduate in Spring 2014 students must ensure the following:

- payment of outstanding fees and financial obligations owed to UTS by 1 August 2014
- return of all University library books, materials and equipment by 1 August 2014
- application for change or correction of formal name submitted by 1 August 2014
- all outstanding results and credit recognition resolved by 11 August 2014
- correct formal name and status of 'passed' reflected on My Student Admin by 13 August 2014.

Students need to ensure they are aware of the essential graduation information, ceremony schedule and registration timelines that the University communicates to graduands via their UTS email account or other contact details provided in My Student Admin. Failure to update contact details or read notifications are not accepted as reasons for being unaware of matters so notified (see rule 2.3).

As the graduation ceremonies have limited capacity, students who have not undertaken the necessary actions by the required deadlines, as outlined in the graduation communications and on the graduation website, may not graduate and may not be able to attend a ceremony with their cohort. This may result in deferral to the next ceremony period.

If students have any questions about their eligibility to graduate, course requirements, level of award, graduation registration or any other matters, they should contact a UTS Student Centre:

telephone 1300 ask UTS (1300 275 887)

Ask UTS www.ask.uts.edu.au

Further key information is also provided at:

- Graduation: www.ask.uts.edu.au
- My Student Admin: https://onestopadmin.uts.edu.au

PRIZES AND AWARDS

Prizes are awarded each year to students in the University for meritorious work. These are made available through the generosity of private individuals and public organisations. They are offered each semester, annually or biennially. In rare instances, a prize is offered only when funds permit. Most prizes are offered subject to the provision that they are awarded only when a student has attained a mark or level of achievement considered by the faculty board concerned to be sufficiently high.

In addition to official University prizes and awards, a number of prizes are available from external sources.

A searchable database of prizes and awards is available at:

http://cfsites1.uts.edu.au/find/study/scholarships/prizes

The University's policy and procedures for the administration of prizes are available at:

www.gsu.uts.edu.au/policies/scholarships-prizes

The University's guidelines for the acceptance and establishment of new prizes are available at:

www.gsu.uts.edu.au/policies/scholarships-prizes

www.gsu.uts.edu.au/policies/fundraising

University medal

A University medal may be awarded to a graduating student who has demonstrated exceptional merit.

Further information on the University medal is available in rule 13.8 of the Student and Related Rules.

The guidelines for the award of UTS medals are available at:

www.gsu.uts.edu.au/policies/utsmedalguide.html

GLOBAL EXCHANGE

UTS provides a range of opportunities for students to enhance their international capabilities, expand their career and personal goals, and develop an international perspective by participating in global exchange.

UTS has exchange partnerships with over 200 universities in 36 countries and territories. This includes opportunities to study in English in Austria, Belgium, Brazil, China, Colombia, Denmark, Finland, France, Germany, Hong Kong, Hungary, Italy, Japan, Malaysia, Mexico, the Netherlands, New Caledonia, Portugal, the Philippines, Singapore, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand as well as the more traditional destinations such as Canada, the UK and the USA.

Global exchange is an excellent opportunity to undertake a semester or two of study overseas at a UTS partner university and receive credit toward a UTS degree. UTS aims to create global citizens and encourages students to participate in the Global Exchange Program to develop skills and experiences which will increase their employability.

Global exchange information sessions are conducted each semester and attendance at the session is a preliminary requirement of the application process. More information and registration for an information session are available at:

www.ssu.uts.edu.au/globalexchange

A complete list of partner universities is available at:

https://uts.moveonnet.eu/moveonline/exchanges/search.php

UTS provides scholarships each semester to support student participation in the global exchange program:

www.ssu.uts.edu.au/globalexchange/scholarships

The OS-HELP loan scheme is run by the federal government and provides funding for eligible students of up to $6051 per semester (based on 2013 figures) for up to two semesters of overseas study:

www.ssu.uts.edu.au/globalexchange/grants/oshelp

STUDENT LEADERSHIP PROGRAMS

Beyond UTS International Leadership Development (BUiLD) program

Beyond UTS International Leadership Development (BUiLD) is an exciting and dynamic leadership, global citizenship and social development program focusing on global awareness, connectedness and social justice issues. BUiLD participants are able to engage with an extensive suite of experiential learning opportunities locally and internationally including leadership development and social awareness workshops, volunteering, community engagement and networking opportunities, short-term international programs, study tours and internships.

More information and online registration are available at:

www.ssu.uts.edu.au/beyonduts

Shopfront

UTS: Shopfront is a fully integrated community engagement program that is embedded in existing teaching loads and academic research activities across the University. Academically rigorous projects are initiated by the community and undertaken by students through subjects supervised by academics. Projects can range from large, multi-disciplinary undertakings involving several subjects over a number of semesters to small projects that might involve one or two students. Since 1996, 800 community-initiated and student-run projects have been completed.

Students undertaking projects with community organisations as a component of their coursework are able to demonstrate key leadership qualities such as decision-making, teamwork, communication, interpersonal skills, facilitation and negotiation.

More information is available at:

www.shopfront.uts.edu.au

SOUL Award

UTS: SOUL Award develops social responsiveness and leadership skills by connecting students to the local community and encouraging volunteering and participation.

SOUL is open to all students (undergraduate and postgraduate) and supports them to venture beyond their degree and into the community, applying the skills and knowledge learnt at UTS to the real world, developing leadership skills and building networks along the way.

Through SOUL students receive leadership training and development, enhanced communication and teamwork skills, and hands-on work experience with community partners.

More information and online registration are available at:

www.soul.uts.edu.au

www.shopfront.uts.edu.au/soulaward

Peer Network

Peer Network is a group of volunteers made up of local and international students from both UTS campuses. They are an energetic, outgoing team involved in all aspects of the university, and their aim is to make life for new students relaxed and easy.

Since the network was founded in 1998, the number of current participants has grown to over 400 students. At the beginning of every semester, Peer Networkers volunteer their time to assist new students through the UTS Orientation Program. This involves leading campus tours, staffing the orientation help desk and coffee cart, mingling at official welcomes, answering questions from new students, serving food at BBQs, and more. Peer Networkers are also involved in various other student engagement events throughout the semester including the In-Fusion Festival, sports days, the Network Cafe program and the Week 5 BBQ.

More information is available at:

www.ssu.uts.edu.au/peernetwork

Brennan Justice and Leadership program

The Brennan program is a voluntary program for UTS law students that seeks to strengthen the justice consciousness, idealism and sense of service that they bring to their studies and later professional work. Introduced in 2011, it is a joint initiative of the UTS Faculty of Law and the UTS Law Students' Society.

The program provides opportunities for students to develop their leadership potential and take part in a range of lectures, discussion groups and voluntary activities. Joining the program gives students the ability to go beyond the academic curriculum of their degree.

More information and online registration are available at:

www.law.uts.edu.au/brennan

Accomplish Award

UTS Accomplish Award is a program aimed at improving the employability of UTS students during their penultimate year. During this year, the program focuses on building transferable skills which employers have identified as being crucial to success in the recruitment process. Students also have the opportunity to hear directly from employers during the workshops, allowing them insight into many different industries.

Students must also complete 100 hours of work experience over the year, allowing them to put into practice what they have learnt in the Accomplish workshops.

The final component of the program sees students participate in a mock interviews with employers and alumni, allowing them to use their acquired skills to impress recruiters from their chosen industries.

Successful students receive the Accomplish Award, signed by the Deputy Vice-Chancellor.

More information is available at:

www.ssu.uts.edu.au/careers/jobsearch/accomplish

STUDYING AT UTS:INSEARCH

UTS:INSEARCH is the premium pathway provider to UTS and an important part of the UTS community. With over 20 years' experience in teaching students, UTS:INSEARCH not only propels students into UTS, but also provides them with the skills needed to succeed once they get there.

UTS:INSEARCH offers a range of leading academic and general English programs, higher education diplomas and, on behalf of UTS, UTS Foundation Studies.

The pathways offered cover the following areas:

- English programs
- business
- communication
- design and architecture
- engineering
- information technology
- nursing and health sciences
- science.

Why choose UTS:INSEARCH?

The courses offered are taught by industry-experienced teaching staff, designed in consultation with UTS faculties and approved by the UTS Academic Board. UTS:INSEARCH's special relationship with UTS also means that students benefit from UTS's academic standards, student activities and reputation for excellence. Students also have access to UTS facilities, which enables them to experience university life while studying at UTS:INSEARCH.

UTS:INSEARCH diploma graduates have the opportunity to fast-track into the second year of a UTS undergraduate degree (dependent on successful completion of their diploma and which course they choose). Small class sizes, ongoing academic support and quality programs prepare students to succeed at university. For more information visit the UTS:INSEARCH website.

UTS:INSEARCH Student Centre

Ground floor, 187 Thomas St, Haymarket, Sydney

telephone 1800 896 994 (within Australia)

or +61 3 8676 7001 (outside Australia)

fax +61 2 9218 8666

email courses@insearch.edu.au

www.insearch.edu.au

INSEARCH CRICOS provider code 00859D

UTS CRICOS provider code 00099F

LEGISLATION, RULES AND POLICIES

UTS rules and policies

The rules and policies of the University have been written to provide advice on the responsibilities of students to their studies and to the rights of students and staff. Students should read and be familiar with the rules and policies of the University.

www.uts.edu.au/about-uts/uts-governance/about

UTS Student Charter

The UTS Student Charter recognises that students and staff have rights and responsibilities to each other and to the University community.

Students should read and be familiar with the UTS Student Charter.

www.gsu.uts.edu.au/policies/studentcharter.html

Student complaints

The University is committed to providing a learning and working environment in which complaints are responded to promptly and with minimum distress and maximum protection to all parties. All students and staff have a responsibility to contribute to the achievement of a productive, safe and equitable study and work environment at UTS.

The policy on handling student complaints outlines what a complaint is and contains information about how to make a complaint.

Right to information and privacy

An individual can request access to information held by UTS under the *Government Information (Public Access) Act 2009* (NSW). If the information requested cannot be accessed online or through an informal application, an access application needs to be lodged with the right to information coordinator.

An individual may request access to their personal information under the *Privacy and Personal Information Protection Act 1998* (NSW) or, where the information relates to health, under the *Health Records and Information Privacy Act 2002* (NSW). In addition to the requirements of these acts, UTS has a number of policies that govern access to, and the collection, use, storage and disclosure of, personal information.

Further information on right to information is available at:

www.gsu.uts.edu.au/gipa

Further information on privacy is available at:

www.gsu.uts.edu.au/privacy

NSW child protection legislation

Prohibited employment declaration and screening

The NSW Commission for Children and Young People have issued a new Working with Children Check.

Obtaining a Working with Children Check is the responsibility of the student. Individuals applying to work with children are required to apply to the Commission for Children and Young People for a clearance. The process involves either completing the application form online or downloading it from the Commission's website and lodging it at a NSW RTA office:

https://wwccheck.ccyp.nsw.gov.au/Applicants/Application#

Volunteer/Student Declaration (Commission for Children and Young People Act 1998)

Under NSW law any person who has been convicted of a serious sex offence, the murder of a child or a child-related personal violence offence or who is a registrable person under the *Child Protection (Offenders Registration) Act 2000* is prohibited from working in child-related employment. Prior to commencing each professional experience or clinical placement, students are required to complete a Volunteer/Student Declaration.

Education Students Declaration for Working with Children Clearance

All students who participate in professional experience subjects, or internship or associate teacher programs, where work involves direct contact with children under 18, are required to obtain a Working with Children Clearance from the NSW Children's Guardian. Once the clearance is received it is valid for five years unless it is cancelled by the NSW Children's Guardian or surrendered by the student sooner.

Eligibility for participation in such programs is determined on the basis of the student obtaining a Working with Children Clearance.

These checks are only carried out with a student's consent. If students refuse to apply for a Working with Children Clearance, they will be unable to complete the course requirements.

The Working with Children Check – Declaration for volunteers and contractors is downloadable as a PDF from the NSW Department of Education and Communities.

Students who will provide personal care services to children with disabilities involving intimate contact with those children (such as assistance with toileting, bathing or dressing), or mentoring services as part of a formal mentoring program provided by a government or non-government agency, are required to obtain a Working with Children Check Clearance Number from the NSW Children's Guardian. The student cannot be engaged in such services until the NSW Children's Guardian has verified that the person is cleared. Information on how to apply for a clearance number is also downloadable as a PDF.

Further information is available from UTS: Education:

Building 10 Student Centre

CB10.2 – Building 10, level 2 (foyer)

235 Jones St, Ultimo

telephone +61 2 9514 3900

Kuring-gai Student Centre

KG01.5 – Building 1, level 5 (foyer)

Eton Rd, Lindfield

telephone +61 2 9514 5621

Health students: prohibited employment declaration and criminal record check

NSW Health is committed to providing their staff, patients and clients with a safe workplace. The Employment Checks – Criminal Record Checks and Working with Children Checks policy requires all students enrolling in courses that involve clinical placements in NSW public health facilities to undertake these checks and comply with other policy requirements. In addition, when starting nursing or midwifery studies at UTS, international/overseas students are required to obtain a police certificate (with English translation) from their home country and any country that they have resided in, incorporating any charges the student may have against his or her name. If the student is unable to provide a police certificate, he or she must complete a statutory declaration stating that he or she has no pending criminal charges or convictions from their home country or any country that he or she has resided in. If a student does have such records, he or she must list the date of offence, type of offence and court outcome. Details of the clearance requirements for students, including those for overseas students, are provided in Notice to Students Enrolling in Courses that Require Clinical Placements in NSW Public Health Facilities. This document and further links related to the forms, police contacts, frequently asked questions and further information can be found on the NSW Health website at:

www.health.nsw.gov.au/jobs/student_clearance/index.asp

In addition, during enrolment at UTS, students are required to read and sign a NSW Health Student Undertaking. This undertaking requires students to notify the NSW Department of Health if they are charged or convicted of a criminal offence after the date of issue of their national police certificate or during the completion of their course. Information on this process is provided at enrolment.

Following the commencement of studies and prior to each clinical placement, students are required to:

- have read the NSW Health Code of Conduct and signed a form confirming that they have read, understood and will comply with the NSW Health Code of Conduct
- sign a Commission for Children and Young People Student Declaration.

Further information is provided on the commencement of studies.

Students cannot undertake nursing practice until these clearance requirements are attended to. Fees may apply which must be met by the student.

Further information is available from UTS: Health at:

www.nmh.uts.edu.au/students/current/clinical-practice/rules.html

EQUITY AND DIVERSITY

UTS has a strong commitment to ensuring that the diverse nature of Australian society is reflected in all aspects of its employment and education. The University aims to provide a supportive and open organisational culture in which students and staff are able to develop to their full potential.

The Equity and Diversity Unit provides a range of services for students and staff including:

- support for access to education and employment for people from diverse backgrounds
- grievance handling advice and assistance for matters relating to discrimination and harassment
- advice on anti-discrimination and affirmative action legislation
- design and facilitation of equity and diversity training
- guest lectures and presentations on equity and diversity issues to student and staff groups.

UTS is committed to implementing its Equal Opportunity and Diversity policy.

For further details contact:

Equity and Diversity Unit

CB01.17.12

City campus, Broadway

telephone +61 2 9514 1084

email equity@uts.edu.au

www.equity.uts.edu.au

STUDENT OMBUDS

Students with a complaint against a decision by University staff, or related to the University, may seek assistance from the Student Ombuds.

All matters are treated in the strictest confidence and in accordance with proper processes.

For further details contact:

CB02.4.02

City campus, Broadway

telephone +61 2 9514 2575

email ombuds@uts.edu.au

www.ombuds.uts.edu.au

UNDERSTANDING COURSES AND SUBJECTS

COURSE DURATION AND ATTENDANCE

Teaching periods

There are two main semesters in the academic year. Autumn semester runs from the beginning of March to the end of June. Spring semester runs from the beginning of August to the end of November. The majority of subjects are offered within Autumn and Spring semesters.

Summer session for undergraduate and postgraduate subjects occurs during the University summer holiday period. Summer session is designed so that students can fast-track their studies and complete subjects in an intensive format. Students should note that only a limited range of subjects is offered in this session. Any student interested in Summer session should contact the relevant UTS Student Centre regarding details of subjects offered and timetabling information.

The 2014 academic year dates (including the examination period) are:

- Summer session: 2 December 2013 – 7 February 2014
- Autumn semester: 24 February – 27 June 2014
- Spring semester: 28 July – 28 November 2014

Some subjects are offered in block or intensive mode in the following short teaching periods:

- March session: 10 March – 18 April 2014
- May session: 28 April – 6 June 2014
- July session: 16 June – 25 July 2014
- August session: 11 August – 19 September 2014
- October session: 29 September – 7 November 2014
- December session: 17 November – 26 December 2014

Standard duration

The standard course duration is listed within the detailed entry for each course. Course duration may vary depending on attendance pattern and student load and the timetabling of chosen elective subjects.

Master's degrees by research take a maximum of two years of full-time (four years part-time) research and writing to complete.

Doctorates take a maximum of four years of full-time (eight years part-time) research and writing to complete.

Study load

Full-time students typically undertake 24 credit points a semester. Part-time students have a reduced semester load. Students are not normally permitted to take more than 30 credit points a semester, but there is no lower limit apart from those dictated by the maximum time and leave of absence rules.

Some courses are offered in such a way as to support part-time attendance through the scheduling of classes in the evening. Others are primarily designed for full-time students. Information on modes of study is provided in the detailed entry for each course.

Enrolment restrictions

The only restrictions on subject enrolment are that the subject requisites are met, the subject has not reached its enrolment quota and that the subject is a valid component of the student's study plan.

Note: Entry into preferred subjects is not guaranteed.

Attendance modes

For each specific subject, teaching period and location, one or more attendance modes are available: standard, block, distance (off-campus) and mixed.

Standard attendance mode involves attendance at weekly, on-campus classes over a 14-week semester.

Block mode involves an intensive period of study in classes scheduled over one or more weeks of the teaching period.

In distance (off-campus) mode, students are provided with materials that they work through in their own time, supported by online and print materials, and possibly one or two face-to-face sessions.

Mixed mode attendance combines the flexibility of on-campus, distance and block study.

Students undertaking a master's (research) or doctoral degree are, in general, not required to attend classes. However, regular contact is maintained with the student's supervisor(s) throughout enrolment.

Class attendance

On-campus classes may be timetabled between 8am and 9pm. Not all subjects are available in the evenings. Evening classes can start as early as 5pm. Part-time students may need to attend some day classes and full-time students may need to attend some evening classes.

Regular attendance at classes is a requirement of the University. It is the student's responsibility to attend lectures, tutorials and laboratory sessions, and carry out all assignment and examination work in every subject in which she or he is enrolled. Students are issued with a subject outline for each of their subjects that includes further details of specific attendance requirements.

The current timetable is available at:

http://timetable.uts.edu.au

International students

International students studying on student visas are subject to specific enrolment requirements under the Australian Government's *Education Services for Overseas Students Act 2000*. These requirements do not apply to international students studying on other kinds of visas.

Further information on student visas is available at:

www.uts.edu.au/future-students/international/essential-information/being-international-student-australia

Credit point load and course duration

International students studying on student visas must ensure that their credit point load puts them in a position to complete their course within the standard duration. This normally requires the completion of 48 credit points a year. Hence, by default, international students must enrol in a 100 per cent load each semester. The exceptions are:

- if they have made up, or intend to make up, credit points by overloading or enrolling in non-standard sessions, or
- if they have formal faculty approval to reduce their load.

Australian Government legislation prevents UTS from granting extensions to international students' courses except in limited circumstances. Failure to follow the above requirements may therefore mean that an international student is unable to extend their student visa to complete their course.

Further information on study load is available from UTS International:

www.uts.edu.au/future-students/international

Attendance mode

International students may enrol in distance subjects, subject to faculty approval. However, students studying on student visas must enrol in at least one on-campus subject each semester, and can study a maximum of 25 per cent of their total course by distance.

Further information is available from UTS International:

www.uts.edu.au/future-students/international

ASSUMED KNOWLEDGE

Assumed knowledge means that a student is assumed to have passed a relevant subject in the HSC. UTS does not have specific HSC subject prerequisites for any of its courses. Each faculty identifies assumed knowledge and/or recommended studies, which students are advised to have achieved before beginning the course. Details of any assumed knowledge are included in the entry for each course.

UTS offers a range of bridging courses (see page 37) for students who do not meet the assumed knowledge requirements for their preferred course. Most of the courses are offered in late January/early February, between enrolment and the start of semester. Bridging courses in chemistry, mathematics and physics are available for new students undertaking degree studies in business; design, architecture and building; education; engineering and information technology; health; and science.

Student learning centres (see page 38) are also available to provide assistance to students via bridging and intensive courses and general advice.

CREDIT RECOGNITION

Credit recognition is granted in accordance with section 6 of the UTS Student and Related Rules. Individual courses may also have specific regulations regarding credit recognition.

UTS provides the opportunity for students to apply to have prior learning considered for credit towards a UTS course where the prior learning is related to assessable components of the course. Forms of prior learning include previous study from recognised tertiary organisations, relevant work or life experience, or courses undertaken outside a recognised tertiary education organisation.

Eligibility for credit recognition does not guarantee an applicant a place in the course for which credit recognition may be available. An applicant may apply for an assessment of their prior learning normally only at the time of applying for entry to a course. If recognition of this prior learning is granted, students receive either exemptions or substitutions from either specified or unspecified components of their UTS course.

Students granted exemptions must monitor progress in their enrolled subjects in the first weeks of the teaching period to enable withdrawal, if necessary, from subjects where credit recognition has been granted, before the last date for withdrawal. Students may apply to have an exemption rescinded and enrol in the relevant subject if they feel they cannot meet academic requirements or other components of their course without completing the subject.

Students should read the Credit Recognition Policy at:

www.gsu.uts.edu.au/policies/credit-recognition.html

Further information is also available from specific faculty guidelines at:

www.sau.uts.edu.au/applying/rpl.html

Application forms for credit recognition are available from the UTS Student Centres or at:

www.sau.uts.edu.au/forms

If previous study was at another tertiary institution, the credit recognition search tool can be used for an indication of the amount of credit that an applicant may be eligible to receive at UTS:

http://cfsites1.uts.edu.au/uts/credit

Further information is available from:

telephone 1300 ask UTS (1300 275 887)

Ask UTS www.ask.uts.edu.au

When visiting a UTS Student Centre bring a copy of your transcript from your previous study, or alternatively upload a copy via Ask UTS.

Student Centre locations and opening hours are available at:

www.sau.uts.edu.au/contact

PROFESSIONAL RECOGNITION

Many UTS courses are recognised by professional associations and bodies. This means that graduates may be eligible to apply for professional membership of associations or bodies, or that graduates may be recognised as having satisfied the academic requirements to practise in a particular profession.

Details of professional recognition are included in the entry for each course.

AVAILABILITY AND TYPICAL AVAILABILITY

Course availability

The availability of a course refers to the teaching periods and locations for which there will be a student intake in the specified year. Information about undergraduate and postgraduate courses open for applications is available at:

www.uts.edu.au/study/apply.html

Subject availability

The typical availability of subjects is provided with the subject description. It lists each teaching period/session and location that the subject is usually offered.

Note: While the subject is usually offered according to the specified pattern, there is no guarantee. Students should check the actual availability of subjects on the timetable.

Timetable

The University timetable for all teaching periods (except Summer session) is published online in early November for the coming year. The Summer session timetable is usually published in mid-October each year.

http://timetable.uts.edu.au

UAC CODES

The handbook uses several standard acronyms against UAC codes:

FT: full-time

PT: part-time

CSP: Commonwealth-supported place

PDFP: postgraduate fee-paying

STUDY PLANS

On admission to the University each student is given a study plan. The study plan is a list of the subjects that must be completed in order to qualify for the course award. As well as compulsory or core subjects, the study plan may include lists of subjects from which a specified number of credit points must be selected. Some courses allow students to choose a specific learning pathway. A pathway may require students to choose one or more majors or sub-majors.

The study plan is available through My Student Admin. Any choices, in the form of option selection or pathway specification, can be made online, although in some cases faculty approval is required. The point at which choices need to be made, and the extent to which choices are reversible, depends on the course.

Further information is available from the Student Administration Unit at:

www.sau.uts.edu.au/enrolment/studyplan

COURSE STRUCTURE

A course structure is provided for each course. The course structure specifies the completion requirements for a particular version of a course. Changes in course completion requirements are reflected in successive course versions. However, the course requirements that apply to a student are those that applied at the time of admission to the course, unless a specific transition program has been approved by the faculty.

The course structure is shown by listing compulsory components (core components) and/or an options list. The components in both the core and the options list may be subjects (see page 31) or sub-structures (see page 30), such as majors, sub-majors, choice blocks or streams.

SUB-STRUCTURES

Choice blocks (CBK), streams (STM), majors (MAJ) and sub-majors (SMJ) are groupings of subjects that form part of the course structure (see page 30). They are collectively called sub-structures.

Sub-structures are used to specify the completion requirements for a particular course and appear in the course structure and course program of the detailed course entry.

With the exception of choice blocks, which consist entirely of an option list from which a specified number of credit points must be selected, each of these sub-structures can include core components, optional components or both. The components may be subjects or further sub-structures.

The breakdown of the subjects students are required to complete within a particular sub-structure is provided in code-numeric order in the study package directory. The credit point value of the options available is always specified but, in some cases, no subjects or only

a partial list of subjects are specified under the list of valid choices. This is the case when students have considerable flexibility as to what subjects they choose. Once permission from the relevant faculty has been obtained, the chosen subject can be made available to the student by being added to the appropriate list on the student's study plan (see page 30).

COURSE PROGRAMS

In order to assist students in determining the order of enrolment in subjects, typical course programs are supplied. These are offered as suggested patterns of enrolment that enable students to satisfy the course completion requirements, taking into account factors such as subject requisites, teaching period offered, and full-time or part-time study load. Individual programs may vary from the typical course program if subject requisites are satisfied.

Following the course program allows students to complete the degree in the minimum time. Students should be aware that if the typical program is not followed, the course duration may be extended and not all subjects may be available when preferred.

In the case of combined degrees and courses with significant flexibility in major and sub-major choices, it is not feasible to publish programs for all possible pathways. Programs are presented for typical pathways, along with information that would allow the equivalent program for a different pathway to be deduced.

Not all courses have a typical program. Students in such courses need to refer to the course structure and select subjects for which they have met the requisites, constructing a program for themselves that avoids timetable clashes. The best way to do this is to identify any long requisite chains in the course and undertake subjects at the beginning of the longest chain first.

SUBJECTS

Subject descriptions include the subject number, name, credit point value and study mode. Also shown are the academic prerequisites and corequisites, if any, followed by a brief subject outline and, in some cases, details of assessment.

Credit points

Credit points are the unit of measure of workload for individual subjects. Credit points (cp) are gained by students enrolled in award courses when subjects are passed and, when accumulated, credit points form one measure of the total requirements of a course. Most subjects are 6cp or 8cp. As a standard measure at UTS, a normal full-time study load is equivalent to 48 credit points a year.

Requisites and anti-requisites

If a subject has an academic prerequisite or corequisite it will be displayed under the 'Requisite(s)' heading in the subject description.

All requisites displayed under the 'Requisite(s)' heading are prerequisites unless a lower case 'c' appears after the subject code (e.g. 78100c) which indicates that the subject is a corequisite.

If a subject has an academic anti-requisite it will be displayed under the 'Anti-requisite(s)' heading in the subject description.

There are also admission requisites and other requisites which may impact on a student's enrolment in a subject; these are available in 'Access conditions', accessible from every online subject description.

Definitions

A **prerequisite** is a subject that must be completed before enrolment in another specified subject.

A **corequisite** is a subject that must be completed either before or concurrently with another specified subject.

An **anti-requisite** is a subject/study package with substantially overlapping content as another subject/study package and which therefore cannot be undertaken by a student, for credit-point value, who has already undertaken the subject/study package for which it is an anti-requisite.

Recommended studies

Some subjects also include an indication of recommended studies, subjects or experience which students would benefit from having completed before commencing the subject. Recommended studies are not mandatory and are not enforced by the University. Students should discuss any recommended studies with their faculty.

Core subjects

Core subjects are subjects that are compulsory within a specified course or sub-structure (see page 30). Whether a subject is a core subject is dependent on the course or sub-structure in which it resides, so that a subject which is core in one course may be available as an option or elective in another.

Options lists

Many course structures (see page 30) provide the opportunity to select subjects from a specified list. Options lists present a set of subjects from which students must make choices to a specified total credit point value. Options lists may either be associated directly with a course or sit within sub-structures such as majors, sub-majors, choice blocks and streams.

Electives

Some courses provide the opportunity to select electives where the subjects chosen are not constrained to a specified list. Although it is necessary to select elective subjects to the nominated credit point value, students are able to choose which subjects to complete in order to satisfy this criteria in the course requirements. Students are able to select from a wide range of subjects offered across the University, within the constraints of the particular access conditions applying to each subject.

Subjects offered by other faculties or institutions

Students wishing to take subjects offered by other faculties or by another institution should discuss their choice of subjects with their faculty adviser.

Note: Once approved by a faculty, it is the student's responsibility to ensure all required application procedures are followed for acceptance at other institutions.

Concurrent study

Students who wish to study one or more subjects at another institution and have those subjects credited to their UTS course must complete an application for concurrent study form. Subjects successfully completed are added to the student's record at UTS as a subject exemption. No mark is recorded and the subjects do not contribute to the calculation of level of award or grade point average. The application form is available at:

www.sau.uts.edu.au/forms

Assessment

Assessment varies from subject to subject. Assessment items can include class presentations; reflective reviews and journals; research papers; case studies; simulations and role-plays; in-class tests; discussion papers; assignments, reports and essays; and final examinations, faculty-based examinations and take-home examinations. Assessment often involves both individual and group work. Detailed assessment requirements, including weighting of assessment items, due dates and arrangements for collection and return of assessment items, are set out, where available, in subject outlines, which are distributed by subject coordinators by the end of the first week of teaching. Students should check with their faculty for any other specific assessment guidelines.

The UTS policy and procedures for the Assessment of Coursework Subjects are available at:

www.gsu.uts.edu.au/policies/assessment-coursework.html

Postgraduate research assessment

The majority of research degrees are undertaken wholly by thesis. A master's (research) is normally a work of around 40,000 words and is examined by two appropriate examiners, at least one of whom is external to UTS. A doctoral degree is normally a work of 80,000–100,000 words and is examined by three appropriate examiners, at least two of whom are external to UTS. Further information is available from the UTS: Graduate Research School at:

www.gradschool.uts.edu.au

ACADEMIC UNITS OFFERING COURSES AND SUBJECTS

In addition to the eight faculties and schools, the following academic units also offer courses and subjects at UTS.

Centre for Local Government

The objective of the Centre for Local Government is to support the advancement of local government through continuing professional education and training, research and specialist consulting services. In Australia and internationally, the centre works collaboratively with local government associations, professional institutes, and state and federal government departments.

The centre is a major provider of continuing professional education for local government in New South Wales and across Australia. Education and training programs have a strong emphasis on workplace learning and high-quality, up-to-date content. In addition, the centre regularly undertakes applied research, training programs and consultancies for all spheres of government, individual councils and regional groups of councils, across a wide range of activities. Significant contributions are made to the development of local government in all Australian jurisdictions, and courses and joint programs are also designed and delivered with the Australian Centre of Excellence for Local Government.

The centre offers a Master of Local Government (C04257) (see page 433) and a Graduate Diploma in Local Government Management (C06033) (see page 440), which are largely delivered in flexible, workplace-based modules, as well as a Graduate Certificate in Development Assessment (C11204) (see page 507) and a Graduate Certificate in Local Government Leadership (C11215) (see page 511).

Further information is available from:

Gabrielle Watterson

Administrative Officer

CB10.08.103

City campus, Broadway

telephone +61 2 9514 1659

fax +61 2 9514 2274

email clg@uts.edu.au

www.clg.uts.edu.au

Institute for Sustainable Futures

The Institute for Sustainable Futures works with industry, government and the community to develop sustainable futures through project-based research.

The institute's mission is to create change towards sustainable futures. Its objectives are to:

- be a world leading sustainability research institute
- support communities, government and business to create their own change towards sustainable futures
- deliver a cutting edge transdisciplinary postgraduate research program in sustainable futures
- progress public dialogue as well as motivate and facilitate action
- be an exemplar of participation within the UTS community
- value and enrich a supportive and sustainable workplace.

Further information is available at:

CB10.11

City campus, Broadway

telephone +61 2 9514 4950

fax +61 2 9514 4941

email isf@uts.edu.au

www.isf.uts.edu.au

The institute offers a Doctor of Philosophy in Sustainable Futures (C02037) (see page 529) and a Master of Sustainable Futures (Research) (C03032) (see page 542) to both local and international students. The institute does not offer coursework degrees.

Applications for postgraduate research places are subject to the same criteria as applications to any UTS course.

Further information on the University's requirements for postgraduate applications and on scholarships and fees is available from the UTS: Graduate Research School:

www.gradschool.uts.edu.au

The UTS: Graduate Research School provides a range of researcher development courses and activities for currently enrolled research students, early career researchers and supervisors. More information is available at:

www.gradschool.uts.edu.au/researcher-skills

International applicants should contact UTS International:

www.uts.edu.au/international

Inquiries

The institute's website provides an outline of the postgraduate program and the steps required to proceed with an application to study at ISF. The institute receives many more applications than places available, so it is important to contact them early and to follow the application processes outlined on their website:

www.isf.uts.edu.au/postgrads

SCHOLARSHIPS, ASSISTANCE AND FEES

SCHOLARSHIPS

UTS offers many scholarships annually to hundreds of UTS students. Scholarships vary considerably in terms of their purpose, eligibility criteria and amount.

The scholarship search facility is available at:

www.sau.uts.edu.au/scholarships

Vice-Chancellor's scholarships

In 2014, UTS awards the Vice-Chancellor's scholarships to current school leavers, valued at $12,500 a year for the duration of the full-time course.

- The **Vice-Chancellor's Outstanding Achievement Scholarships** are awarded for academic excellence in high school. The scholarships were awarded to five current school leavers in 2013 with an ATAR of 99.5 and above.
- The **Vice-Chancellor's Merit Scholarships** are awarded to students demonstrating academic excellence in high school (ATAR of 90 or above) and financial disadvantage. The scholarships were awarded to five current school leavers in 2013. Applicants must demonstrate financial disadvantage by applying for an Equity Scholarship through the Universities Admissions Centre (UAC) (www.uac.edu.au/equity).

Further information is available from:

UTS Scholarships Office

telephone +61 2 9514 2527

email scholarships@uts.edu.au

www.uts.edu.au/future-students/undergraduate/essential-information/undergraduate-scholarships

Faculty-specific scholarships

Faculty-specific scholarships are offered for specific courses. Some examples are:

- **Dean's scholarships** are prestigious faculty scholarships for top-performing ATAR students. These scholarships are valued at up to $10,000 per annum for the duration of the full-time undergraduate degree.
- **Co-operative scholarships** are sponsored by industry and combine financial benefits with the possibility of valuable industry placement. UTS offer cooperative scholarships in these courses: Bachelor of Accounting, Bachelor of Information Technology, Bachelor of Engineering Diploma in Engineering Practice.

Search for these and other faculty-specific scholarships at:

www.uts.edu.au/future-students/undergraduate/essential-information/undergraduate-scholarships

UTS Diversity Access Scholarships

UTS Diversity Access Scholarships are offered to UTS undergraduate and postgraduate students in situations of financial hardship. These scholarships are valued between $600 and $5000 with a maximum duration of one year. Recipients may apply each semester or year that they are eligible.

Eligibility information is available at:

www.sau.uts.edu.au/scholarships

Scholarships for Indigenous students

UTS provides a number of scholarships for Aboriginal and Torres Strait Islander students each year. Scholarships are generally awarded on academic merit or a combination of academic merit and financial disadvantage. UTS offers scholarships for both commencing and continuing Indigenous students in undergraduate, postgraduate coursework and postgraduate research studies. Jumbunna Indigenous House of Learning (see page 38) disseminates information about all opportunities fortnightly via the Jumbunna Student Inbrief, and Jumbunna Student Services Officers are available to assist with the preparation of scholarship applications.

Further information is available from:

www.jumbunna.uts.edu.au

www.sau.uts.edu.au/scholarships

Commonwealth scholarships

On behalf of the Commonwealth Government, UTS administers the Indigenous Access Scholarship, Indigenous Commonwealth Accommodation Scholarship, Indigenous Commonwealth Education Costs Scholarship, Indigenous Enabling Commonwealth Accommodation Scholarship and the Indigenous Enabling Commonwealth Education Costs Scholarship for Indigenous students. Further information on these scholarships is available from:

www.sau.uts.edu.au/scholarships

Postgraduate research scholarships

All permanent residents/citizens of Australia applying for a higher research degree can apply for a postgraduate research scholarship. These scholarships are usually living allowance stipends which provide periodical payments to students while they are studying.

Further information on research scholarships is available from the UTS: Graduate Research School at:

www.gradschool.uts.edu.au

Scholarships for international students

UTS offers scholarships for:

- incoming international students
- current UTS students who wish to pursue studies overseas through the Global Exchange program
- current students enrolled in undergraduate, postgraduate coursework and postgraduate research studies.

All scholarship applications are competitive. They are open to international students who meet the specific scholarship selection criteria and who have received or are eligible to receive admission to a course at UTS.

Search for international student scholarships at:

www.sau.uts.edu.au/scholarships

FINANCIAL ASSISTANCE

Study Assist

The Australian Government's Study Assist website provides information about fees, loans and scholarships associated with study at university. It also contains information about higher education reforms that affect students.

www.studyassist.gov.au

HECS-HELP

Eligible students have access to HECS-HELP assistance. This allows eligible students to request a HECS-HELP loan and defer payments through the Australian Taxation Office. Subject to the passage of legislation in 2014, the discount applied to upfront payments may be removed.

Further information for Commonwealth-supported students is available at:

www.studyassist.gov.au

HECS-HELP benefit

The HECS-HELP benefit is available to eligible graduates of courses in the fields of:

- mathematics or science
- education, nursing or midwifery.

The benefit is not a cash payment. It is a benefit that reduces your compulsory HELP repayment, or for some early childhood educators, your accumulated HELP debt. For more information, contact the Australian Taxation Office (ATO).

FEE-HELP

FEE-HELP is a loan scheme for eligible full-fee-paying domestic students. Under this scheme students can borrow up to the amount of the tuition fees being charged for units of study. The FEE-HELP limit is the maximum amount a student can borrow over their lifetime. In 2014 the FEE-HELP limit is $96,000. Students who access FEE-HELP for a full-fee undergraduate place also incur a 25 per cent loan fee.

Further information on FEE-HELP is available at:

www.studyassist.gov.au

SA-HELP

Eligible students who do not wish to pay the student services and amenities fee up front to the University can request assistance and defer the fee through SA-HELP, a new element of the Higher Education Loan Program (HELP).

Further information on SA-HELP and the student services and amenities fee is available at:

www.studyassist.gov.au

Commonwealth Higher Education Student Support Number (CHESSN)

All Commonwealth-supported students and FEE-HELP students are issued with a Commonwealth Higher Education Student Support Number (CHESSN). The CHESSN is a unique identifier that tracks an individual's use of Commonwealth assistance. As a condition of enrolment, students provide informed consent for the University to share their personal information with the Department of Industry, Innovation, Climate Change, Science, Research and Tertiary Education, so that the University can comply with legislative requirements. The information provided by students is used to generate the CHESSN. The CHESSN stays with students for their academic life.

Students can access their information using their CHESSN via myUniAssist at:

www.studyassist.gov.au

OS-HELP

OS-HELP is a loan scheme that helps eligible Commonwealth-supported students undertake some of their study overseas. In 2014 the scheme provides up to $6232 per six-month study period for up to two study periods to help students with a range of expenses such as airfares and accommodation.

Further information on OS-HELP is available at:

www.ssu.uts.edu.au/globalexchange/grants/oshelp

Centrelink benefits

The Australian Government's benefits for tertiary students are administered by Centrelink and are income and assets tested:

- Austudy (for students aged 25 and above)
- Dependent Youth Allowance (assessed on parental income and assets; for students up to 22 years of age who have not met the independence criteria)
- Independent Youth Allowance (for students up to 22 years of age, who have satisfied the independence criteria, and for students turning 22, who were previously receiving Dependent Youth Allowance)
- Abstudy (see below).

Eligibility, payment rates and registration details for all Centrelink benefits are available from Centrelink:

www.humanservices.gov.au

Registering students need to provide supporting documents to Centrelink as early as possible. The first benefit payment for an eligible full-time student is backdated to the date of registration with Centrelink.

Commonwealth legislation sets strict requirements for Austudy and Youth Allowance over which the University has no control.

Students receiving Austudy or Youth Allowance must be enrolled in a minimum of 18 credit points a semester. They need to advise Centrelink if they drop subjects during semester, and with less than 18 credit points they are no longer eligible for the benefits. Concessional study loads may apply for Austudy recipients with substantial disability or ongoing illness which impacts on their studies or, in exceptional cases, those who are required by the University to undertake a reduced study load.

The financial assistance service at UTS provides a guide to Centrelink benefits for students:

www.ssu.uts.edu.au/fassist/centrelink

Abstudy

Abstudy assists Aboriginal and Torres Strait Islander tertiary students by providing income support and other assistance.

Further information is available from Jumbunna Indigenous House of Learning at:

CB01.5

City campus, Broadway

telephone +61 2 9514 1902

or 1800 064 312

www.jumbunna.uts.edu.au

The financial assistance service provides a guide to Abstudy at:

www.ssu.uts.edu.au/fassist/centrelink/abstudy

International loan schemes

International students from some countries may apply for government-funded and private education loans to support their studies in Australia. UTS International can provide documentation and advice to eligible students. Further information is available at:

www.uts.edu.au/international

Students from Canada, Sweden, Norway, Denmark, Germany, the United Kingdom and the United States may apply for education loans from government departments in their home countries. International students, with the support of a co-borrower who is either a citizen or permanent resident of the United States, can access private education loans. There may also be other loan systems which are not listed here. It is advisable to check with your home country.

UTS also accepts students who are eligible for a range of US Veteran's Educational Benefit Programs.

Further information on educational loans is available from the loans scheme coordinator:

www.uts.edu.au/future-students/international/essential-information/scholarships-and-financial-aid

email usfinaid@uts.edu.au

UTS financial assistance

UTS provides scholarships (see page 33) and a range of other financial assistance.

The financial assistance service may also be able to assist students who are experiencing financial difficulties associated with practical and financial aspects of university life. Contact the service at:

City campus, Broadway

telephone +61 2 9514 1177

Kuring-gai campus

telephone +61 2 9514 5342

Contact Student Services for more information:

email financial.assistance@uts.edu.au

FEES AND COSTS

Course and subject fees

Undergraduate fees (domestic)

In 2014 UTS offers Commonwealth-supported places to all commencing undergraduate students. Continuing students enrolled prior to 2014 in full-fee-paying places will maintain their full-fee place, as will international students who become permanent residents.

The government makes a substantial contribution towards the cost of Commonwealth-supported students' education, and the balance is paid through student contributions. Students who are eligible may access HECS-HELP (see page 33). UTS determines the student contribution amount for each subject within the ranges set by the Australian Government.

Continuing full-fee-paying (non-Commonwealth-supported) domestic students must meet the full cost of their education themselves. However, students may be eligible to access the FEE-HELP (see page 34) loan scheme. Students who use FEE-HELP for a full-fee-paying undergraduate course incur a loan fee to the value of 25 per cent of the loan.

Further information on fees is available at:

www.sau.uts.edu.au/fees

Postgraduate fees (domestic)

For most postgraduate courses by coursework, students are charged tuition fees. A small number of courses are offered as Commonwealth-supported places.

Approved fees for UTS postgraduate award courses are listed in the annual fees schedule. Postgraduate students enrolled in a full-fee-paying place may be eligible to access FEE-HELP (see page 34).

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Research students who qualify for a Research Training Scheme place are exempt from postgraduate course fees. Further information is available from the UTS: Graduate Research School at:

www.gradschool.uts.edu.au

Payment amounts

All students at UTS pay tuition fees to contribute towards the cost of their studies. The exact amount depends on:

- what type of student you are
- the subjects you enrol in and their credit-point value
- the course you are studying.

Details of all fees are available via the Tuition Fee Calculators at:

www.sau.uts.edu.au/fees/calculators

Consequences of non-payment of fees

Students who have not paid all due fees and charges by the published final date for payment are liable for a late payment fee. These students are also unable to receive examination results, change their enrolment program, access their UTS computer account or graduate. Students may also have their enrolment in a course cancelled. Students who wish to recommence their studies must then apply through the formal admissions process. Readmission is not guaranteed.

Annual fee increases

Fees increase annually and students should anticipate a fee increase each year. They are set annually by the federal government's Department of Industry, Innovation, Climate Change, Science, Research and Tertiary Education for Commonwealth-supported places and by the University for full-fee-paying places. Any projections regarding the tuition fee cost of obtaining a degree need to incorporate annual fee increases. As the University's costs increase each year, fees are adjusted annually to ensure a high standard of teaching and to enhance the student experience while keeping the cost to the student as affordable as possible.

Student services and amenities fee

In 2014 all domestic students will be required to pay a student services and amenities fee (SSAF) each semester. The SSAF contributes to the provision of amenities and non-academic services for students. The maximum amount a student may be requested to pay in 2014 is $281.

Eligible students may apply to defer this fee through SA-HELP.

Further information is available at:

www.sau.uts.edu.au/fees/other/service

Other costs

Students may incur other costs while studying at UTS. These may include books, printed sets of reading materials, photocopying, equipment hire, the purchase of computer software and hardware, and internet services.

Some subjects may incur an additional cost where travel away from the University is involved.

International student fees and costs

Course fees for international students are available from UTS International at:

www.uts.edu.au/future-students/international/essential-information/fees-information

Semester fees are subject to increase each academic year, usually between 4–6 per cent.

International students should be aware that, in addition to their course fees, they also need to set aside funds for living expenses. UTS estimates that an international student requires a minimum of A$14,786 to A$25,680 for living expenses for each academic year. It is a requirement of the Department of Immigration and Citizenship that, from 1 July 2012, prospective overseas students demonstrate that they have access to at least A$18,610 a year to fund their living costs in Australia.

There may also be other costs associated with their period of study, including textbooks and other course materials. International students who have school-age dependants need to take into consideration expenses for their dependants during the time they are living in Sydney, including school fees. Further information is available at:

www.uts.edu.au/future-students/studying-uts/living-sydney

From 2014 all international students will be required to pay a student services and amenities fee (SSAF) each semester they are enrolled (see above). The SSAF contributes to the provision of amenities and non-academic services for students. As an estimation of the cost, in 2013 the SSAF was A$136.50 a semester for full-time students (those enrolled with a study load of 18 credit points or higher a semester). SSAF is subject to annual government-set indexation increase and is therefore likely to be higher in 2014.

Further information is available at:

www.sau.uts.edu.au/fees/other/service

SERVICES AND FACILITIES

SUPPORT FOR STUDENT LEARNING

Student services

The Student Services Unit provides a range of professional services to support different aspects of student life and learning at UTS.

telephone +61 2 9514 1177

fax +61 2 9514 1172

email student.services@uts.edu.au

www.ssu.uts.edu.au

Orientation

UTS offers a free program of activities and a series of integrated study success lectures before semester begins to help new students manage the transition to university study. There are specially tailored components for part-time, postgraduate and international students, and recent school leavers.

www.orientation.uts.edu.au

Peer network

The peer network program enlists the aid of existing students to assist with the orientation of new students. Both undergraduate and postgraduate students can get involved.

www.ssu.uts.edu.au/peernetwork

Careers

The careers service at City campus offers career guidance and assists with job placement for students seeking permanent, casual or vacation work.

telephone +61 2 9514 1471

www.careers.uts.edu.au

Chaplaincy

Visiting chaplains and multi-faith centre rooms are available to students. Chaplains come from a number of different faith traditions including different Christian denominations, Buddhism, Judaism and Islam.

telephone +61 2 9514 2523

www.ssu.uts.edu.au/chaplaincy

Counselling

Counsellors are available at both City and Kuring-gai campuses. The service is free of charge and confidential.

City campus

telephone +61 2 9514 1177

Kuring-gai campus

telephone +61 2 9514 5342

www.ssu.uts.edu.au/counselling

English language and academic literacy

Higher education language and presentation support staff assist students with workshops, one-on-one and group consultations, and drop-in support for developing English language, academic writing, academic presentation and conversation skills. These services are free of charge. In between teaching periods, they provide workshop programs on academic writing, tutorial presentation and pronunciation at a nominal cost.

telephone +61 2 9514 1177

www.ssu.uts.edu.au/helps

Financial assistance

Financial assistance staff assist students with personal financial matters, student loans, Youth Allowance, Austudy and other Centrelink benefits. Students on low incomes may be eligible for grants and assistance in relation to computer access.

telephone +61 2 9514 1177

www.ssu.uts.edu.au/fassist

Health

Experienced male and female doctors from diverse backgrounds and clinical interests are available at City campus.

telephone +61 2 9514 1177

email Liza.Head@uts.edu.au

www.ssu.uts.edu.au/health

Housing

University housing offers four residences to students, all within easy access to City campus. The housing service also provides assistance to students in locating short-term and long-term accommodation in the private rental and share accommodation market.

telephone +61 2 9514 1529

email Amit.Mitra@uts.edu.au

www.housing.uts.edu.au

Special needs

The University has a range of services and procedures to improve access for students with special needs. The special needs service is the central point of contact for students with disabilities and ongoing illnesses or conditions that affect their studies. Consultations with special needs staff about the physical environment, course requirements and the services available can be made well ahead of enrolment, or at any time during enrolment.

Many UTS courses require students to successfully undertake fieldwork, internships and work-integrated learning. UTS is committed to making education accessible and endeavours to accommodate the needs of students with disabilities and illnesses to the greatest extent possible.

Students who have a disability that may affect their participation in work-integrated learning components of their course should discuss this with special needs service staff prior to enrolment. The academic liaison officer within the student's faculty should be contacted for advice as necessary.

telephone +61 2 9514 1177

fax +61 2 9514 1172

email special.needs@uts.edu.au

www.ssu.uts.edu.au/sneeds

Peer-assisted learning

UTS: Peer Assisted Study Success (U:PASS) is a peer-based learning program designed to assist students undertaking difficult subjects. U:PASS is offered in selected subjects across several faculties. Students meet in small study groups facilitated by peer leaders who have recently completed the subject and achieved high grades. U:PASS sessions are free, informal and responsive to students' different abilities and needs.

www.ssu.uts.edu.au/peerlearning

Computing facilities at UTS

UTS provides computing facilities for students at City and Kuring-gai campuses, including computers, computer labs, study pods for group study, wireless access, and a range of information and communication facilities. Open student spaces have audio visual equipment, desk spaces where students can set up their own devices, secure wireless connectivity as well as networked computers.

Student printing and scanning

Student printing enables students to print to a print station, and there are a number of print stations on each campus. Students can scan using computers and scanners in the computer labs.

MyPrint - wireless printing

Students can print from any device using the MyPrint facility. Details on how to use this facility can be found on the MyPrint website.

IT support

Students can get IT help from an IT Support Centre by phone, in person or online. Details are available on the website.

Computer training

In general, where computer training is a necessary part of a course, it is provided as part of that course. Students can also consult the Mathematics and ICT Study Centre (see page 38).

IT policies and guidelines

The University's electronic mail services are a part of the University's facilities and are intended for teaching, learning, research and administration in support of the University's mission.

UTS policies and directives governing the use and access of UTS email accounts are administered by the UTS: Governance Support Unit.

The UTS Email Policy outlines appropriate use of, and access to, UTS email accounts:

www.gsu.uts.edu.au/policies/emailpolicy.html

The Guidelines for the Use of Email complement the UTS Email Policy, and should be read in conjunction with this policy:

www.gsu.uts.edu.au/policies/emailguidelines.html

The Acceptable Use of Information Technology Facilities Policy applies to all UTS IT facilities, including email accounts:

www.gsu.uts.edu.au/policies/itfacilities.html

Copyright at UTS

Downloading and/or copying copyright-protected material is illegal. Information about copyright laws is available at:

www.lib.uts.edu.au/about-us/policies-guidelines/copyright-and-uts

Bridging courses

Bridging courses are short intensive courses taught at an introductory level and designed to narrow the gap between secondary and tertiary study. They are intended for students who lack confidence with their preparation for university, or who may not meet the assumed knowledge requirements. Students without the recommended knowledge in a particular area should consider doing a bridging course. This may include students enrolling in areas such as engineering, business, nursing, architecture, traditional Chinese medicine and information technology. Subjects taught in bridging courses do not carry any credit towards a degree.

Bridging courses are available to all students, including those not intending to study at UTS.

Further details and timetable information are available at:

UTS: Science, Academic Administration

City campus, Broadway

telephone +61 2 9514 9985

fax +61 2 9514 1656

email science.admin@uts.edu.au

www.uts.edu.au/future-students/science/essential-information/bridging-courses

Chemistry bridging course

The UTS chemistry bridging course is divided into two parts: Chemistry Part 1 and Chemistry Part 2. Students intending to study science or engineering, and who are without any former training, are advised to undertake both parts. For those intending to study nursing or Chinese medicine, Chemistry Part 1 may suffice.

The course runs for two weeks on Mondays, Tuesdays, Thursdays and Fridays. Part 1 runs from Monday 3 February to Friday 7 February 2014. Part 2 runs from Monday 10 February to Friday 14 February 2014. The course includes lectures, demonstrations, tutorial and problem-solving sessions, self-paced learning, and laboratory experiences.

UTS: Science, Academic Administration

City campus, Broadway

telephone +61 2 9514 9985

fax +61 2 9514 1656

email science.admin@uts.edu.au

Mathematics bridging courses

The Mathematics and ICT Study Centre (see page 38) provides bridging subjects for students who need mathematics, statistics and basic computing skills for their studies at UTS. If groups of students have particular needs, centre staff can design a bridging subject specifically to meet these needs.

UTS mathematics bridging courses are divided into four branches of mathematics:

- Maths Algebra and Functions (one week)
- Maths Introduction to Calculus (one week)
- Maths Extension 1 (two weeks)
- Maths for Nursing (four days)

Students who have only studied general maths at HSC level and are pursuing mathematics, physical sciences or engineering studies at UTS are strongly advised to take the subject 35010 Foundation Mathematics in their first semester.

Maths Algebra and Functions and Maths Introduction to Calculus provide good preparation for this subject.

Maths Extension 1 is only recommended for students who studied 2 unit mathematics at HSC level. It is not suitable for students who have studied general maths only at this level.

Maths for Nursing covers basic skills in fractions, decimals, percentages and units of measurement.

Mathematics bridging short course

From Spring 2013, the Mathematics and ICT Study Centre (see page 38) is offering an extended mathematics bridging short course several times per year.

The course aims to develop the necessary mathematical skills and knowledge for students wanting to enter a science, engineering or mathematics based course at a tertiary institution. The course can be viewed as a starting point or stepping stone in an enhanced mathematics education. Students from TAFE, mature age students, senior school students (Stage 6 NSW) or anyone wanting a refresher in mathematics at the pre-calculus to introductory calculus level will find the program particularly useful.

This UTS fee-paying course runs over 14 weeks, with one weekly three-hour class on a weekday evening. There is also an online component. Times and venue are subject to change. Further information is available on the UTS Short Courses page or contact:

Dr Mary Coupland

City campus, Broadway

telephone +61 2 9514 2241

email Mary.Coupland@uts.edu.au

Physics bridging course

This course runs for four days from Tuesday to Friday. Attendance is in a combination of lectures and small group tutorials in labs and classrooms to ensure the best learning outcomes.

Topics include:

- measurement and units
- vectors, motions and force
- dimensions
- work, energy and conservation.

For further information contact:

Dr Jurgen Schulte

City campus, Broadway

telephone +61 2 9514 2206

fax +61 2 9514 2219

email Jurgen.Schulte@uts.edu.au

Academic liaison officers

Each faculty has at least one academic liaison officer (ALO) who is a member of academic staff. ALOs can approve requests for adjustments to assessment arrangements for students with disabilities or ongoing illnesses. ALOs are also contacts for students who experience difficulties because of carer responsibilities.

Students are encouraged to see the special needs service (see page 36) before contacting an ALO.

Further information is available from the relevant faculty or at:

www.ssu.uts.edu.au/sneeds/services/assessment/alo.html

STUDENT LEARNING CENTRES

Jumbunna Indigenous House of Learning

Jumbunna Indigenous House of Learning provides a central meeting place for Australian Indigenous students studying at UTS. At Jumbunna, Indigenous students, staff and researchers are committed to improving education and research outcomes that benefit Indigenous communities. Jumbunna focuses on:

- activities that support the recruitment, retention and graduation rates of Indigenous Australians
- activities that support the teaching and learning issues of Indigenous students and the promotion of Indigenous studies within the University
- research and advocacy of issues of concern to the Indigenous community.

Student services

Jumbunna Indigenous Student Services provides a range of academic and learning support programs to Indigenous students studying at UTS. Services and facilities available to students include academic and fully funded tutorial assistance, a range of programmed cultural activities, group and private study areas, student common room and kitchen, and two computer laboratories at City and Kuring-gai campuses.

CB01.6 – Building 1, level 6

City campus, Broadway

telephone +61 2 9514 1902

or 1800 064 312 (tollfree)

fax +61 2 9514 1894

KG02.4.47 – Building 2, level 4, room 47

Kuring-gai campus

email jumbunna@uts.edu.au

www.jumbunna.uts.edu.au

Mathematics and ICT Study Centre

The Mathematics and ICT Study Centre offers free assistance with mathematics, statistics and basic computing to students from all faculties. The centre can also assist students with common computing packages such as wordprocessing, spreadsheets, presentation managers, Mathematica, Minitab and SPSS.

The centre runs subjects to assist with particular courses, for example, mathematics for nursing, and workshops such as examination preparation workshops for specific mathematics subjects. Support tutorials are run by staff from the centre in selected undergraduate subjects. The centre also runs short bridging courses (see page 37) in mathematics, statistics and computing. Centre staff are active in education research and the development of resources.

Dr Mary Coupland, Director

CB01.16.15 (drop-in centre)

City campus, Broadway

telephone +61 2 9514 2241

email Mary.Coupland@uts.edu.au

www.science.uts.edu.au/facilities/centre/maths

UTS LIBRARY

UTS has two campus libraries, the City Campus Library and the Kuring-gai Campus Library. UTS is widely recognised as providing library services and facilities that are innovative, creative and user-focused. UTS Library offers numerous online and on-campus services, facilities and resources to support the University's educational and research programs. It provides access to an extensive range of electronic resources including more than 47,000 full-text e-journals (unique titles), over 103,000 e-books, and a collection of approximately one million books, journals and audiovisual items.

Many library services are available online via the library's website, 24 hours a day. These include the catalogue, subject resources, tutorials, tours and workshops, referencing and writing, borrowing, renewals, BONUS+, and Ask a Librarian. These can also be accessed through any of the library's 420 computers. The library is now on Facebook, Twitter, YouTube, Foursquare and Flickr.

Facilities on both campuses include individual and group study areas, silent study rooms, discussion and group presentation rooms, a special needs room with adaptive equipment and software, wireless connection zones for laptops, printing and photocopying, express catalogues, self-service loans machines and computer availability checking machines. Library staff provide face-to-face assistance at service points in the library and deliver a comprehensive information skills training program throughout the semester.

The Scholars' Centre, International Cultural and News Centre, Australian Culture Lounge, Baya Ng'ara Nura Learning Place and Create Space are located in the City Campus Library, and the Olympic and Event Studies Room and James O'Brien Room are available for student use at the Kuring-gai Campus Library.

Further information is available at:

www.lib.uts.edu.au

CAMPUS LIFE

Child care

UTS Child Care Inc. (UTSCC) coordinates all childcare services at City campus. Hours of operation are 8am to 6.30pm, 50 weeks per year.

Long day care is available for 0–5 year olds and can be accessed on a full-time or part-time basis (minimum enrolment is two weekdays).

UTS Child Care centres charge a fee comparable to other childcare centres. It is strongly suggested to place your name on either or both of the waiting lists as early as possible. UTS staff and students may be eligible for a number of subsidies to assist with the cost of child care.

Further information and waiting list application forms are available at:

www.uts.edu.au/partners-and-community/initiatives/uts-child-care

Magic Pudding Child Care Centre

corner of Mary Ann and McKee streets, Ultimo

City campus

telephone +61 2 8289 8401

Blackfriars Children's Centre

4–12 Buckland Street, Chippendale

City campus

telephone +61 2 9514 2959

Co-op

The Co-op is a member-owned, not-for-profit organisation, dedicated to offering the widest range of learning resources to its members at the best possible prices. For a one-off $20 joining fee, members receive a lifetime of benefits, including:

- discounted textbooks and reference materials
- up to 50 per cent of everything else in store and online
- coupons for partners such as Mad Mex, Jeanswest, etc.
- prizes such as holidays, backstage passes and VIP events.

The Co-op has over 55 years' experience with more than 50 stores across Australia. With stores at both UTS City and Kuring-gai campuses, the Co-op stocks all UTS texts and recommended readings, along with a great range of fiction and non-fiction titles, stationery, technical items, audio, beauty and gifts. Customers can shop online and pick up in store with the Co-op's 'Click and Collect' service, or opt for free Australia-wide delivery.

3 Broadway (corner of Broadway and Harris Street)

City campus, Broadway

telephone +61 2 8935 8230

email uts@coop.com.au

Architecture, Engineering, Information Technology and General Sciences specialist store

771 Harris Street, Ultimo

telephone +61 2 9212 3078

Nursing, Midwifery and Health specialist store

Shop 4, Level 2, Bldg 10

235 Jones Street, Ultimo

telephone +61 2 8935 9792

Eton Road, Lindfield

Kuring-gai campus

telephone +61 2 9514 5318

email utskuringgai@coop.com.au

UTS online orders

telephone +61 2 9211 3534

email uts@coop.com.au

www.coop.com.au

Radio 2SER (107.3 FM)

2SER is a community radio station, offering a diverse range of programs, which are mostly provided by volunteers. The station broadcasts 24 hours a day and is heard throughout Sydney on 107.3 FM, digital radio and mobile apps. The station is jointly owned by UTS and Macquarie University, and actively encourages student participation.

The station's main studios are located on Broadway, Ultimo (in the Terraces), next to the Co-op Bookshop.

More information, including about becoming involved with 2SER, is available at:

www.2ser.com

Students' Association

The Students' Association (SA) is the representative body for students at UTS. It represents all students of the University on welfare and education issues.

The Students' Representative Council (SRC) is the group of elected students that enacts, directs and coordinates the work of the SA. UTS students (excepting exchange and INSEARCH students) have the right to stand for election to the SRC and vote in the annual elections.

The University supports the existence of professional advocacy staff, for academic and non-academic appeals and to run the peer tutor scheme.

The SA also operates a second-hand textbook shop, a free weekly breakfast (the Bluebird Brekkie Bar), a student newspaper (*Vertigo*) as well as facilitating student support by providing various information, education and action campaigns to benefit students. The Students' Association, in conjunction with the University, has also opened a free legal service for all UTS students.

The Students' Association is home to a number of collectives that run campaigns, and hold regular events and meetings.

Further information is available at:

CB01.3

City campus, Broadway

telephone +61 2 9514 1155

KG02.4

Kuring-gai campus

telephone +61 2 9514 1155

www.sa.uts.edu.au

UTS Gallery and Art Collection

UTS Gallery fosters innovative contemporary art, cutting-edge design and social inquiry by leading and early career practitioners. As a forum to explore new ideas and culturally diverse perspectives, the gallery expresses the spirit of UTS. Situated on Harris Street in the Faculty of Design, Architecture and Building, UTS Gallery is an exciting place where creativity and technology meet. The vibrant exhibition program is accompanied by publications, talks, forums, performances, workshops and an annual artist-in-residence.

UTS Art Collection comprises over 1000 artworks in its permanent and loan collections in a variety of styles and media, most notably post-1960s paintings, prints and photography. Collection staff provide curatorial services and displays of quality Australian art as an integral element of a vibrant, inclusive campus.

CB06.4

City campus, Broadway

telephone +61 2 9514 1652

fax +61 2 9514 1228

email utsgallery@uts.edu.au

www.utsgallery.uts.edu.au

UTS Union Ltd

The UTS Union is a hub for student engagement and activity. The Union provides students with access to over 100 social and sporting clubs which students can join and be a part of. In addition, the Social Programs team facilitates the creation of new clubs in conjunction with students each semester.

To assist students with the transition to life at UTS, the Sporting and Social Programs teams provide students with a diverse range of activities and events that encourage interaction and engagement within the wider UTS community. Activities available to students range from tours to semester parties, and sporting teams to university games championships.

Spanning the two UTS campuses, the Union provides discounted food and beverage facilities, retail outlets and fitness amenities for the benefit of UTS students and staff. Full details and updates are available on the UTS Union website and Facebook page.

CB01.6.08

City campus, Broadway

telephone +61 2 9514 1444

fax +61 2 9514 1636

email unionoffice@uts.edu.au

www.utsunion.uts.edu.au

www.facebook.com/union.uts

UTS Fitness Centre

The Union operates the UTS Fitness Centre, which includes a state-of-the-art cardio theatre, an extensive range of weight training equipment, and multipurpose spaces for group exercise classes and circuit training. Adjacent to the fitness centre is the new Multi-Purpose Sports Hall, which the Union manages on behalf of UTS.

CB04.1

733 Harris St

City campus, Broadway

telephone +61 2 9514 2444

email info@utsfitness.com.au

www.utsunion.uts.edu.au/fitness

SAFETY, SECURITY AND SUSTAINABILITY

Safety and security

The University is committed to providing a safe and healthy workplace for students, staff and visitors. Students and staff must take reasonable care of themselves and others, cooperate with actions taken to protect health and safety and not wilfully place at risk the health, safety or wellbeing of others.

Emergency procedures

Report emergencies to security (24 hours) by dialling 6 from any internal telephone or 1800 249 559 from mobile phones.

Evacuation procedures, including an emergency evacuation video, are available at:

www.fmu.uts.edu.au/security/emergencies/evacuation.html

First aid and health service

See the first aid poster in your work or study area for the name, location and phone number of first aid officers. If there is no first aid officer nearby, contact security (24 hours) by dialling 6 from any internal telephone or 1800 249 559 from mobile devices. All security officers are trained in first aid.

The UTS Health Service at City campus, Broadway provides a confidential general medical practice for students and staff. Appointments can be made on:

telephone + 61 2 9514 1177

Hazard, accident/incident reporting

If you are involved in an accident, or if you identify a hazard at UTS, then you should report it using the Hazard and Incident Reporting Online (HIRO) system at:

www.safetyandwellbeing.uts.edu.au/accidents/reporting.html

If the accident is serious, report it to security (24 hours) by dialling 6 from any internal telephone or 1800 249 559 from mobile devices.

Safe work practices

Always follow safe work practices as provided by your lecturer, demonstrator or other supervising staff. This includes wearing any protective equipment required.

Ask for help if you are unsure about how to use a piece of equipment or undertake a task, particularly before carrying out new or unfamiliar work.

Smoke-free environment

Smoking is not permitted inside any building on any campus of the University, nor in any University vehicle. This includes areas adjacent to entrances and exits of buildings, windows and air intakes for air conditioners. Smoking is only permitted in designated smoking areas. Dispose of cigarette butts in the bins provided.

Contact the UTS Health Service for advice regarding quit smoking programs:

telephone +61 2 9514 1177

Campus shuttle bus

The University operates a number of courtesy shuttle bus services for UTS students and staff.

The Kuring-gai shuttle bus service travels between City campus and Kuring-gai campus. The security shuttle bus service travels between City campus and nearby student housing.

Timetables for shuttle bus services are available at:

www.uts.edu.au/about/maps-and-facilities/shuttle-buses/campus-shuttle

Lost and found

The security office is the first point of call to check for lost property or to hand in found items. Items are kept for three months and, if unclaimed, may become the property of the person who found the item.

Security systems

All buildings are accessible by a personal identification number (PIN) and are protected by an electronic intrusion detection system and a closed circuit TV network. PINs are available from faculty offices.

Inquiries

Safety and wellbeing

telephone +61 2 9514 1342, +61 2 9514 1063

email safetyandwellbeing@uts.edu.au

www.safetyandwellbeing.uts.edu.au

Security and emergencies

Dial 6 from any internal telephone or 1800 249 559 from mobile phones.

City campus, Broadway

telephone +61 2 9514 1192

City campus, Haymarket

telephone +61 2 9514 3399

Kuring-gai campus

telephone +61 2 9514 5551

email security.general@uts.edu.au

Sustainability

UTS has a strong commitment to sustainability across all areas of the University in research, teaching and learning, campus operations and community engagement.

Transport

UTS promotes sustainable transport with extensive links to trains, buses and light rail, a shuttle bus between campuses, a carpooling program, and bike parking with lockers and showers:

www.green.uts.edu.au/initiatives/transport

Recycling and waste

UTS has extensive recycling programs:

www.green.uts.edu.au/initiatives/recycling

Energy and climate change

The University has ambitious greenhouse gas reduction targets and energy efficiency initiatives underway:

www.green.uts.edu.au/initiatives/energy

City campus upgrade

Sustainability is at the core of the City Campus Master Plan, a $1 billion campus upgrade:

www.fmu.uts.edu.au/masterplan

Community engagement

Under the UTS Green banner, students and staff participate in a wide range of sustainability initiatives including events, games, competitions, films, etc.:

- www.green.uts.edu.au
- www.facebook.com/UTSGreen

UTS collaborates with corporate and community partners and is a member of the Australasian Campuses Towards Sustainability (ACTS).

Research

Sustainability research at UTS is trans-disciplinary in nature. Examples include the following:

- Institute for Sustainable Futures:
- www.isf.uts.edu.au
- Climate Change Research Cluster:
- www.c3.uts.edu.au
- Centre for Technology in Water and Waste:
- www.research.uts.edu.au/strengths/ctww

Teaching and learning

Sustainability is represented across all faculties and specific study can be undertaken across almost the entire range of degrees and disciplines:

www.green.uts.edu.au/about/teaching-learning

In addition, UTS administers the national sustainability teaching and learning resources hub:

www.sustainability.edu.au

Governance

The UTS Sustainability Strategy 2012–2015 is available as a downloadable PDF (319 kb) at:

www.green.uts.edu.au/about/sustainability-strategy/sustainabilitystrategy.html

PRINCIPAL DATES

January

1	Closing date (midnight) for UAC change of preference for January Round 1 UAC undergraduate offers
1	Enrolment period for new graduate research students for Autumn semester commences (to 31 March)[1]
1	New Year's Day – public holiday
1	Start of Autumn semester for graduate research students[1]
2	Summer session classes recommence (to 31 January)
3	UAC January Round 1 undergraduate offers e-released (from 7:30 am)
3	UTS Info Day, City campus, Broadway (9 a.m. to 4 p.m.)
4	Closing date (midnight) for UAC change of preference for main round (January Round 2) undergraduate offers
7	Enrolment of new students for Autumn semester 2014 commences (to 7 March)[1]
7	Supplementary centrally conducted examinations
8	Due date for payment for Summer session subjects
10	Last day to lodge application for review of final assessment result for Spring semester 2013
10	Release of results for December session 2013
13	Census date for Summer session subjects – last day to withdraw from subjects[3]
16	Main round (January Round 2) UAC undergraduate offers e-released (from 9 pm)
17	Deadline for continuing students to re-enrol in subjects for 2014 – late enrolment fee $250 applies from 18 January
23	Closing date (midnight) for UAC change of preference for January Round 3 UAC undergraduate offers
24	Last day to submit appeal against exclusion from Spring semester 2013
27	Australia Day – public holiday
27	NSW public school holidays end (commenced 23 December 2013)
30	UAC January Round 3 undergraduate offers e-released (from 9 pm)
31	Closing date (midnight) for UAC change of preference for February Round 1 UAC undergraduate offers
31	Closing date for applications for direct admission for specified undergraduate courses, and for remaining honours courses, non-award and cross-institutional enrolment in Autumn semester 2014
31	Closing date for applications for UTS Union EAP Housing Scholarship (Sports Scholarships)[2]
31	Summer session teaching ends for subjects with centrally conducted exams (commenced 2 December 2013)
31	Third round closing date for local postgraduate coursework applications for Autumn semester 2014

February

3–7	Centrally conducted examinations for Summer session
6	UAC February Round 1 undergraduate offers e-released (from 7:30 am)
10	Closing date (midnight) for UAC change of preference for February Round 2 undergraduate offers
10–21	Orientation for new students, City campus
12	UAC February Round 2 undergraduate offers e-released (from 7:30 am)
13	UTS Union Clubs and Activities Day, Kuring-gai campus
13–14	Orientation for new students, Kuring-gai campus
19	Release of results for Summer session
19	UTS Union O'day, City campus
21	Due date for payment of fees for continuing international students for Autumn semester 2014
21	UTS Union O'fest, City campus
24	Autumn semester classes commence
28	Closing date for applications for UTS Union Elite Athlete Program (Sports Scholarships)[2]

March

1	Late Orientation day for new students
7	Enrolment of new students for Autumn semester 2014 ends (commenced 7 January)[1]
7	Last date to apply for name change (for graduation program and on-stage pronunciation) and pay outstanding fees/fines owed to UTS for graduation at Autumn 2014 graduation ceremonies
7	Last day to be admitted to a course or enrol in (add) subjects for Autumn semester 2014[1]

10	March session commences (ends 18 April)
10	Mid semester centrally conducted examinations timetable available
12	Last date for students to have a status of passed displayed in MyStudentAdmin for graduation at Autumn 2014 graduation ceremonies
13	UTS Careers Fair
17	Due date for payment of fees for domestic fee-paying students for Autumn semester 2014
20	Graduation registration opens (closes 2 April)
21	Due date for payment of upfront or partial contributions for students in Commonwealth-supported Places for Autumn semester 2014
26	Due date for payment for March session subjects
31	Census date for Autumn semester and March session subjects – last day to withdraw from coursework subjects[3]
31	Closing date for applications for admission to postgraduate research courses from international students for Spring semester 2014
31	Enrolment of new graduate research students for Autumn semester ends (commenced 1 January)[1]

April

2	Graduation registration closes (opened 20 March)
7	Applications for internal course transfer for Spring semester 2014 open (close 30 June)
12–17	Mid semester centrally conducted examinations
14	Due date for payment of Student Services and Amenities Fee for Commonwealth supported, domestic fee-paying and international coursework students for Autumn semester 2014
14–25	NSW public school holidays
18	Good Friday – public holiday
18	March session ends (commenced 10 March)
21	Easter Monday – public holiday
21–25	Vice-Chancellor's Week, Autumn semester
25	ANZAC Day – public holiday
25	Release of results for March session
28	May session commences (ends 6 June)
30	Graduation ceremonies, City campus, commence (end 13 May)

May

1	Due date for payment for May session subjects
2	Examination timetable for centrally conducted examinations for Autumn semester available
6	Census date for graduate research degree thesis subjects[5]
6	Census date for May session subjects[3]
6	Last day for graduate research students to lodge application to change attendance pattern, withdraw, or take leave of absence from thesis subjects for Autumn semester
9	Last day to lodge an application for review of final assessment result for March session
13	Due date for payment of Student Services and Amenities Fee for domestic and international higher degree research students for Autumn semester 2014
13	Graduation ceremonies, City campus, end (commenced 30 April)
30	First round closing date for local postgraduate coursework applications for Spring semester 2014
31	Closing date for domestic postgraduate research degree applications for Spring semester 2014

June

6	Last teaching day of Autumn semester
6	May session ends (commenced 28 April)
7–27	Centrally conducted examinations for Autumn semester
9	Queen's Birthday – public holiday
12	Enrolment of new students for Spring semester 2014 commences (to 8 August)[1]
13	Release of results for May session
15	Closing date for applications for admission to undergraduate and postgraduate coursework from international students for Spring semester 2014
16	July session commences (end 25 July)
26	Due date for payment for July session subjects

27	Closing date for international exchange outbound applications
27	Farewell ceremony for international students completing studies in Autumn semester 2014
27	Last day to lodge an application for review of final assessment result for May session
30	Closing date for applications for internal course transfer for Spring semester 2014 (opened 7 April)
30	Closing date for direct applications for specified undergraduate courses and for non-award and cross-institutional enrolment in Spring semester 2014
30	Final closing date (midnight) for undergraduate UAC applications for Spring semester 2014
30	Final closing date for local postgraduate coursework applications for Spring semester 2014
30	Last day of Autumn semester for graduate research students
30	NSW public school holidays commence (end 11 July)

July

1	Census date for July session subjects[3]
1	Enrolment period for new graduate research students for Spring semester 2014 commences (to 31 August)[1]
1	Start of Spring semester for graduate research students
2	UAC undergraduate offers for Spring semester 2014 e-released (from 7:30 am)
2–5	International graduation ceremonies (offshore)
11	NSW public school holidays end (commenced 30 June)
16	Release of Autumn semester results
16	Undergraduate UAC offers for Spring semester 2014 e-released (for TAFE applicants completing TAFE qualifications mid-year) (from 7:30 am)
21–25	Orientation for new students
25	Due date for payment of fees for continuing international students for Spring semester 2014
25	July session ends (commenced 16 June)
25	Supplementary centrally conducted examinations
28	Spring semester classes commence
30	Last day to lodge an application for review of final assessment result for Autumn semester 2014
31	UTS Union Clubs Day

August

1	Last date to apply for name change (for graduation program and on-stage pronunciation) and pay outstanding fees/fines owed to UTS for graduation at Spring 2014 graduation ceremonies
1	Release of results for July session
2	Late Orientation day for new students
5	UTS Vacation, Internship, and Volunteer Fair
6	Applications available for undergraduate courses for Autumn semester 2015
8	Enrolment of new students for Spring semester 2014 ends (commenced 12 June)[1]
8	Last day to be admitted to a course or to enrol in (add) subjects for Spring semester 2014[1]
8	UTS Union Winterfest
11	August session commences (ends 19 September)
13	Last date for students to have a status of passed displayed in MyStudentAdmin for graduation at Spring 2014 graduation ceremonies
15	Due date for payment of fees for domestic fee-paying students for Spring semester 2014
15	Last day to lodge an application for review of final assessment result for July session
18	Mid semester centrally conducted examinations timetable available
19	Due date for payment of upfront or partial contributions for students in Commonwealth-supported Places for Spring semester 2014
20	Closing date for International Postgraduate Research Scholarships (IPRS)[2]
21	Graduation registration opens (closes 5 September)
24	Due date for payment for August session subjects
26–28	UTS In-Fusion Festival
29	Census date for Spring semester and August session subjects – last day to withdraw from coursework subjects[3]
30	UTS Open Day, City campus
31	Enrolment of new graduate research students for Spring semester 2014 ends (commenced 1 July)[1]

September

4	Applications available for direct admission for specified undergraduate courses, and for honours courses, non-award and cross-institutional enrolment for Autumn semester 2015
4	Applications available for postgraduate coursework programs for Autumn semester 2015
4	Applications for internal course transfer for Autumn semester 2015 open (close 12 December 2014)
5	Graduation registration closes (opened 21 August)
6	UTS Open Day, Kuring-gai campus
12	Due date for payment of Student Services and Amenities Fee for Commonwealth supported, domestic fee-paying and international coursework students for Spring semester 2014
19	August session ends (commenced 11 August)
20–26	Mid semester centrally conducted examinations
22	NSW public school holidays commence (end 6 October)
26	Release of results for August session
29	Graduation ceremonies, City campus, commence (end 7 October)
29	October session commences (ends 7 November)
29	Vice-Chancellor's week, Spring semester commences (ends 3 October)
30	Closing date for applications for admission to postgraduate research courses from international students for Autumn Semester 2015
30	Closing date for on-time undergraduate UAC applications (late application fees apply for Autumn semester after this date)

October

2	Due date for payment for October session subjects
3	Examination timetable for centrally conducted examinations for Spring semester available
3	Vice-Chancellor's week, Spring semester ends (commenced 29 September)
6	December session 2014 and Summer session 2015 timetable published online
6	Labour Day – public holiday
6	NSW public school holidays end (commenced 22 September)
7	Census date for graduate research degree thesis subjects[5]
7	Census date for October session subjects[3]
7	Graduation ceremonies, City campus, end (commenced 29 September)
7	Last day for graduate research students to lodge application to change attendance pattern, withdraw, or take leave of absence from thesis subjects for Spring semester
13	Last day to lodge an application for review of final assessment result for August session
14	Due date for payment of Student Services and Amenities Fee for domestic and international higher degree research students for Spring semester 2014
24	Closing date for Australian Postgraduate Awards, and University doctoral scholarships[2]
24	Closing date for postgraduate research degree applications for Autumn semester 2015
27	2015 University timetable published online
31	First-round closing date for local postgraduate coursework applications for Autumn semester 2015

November

7	Last teaching day of Spring semester
7	October session ends (commenced 29 September)
8–28	Centrally conducted examinations for Spring semester
14	Release of results for October session
17	December session commences (ends 26 December)
26	Due date for payment for December session subjects
28	Closing date for international exchange outbound applications
28	Farewell ceremony for international students completing studies in Spring semester 2014
28	Last day to lodge an application for review of final assessment result for October session

December

1	Census date for December session subjects[3]
1	Elite Athlete Program (Sports Scholarships) applications open[2]
1	Elite Athlete Program Housing Scholarship (Sports Scholarships) applications open[2]
1	Summer session commences (to 30 January 2015)
12	Closing date for applications for internal course transfer for Autumn semester 2015 (opened 4 September)
15	Closing date for application for admission to undergraduate and postgraduate coursework from international students for Autumn semester 2015
15	Examination timetable for centrally conducted examinations for Summer session available
17	Release of Spring semester results
22	NSW public school holidays commence (to 26 January 2015)
25	Christmas Day – public holiday
26	Boxing Day – public holiday
26	December session ends (commenced 17 November)
31	Last day of Spring semester for graduate research students
tba	Australian Tertiary Admission Ranks (ATARs) released by UAC4
tba	NSW Higher School Certificate (HSC) results released[4]

1. Enrolment for new coursework students occurs online or on campus during designated enrolment sessions. New students accept their offer via start.uts.edu.au Graduate research students should refer to the UTS: Graduate Research School website (www.gradschool.uts.edu.au).
2. Information about the application and closing dates for all scholarships is available on the scholarships website (www.sau.uts.edu.au/scholarships).
3. HECS-HELP, FEE-HELP, domestic award, and international fee payment information is available from the Student Administration website (www.sau.uts.edu.au/fees). Full financial liability applies after the census dates. For onshore and offshore census dates and details for all teaching periods, see Academic year dates.
4. Dates for the release of 2014 HSC results and ATARs to be confirmed. See NSW Government HSC website (www.nsw.gov.au/higher-school-certificate) and UAC website (www.uac.edu.au) for further information.
5. Census dates for research degree students are later in the year for Autumn and Spring semesters due to the flexible start dates for these students at UTS. Full financial and load liability applies after these census dates. More information is available at: www.gradschool.uts.edu.au

Note: Information is correct as at August 2013. The University reserves the right to vary any information described in Principal dates 2014 without notice.

ACADEMIC YEAR DATES

2014	
Onshore – Main teaching periods	
Summer session	
Teaching commences	Monday 2 December 2013
Christmas/New Year University recess	Wednesday 25 December 2013 – Wednesday 1 January 2014
Census date	Monday 13 January 2014
Teaching ends (for subjects with centrally conducted examinations)	Friday 31 January 2014
Centrally conducted examinations commence	Monday 3 February 2014
Centrally conducted examinations end	Friday 7 February 2014
Autumn semester	
Teaching commences	Monday 24 February 2014
Census date	Monday 31 March 2014
Vice-Chancellor's week	Monday 21 – Friday 25 April 2014
Teaching ends	Friday 6 June 2014
Centrally conducted examinations commence	Saturday 7 June 2014
Centrally conducted examinations end	Friday 27 June 2014
Spring semester	
Teaching commences	Monday 28 July 2014
Census date	Friday 29 August 2014
Vice-Chancellor's week	Monday 29 September – Friday 3 October 2014
Teaching ends	Friday 7 November 2014
Centrally conducted examinations commence	Saturday 8 November 2014
Centrally conducted examinations end	Friday 28 November 2014
Onshore and offshore – Short teaching periods	
March session	
Session commences	Monday 10 March 2014
Census date	Friday 31 March 2014
Session ends	Friday 18 April 2014
May session	
Session commences	Monday 28 April 2014
Census date	Tuesday 6 May 2014
Session ends	Friday 6 June 2014
July session	
Session commences	Monday 16 June 2014
Census date	Tuesday 1 July 2014
Session ends	Friday 25 July 2014
August session	
Session commences	Monday 11 August 2014
Census date	Friday 29 August 2014
Session ends	Friday 19 September 2014
October session	
Session commences	Monday 29 September 2014
Census date	Tuesday 7 October 2014
Session ends	Friday 7 November 2014
December session	
Session commences	Monday 17 November 2014
Census date	Monday 1 December 2014
Session ends	Friday 26 December 2014

Offshore only – Other teaching periods	
January to March semester	
Semester commences	Monday 16 December 2013
Census date	Monday 13 January 2014
Semester ends	Friday 21 March 2014
March to May semester	
Semester commences	Monday 3 March 2014
Census date	Monday 31 March 2014
Semester ends	Friday 6 June 2014
May to July semester	
Semester commences	Monday 14 April 2014
Census date	Tuesday 6 May 2014
Semester ends	Friday 18 July 2014
July to September semester	
Semester commences	Monday 2 June 2014
Census date	Monday 1 July 2014
Semester ends	Friday 5 September 2014
August to October semester	
Semester commences	Monday 4 August 2014
Census date	Friday 29 August 2014
Semester ends	Friday 7 November 2014
October to December semester	
Semester commences	Monday 15 September 2014
Census date	Tuesday 7 October 2014
Semester ends	Friday 19 December 2014
December to February semester	
Semester commences	Monday 3 November 2014
Census date	Monday 1 December 2014
Semester ends	Friday 6 February 2015

Note: Unless otherwise specified for particular subjects, all examinations are conducted within the teaching period. Different census dates apply for graduate research students (see www.gradschool.uts.edu.au).

2015	
Onshore – Main teaching periods	
Summer session	
Teaching commences	Monday 1 December 2014
Christmas/New Year University recess	Tuesday 25 December 2014 – Thursday 1 January 2015
Census date	Monday 12 January 2015
Teaching ends (for subjects with centrally conducted examinations)	Friday 30 January 2015
Centrally conducted examinations commence	Monday 2 February 2015
Centrally conducted examinations end	Friday 6 February 2015
Autumn semester	
Teaching commences	Monday 23 February 2015
Census date	Tuesday 31 March 2015
Vice-Chancellor's week	Monday 20 – Friday 24 April 2015
Teaching ends	Friday 5 June 2015
Centrally conducted examinations commence	Saturday 6 June 2015
Centrally conducted examinations end	Friday 26 June 2015
Spring semester	
Teaching commences	Monday 27 July 2015
Census date	Friday 31 August 2015
Vice-Chancellor's week	Monday 28 September – Friday 2 October 2015
Teaching ends	Friday 6 November 2015
Centrally conducted examinations commence	Saturday 7 November 2015
Centrally conducted examinations end	Friday 27 November 2015
Onshore and offshore – Short teaching periods	
March session	
Session commences	Monday 9 March 2015
Census date	Tuesday 31 March 2015
Session ends	Friday 17 April 2015
May session	
Session commences	Monday 27 April 2015
Census date	Tuesday 5 May 2015
Session ends	Friday 5 June 2015
July session	
Session commences	Monday 15 June 2015
Census date	Wednesday 1 July 2015
Session ends	Friday 24 July 2015
August session	
Session commences	Monday 10 August 2015
Census date	Monday 31 August 2015
Session ends	Friday 18 September 2015
October session	
Session commences	Monday 28 September 2015
Census date	Tuesday 6 October 2015
Session ends	Friday 6 November 2015
December session	
Session commences	Monday 16 November 2015
Census date	Tuesday 1 December 2015
Session ends	Friday 25 December 2015

Offshore only – Other teaching periods	
January to March semester	
Semester commences	Monday 15 December 2014
Census date	Monday 12 January 2015
Semester ends	Friday 20 March 2015
March to May semester	
Semester commences	Monday 2 March 2015
Census date	Tuesday 31 March 2015
Semester ends	Friday 5 June 2015
May to July semester	
Semester commences	Monday 13 April 2015
Census date	Tuesday 5 May 2015
Semester ends	Friday 17 July 2015
July to September semester	
Semester commences	Monday 1 June 2015
Census date	Wednesday 1 July 2015
Semester ends	Friday 4 September 2015
August to October semester	
Semester commences	Monday 3 August 2015
Census date	Monday 31 August 2015
Semester ends	Friday 6 November 2015
October to December semester	
Semester commences	Monday 14 September 2015
Census date	Tuesday 6 October 2015
Semester ends	Friday 18 December 2015
December to February semester	
Semester commences	Monday 2 November 2015
Census date	Tuesday 1 December 2015
Semester ends	Friday 5 February 2016

Note: Unless otherwise specified for particular subjects, all examinations are conducted within the teaching period. Different census dates apply for graduate research students (see www.gradschool.uts.edu.au).

COURSE AREA INFORMATION

UTS: BUSINESS

Information for students

UTS: Business is located on two campuses: City campus (Haymarket) and Kuring-gai campus (Lindfield).

UTS: Business courses are administered by the UTS Business School. The business school consists of five discipline groups: Accounting; Economics; Finance; Management; and Marketing.

All postgraduate courses are administered by the Graduate School of Business.

Location, contacts and inquiries

Student Centre, Haymarket

The Student Centre, Haymarket manages the student administration activities of the faculty and is responsible for a broad range of activities including admission, enrolment, graduation, course information, promotion and student matters.

See also the business school website at:

www.business.uts.edu.au

Undergraduate inquiries

Student Centre, Haymarket

CM05C.1.3
Level 1, Building 5
Quay Street, Haymarket
telephone +61 2 9514 3500 and +61 2 9514 1222
fax +61 2 9514 3654 and +61 2 9514 1200
Ask UTS www.ask.uts.edu.au

Postal address

UTS Student Centre
University of Technology, Sydney
PO Box 123
Broadway NSW 2007
www.sau.uts.edu.au

Student Centre, Kuring-gai

KG01.5
Foyer, Level 5, Building 1
Eton Road, Lindfield
telephone +61 2 9514 5355 and +61 2 9514 1222
fax +61 2 9514 5398 and +61 2 9514 1200
Ask UTS www.ask.uts.edu.au

Postal address

UTS Student Centre
University of Technology, Sydney
PO Box 123
Broadway NSW 2007
www.sau.uts.edu.au

Graduate inquiries

Student Centre, Haymarket

CM05C.5.25
Level 5, Building 5
Quay Street, Haymarket
telephone +61 2 9514 3660 and +61 2 9514 1222
fax +61 2 9514 3554 and +61 2 9514 1200
Ask UTS www.ask.uts.edu.au
www.gsb.uts.edu.au

Postal address

UTS Student Centre
University of Technology, Sydney
PO Box 123
Broadway NSW 2007

Executive Development Unit

CM05B.4.31
Quay Street, Haymarket
telephone +61 2 9514 3504
fax +61 2 9514 3510
email executive.development@uts.edu.au
www.gsb.uts.edu.au/edu

Office hours

9am–5pm Monday to Friday

Discipline Group offices

All discipline group offices are open 9am–5pm Monday to Friday.

Inquiries regarding lectures, assignments and the consultation times of lecturers on both campuses should be directed to the discipline group offices during business hours.

Accounting Discipline Group

City campus

CM05C.3.1
Quay Street, Haymarket
telephone +61 2 9514 3560
fax +61 2 9514 3669

Kuring-gai campus

KG04.6.1
Eton Road, Lindfield
telephone +61 2 9514 5585
fax +61 2 9514 5515

Economics Discipline Group

City campus

CMO5D.3.53
Quay Street, Haymarket
telephone +61 2 9514 7777
fax +61 2 9514 7711

Kuring-gai campus

KG04.6.1
Eton Road, Lindfield
telephone +61 2 9514 5460
fax +61 2 9514 5515

Finance Discipline Group

City campus

CMO5D.3.53
Quay Street, Haymarket
telephone +61 2 9514 7777
fax +61 2 9514 7711

Kuring-gai campus

KG04.6.1
Eton Road, Lindfield
telephone +61 2 9514 7777
fax +61 2 9514 7711

Management Discipline Group

City campus

CM05C.4.27
Quay Street, Haymarket
telephone +61 2 9514 3614
fax +61 2 9514 3602

Kuring-gai campus

KG04.5.2A
Eton Road, Lindfield
telephone +61 2 9514 5311
fax +61 2 9514 5583

KG01.6.84

Eton Road, Lindfield

telephone +61 2 9514 5497

fax +61 2 9514 5195

Marketing Discipline Group

City campus

CM05C.2.2

Quay Street, Haymarket

telephone +61 2 9514 3522

fax +61 2 9514 3535

Graduate attributes

A graduate from the UTS Business School is expected to possess the following attributes:

- **Business knowledge and concepts**: be able to operate effectively with business knowledge of sufficient depth in different professions, industry and society, both locally and globally.
- **Critical thinking, creativity and analytical skills**: be able to apply and demonstrate critical and analytical skills, and innovation in business practice.
- **Communication and Interpersonal skills**: be able to use communication skills (reading/writing and listening/speaking) to work with others and be self reflective.
- **Attitudes and values**: have an awareness of obligations and responsibilities in business and their impact.
- **Business practice-oriented skills**: be able to integrate generic, technical and professional skills including being proficient in technology, to operate effectively in various industry contexts with the capacity to anticipate and respond to change.

These graduate attributes overarch each of the Business School's undergraduate and postgraduate programs, but each of these programs in turn have their own distinct set of graduate attributes, known as learning goals, which need to be assured as part of the Business School's AACSB accreditation, through a set of aligned learning objectives.

AIESEC

AIESEC is the world's largest student organisation. Existing in 110 countries around the world and with over 38,000 members, AIESEC aims to promote cultural awareness and international understanding, develop practical managerial skills for its members and bridge the gap between students, academics and the business sector.

It is AIESEC's membership base of determined and committed students who contribute to changing people's lives and developing themselves as leaders. This is achieved through activities such as AIESEC's international exchange programs, team building, marketing, project management and national and international conferences. AIESEC also provides opportunities to gain business contacts and make new friends.

AIESEC provides students with the ability not only to do something for themselves, but also to have an impact on the lives of people around the world in many different ways.

Further information on exchange and membership is available at:

CM05B.1.06

City campus, Haymarket

email aiesec.uts@aiesec.net

www.aiesec.org

Short business courses and executive development

UTS: Business offers a range of executive development programs and short, intensive courses in specialist professional topics. Executive certificate programs are offered in banking, business accounting, business management, economics, event management, finance, financial analysis, insurance, leadership, leisure and tourism, marketing, project management and quantitative finance. In addition to its advertised programs, UTS: Business also develops in-house programs tailored to specific corporate needs. Business specialists within UTS: Business also co-create customised programs with corporate leaders using problem-solving and strategic design techniques to advance their talent, operations and competitive edge.

Further information is available from:

Executive Development Unit

telephone +61 2 9514 3504

fax +61 2 9514 3510

email executive.development@uts.edu.au

www.gsb.uts.edu.au/edu

Undergraduate course information

UTS: Business offers a wide range of courses spanning the traditional disciplines of accounting, economics, finance, management and marketing.

Additional rules of importance to undergraduate coursework students

Credit recognition (exemptions)

Students who are enrolled in UTS: Business courses and who have previously studied at another university or other recognised tertiary educational institution may be eligible for credit recognition in the form of subject exemptions, if the subjects previously studied are deemed by UTS: Business to be equivalent to those specified for their course.

Requests for exemptions for more than one-third and up to two-thirds of the degree may be considered by the Business School Board. Students are required to apply for exemptions at enrolment in their first semester of study. If a student wishes to request exemptions after their first semester of study they are advised to make an appointment with a student adviser in the student centre either at Haymarket or Kuring-gai.

Students should note that exemptions given in one course at UTS will not necessarily be transferred to another course at UTS after a successful internal course transfer has occurred.

Further information on credit recognition for undergraduate students in UTS: Business is available at:

www.business.uts.edu.au/student/admin/rpl/

Further details can also be obtained from the Student Centres at Haymarket and Kuring-gai.

Credit recognition forms are available at:

www.sau.uts.edu.au/forms

Internal course transfer

While students may gain entry to a particular course, they may choose to apply for entry to a different course within the field of business. Where a student articulates from one level of study to another, only one testamur is issued. Further information is available from the Student Centre, Haymarket.

Students from combined degrees: Students in combined degrees should normally graduate from their combined degree at one ceremony, though receiving two testamurs.

If a student wishes to graduate with the Bachelor of Business only, the student should meet one of the following criteria:

- a UAI/ATAR score equivalent or higher to the entry level for the year they began their studies, or
- the standard internal course transfer criteria, that includes an overall credit average and a minimum of 48 credit points of completed study.

If a student is successful in transferring to the single Bachelor of Business degree, the student must satisfy the academic and credit point requirements of the Bachelor of Business, which are:

- 48 credit points comprising business core subjects
- 48 credit points comprising a first business major subject
- 48 credit points comprising either a second business major; or two sub-majors; or one sub-major and four electives.

Internal course transfer information and forms are available at:

www.sau.uts.edu.au/enrolment/course/transfer

Academic progression

All students are expected to meet minimum academic requirements. Students must pass 50 per cent of the credit points in which they are enrolled each half year. If this requirement is not met, students are placed on academic caution. During a period of academic caution,

usually one half year, a student must consult with the designated academic course advisers from the relevant faculty for advice on their study plan; attend a study skills workshop program organised by the Student Services Unit; and enrol in no more than 24 credit points for the semester to which the period of academic caution applies.

Further information about academic caution is available at:

www.sau.uts.edu.au/academic/caution.html

Majors and sub-majors

To have a major or sub-major noted on a final transcript, students must complete at least 75 per cent of the subjects in that major or sub-major at UTS; the other 25 per cent of the subjects may be given as credit recognition from previous studies at another university (subject to approval), under any approved undergraduate course.

Policy on subject substitution

Where there is an overlap of a subject between majors and sub-majors, students must substitute an undergraduate subject chosen from within the particular discipline (subject to approval). The subject chosen should enable students to meet the objectives of the relevant major(s) or sub-major(s) and make up the required number of credit points. Students are still required to meet normal prerequisite conditions in choosing a substitute subject. As some majors have specific substitution rules, students should refer to the information on specific majors.

Students must apply for subject substitution before undertaking the subject. Subject substitution forms are available from the Student Centre, Haymarket and must be submitted back at the Student Centre, Haymarket at least four weeks before the start of the semester of intended study.

Electives

When choosing electives, students should be aware that all prerequisites must be met and that no elective may be materially similar to other subjects taken as part of the student's undergraduate degree. Students who wish to undertake cross-faculty electives within UTS, or do concurrent study with other universities, should seek approval from UTS: Business. UTS: Business reserves the right to approve a student's choice of electives. Students are accommodated in subjects depending on the availability of class places.

Students from other faculties applying to undertake business electives

Students from other faculties may undertake subjects offered by UTS: Business as an elective if they have met all the prerequisites. Students are accommodated in subjects depending on the availability of class places. It is the responsibility of students to ensure that their own faculty approves their choice of business elective(s) according to the requirements of the program in which they are enrolled.

Semester load

Full-time study is usually undertaken at the normal load of 24 credit points a semester. Students who wish to undertake more than the normal full-time load in one semester must have their study plan endorsed by a student adviser from the Student Centre, Haymarket. Part-time study is usually undertaken at the normal rate of 12 credit points a semester. Note that there are set criteria before approval can be granted to exceed the normal full-time load.

Attendance

Most courses are offered part time (one or two subjects a semester) or full time (three or four subjects a semester). Up to an extra two subjects (if offered) may be taken in Summer session to fast-track study. Local students may attend part time or full time. International students must enrol in a minimum of four subjects a semester to meet Department of Immigration and Citizenship requirements, and a maximum of four subjects a semester.

Subject attendance requirements

Students are required to be punctual and regular in attendance for all classes in the subjects in which they are enrolled.

It is the student's responsibility to study all material provided, or required to be accessed, to maximise their chance of meeting the objectives of the subject and to be informed of subject-related activities and administration.

International students in Australia are advised to attend all classes. Failure to attend may infringe conditions of the student visa.

Information on the campus, day and time that individual subjects are offered is available from the UTS timetable at:

http://timetable.uts.edu.au

Forms

All undergraduate forms are available at:

www.sau.uts.edu.au/forms

Majors

A major consists of 48 credit points of study (eight 6-credit-point subjects) in a related area.

Students enrolled in the Bachelor of Engineering Bachelor of Business (C10065) (see page 151); Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice (C10068) (see page 160); Bachelor of Business Bachelor of Laws (C10125) (see page 184); Bachelor of Biotechnology Bachelor of Business (C10169) (see page 218); Bachelor of Medical Science Bachelor of Business (C10163) (see page 214); Bachelor of Science Bachelor of Business (C10162) (see page 209); Bachelor of Business Bachelor of Computing (C10219) (see page 231); or any other combined degree, are ineligible to undertake the Information Technology major in the Bachelor of Business component of the combined degree. Students enrolled in these courses are required to complete a business major offered by a school or schools within UTS: Business. Majors are listed below.

Note: Details of the subjects within each major are provided in the study package directory.

- Accounting (MAJ08437)
- Economics (MAJ09209)
- Finance (MAJ08440)
- Financial Services (MAJ08068)
- Human Resource Management (MAJ08446)
- International Business (MAJ08442)
- Management (MAJ08438)
- Marketing (MAJ08441)
- Marketing Communication (MAJ08116)

Second major only:

- Business Law (MAJ09401)
- Information Technology (MAJ02041)
- Sport Management (MAJ08445)
- Tourism Management (MAJ08443)

Extended majors

An extended major consists of 72 credit points of study (12 6-credit-point subjects). An extended major in the Bachelor of Business allows students the option of pursuing a highly specialised study in one discipline area while still undertaking a cross-disciplinary year of study. Extended majors are listed below.

Note: Details of the subjects within each extended major are provided in the study package directory.

- Extended Economics (MAJ09402)
- Extended Finance (MAJ08060)
- Extended Management (MAJ08046)
- Extended Marketing (MAJ08063)

Sub-majors

A sub-major consists of 24 credit points of study in a related area. Sub-majors are available to all students except where specified.

It should be noted that not all subjects are offered in every semester and that not all sub-majors are available at both campuses. Sub-majors are listed below.

Note: Details of the subjects within each sub-major are provided in the study package directory.

- Advanced Advertising (SMJ08131)
- Advertising (SMJ08137)
- Economics (SMJ09028)
- Econometrics (SMJ09058)
- Event Management (SMJ08203)
- Finance (SMJ08123)
- Financial Planning (SMJ08214)
- Financial Reporting (SMJ08116)
- Human Resource Management (SMJ08128)
- International Accounting (SMJ08117)

- International Management (SMJ08129)
- Management (SMJ08130)
- Management Consulting (SMJ08109)
- Management Reporting (SMJ08195)
- Marketing (SMJ08138)
- Marketing Research (SMJ08132)
- Small Business Accounting (SMJ08120)
- Sport Management (SMJ08126)
- Strategic Marketing (SMJ08204)
- Tourism Management (SMJ08127)

Faculty-wide: international exchange

- International Business Studies (SMJ08139)

Sub-majors offered by other faculties

Faculty of Arts and Social Sciences

- Human Resource Development (SMJ08141)
- International Studies (SMJ09034)
- Language Other Than English (LOTE) (SMJ09035)
- Public Relations (SMJ08211)
- Specialist Country Studies (SMJ09036)

Faculty of Engineering and Information Technology

- Business Information Systems (SMJ02036)
- Information Technology (SMJ02037)

Faculty of Law

- Business Law (SMJ09030)
- Taxation Law (SMJ09033)

Faculty of Science

- Mathematics (SMJ01007)
- Quantitative Management (SMJ01025)
- Statistics (SMJ01009)

Postgraduate course information

UTS: Business offers a range of master's degrees, graduate diplomas and graduate certificates by coursework. In addition, doctoral programs and research masters (by thesis) programs are also offered.

Further information and general inquiries on postgraduate course information is available from the Student Centres (see page 50) at Haymarket and Kuring-gai.

Postgraduate coursework

Exemptions

Exemptions are granted on the basis of the successful completion of equivalent subjects from recent undergraduate or recent postgraduate studies. Students should lodge an application for subject exemption form if they wish to apply for exemptions from subjects within their enrolled course.

Postgraduate subject exemptions are not normally granted where prior studies were undertaken more than 10 years previously. Postgraduate subject exemptions are also not granted for prior sub-degree TAFE studies.

UTS: Business subject exemption forms for postgraduate students are available at:

www.gsb.uts.edu.au/student/rpl

Exemptions from electives are considered only for prior postgraduate studies. Students who have completed a UTS: Business honours degree or equivalent as determined by the head of the UTS Graduate School of Business may be eligible for up to an additional four subjects (to a maximum of 24 credit points) of exemptions where equivalent coursework subjects exist.

The maximum number of subject exemptions allowed in each course under the UTS: Business policy is detailed below.

Graduate certificates

Exemptions are not permitted except where an exemption has been approved for a specified UTS executive development course.

Graduate diplomas

A maximum of five subject exemptions is permitted, of which two core subjects can be approved from prior undergraduate study.

Master's degrees (excluding MBA)

A maximum of eight subject exemptions is permitted, of which four core subjects can be approved from prior undergraduate study.

MBA

A maximum of 10 subject exemptions is permitted, of which four core subjects can be approved from prior undergraduate study. Exemptions will not be permitted for the subjects 21715 Strategic Management and 21878 Studies in Business Communication.

Articulation

While courses are offered as stand-alone qualifications they are also components of integrated programs of study that enable students who satisfactorily complete a graduate certificate or graduate diploma to apply for entry to a higher-level course within their chosen field of study. Where a student articulates from one level of study to another, only one testamur is issued. Further information is available from the Graduate School of Business.

Internal course transfer forms are available at:

www.sau.uts.edu.au/forms

Progression

Postgraduate students will have their enrolment discontinued if they fail:

- two subjects in a graduate certificate
- three subjects in a graduate diploma
- four subjects in a master's degree, or
- five subjects in the MBA.

Postgraduate students are advised that there is a maximum time to complete their course requirements (see rule 10.5).

Electives

Postgraduate students are not permitted to undertake undergraduate subjects, including language subjects, as electives in any UTS: Business postgraduate program. Students may only choose and enrol in postgraduate subjects as electives.

Majors and sub-majors

To have a major or sub-major noted on a final transcript, students must complete at least 75 per cent of the subjects in that major at UTS, under any approved postgraduate course.

Semester load

Full-time study is usually undertaken at the normal load of 24 credit points a semester. Students who wish to undertake more than the normal full-time load in one semester must have their study plan endorsed by a student adviser from the Student Centre, Haymarket.

Part-time study is usually undertaken at the normal rate of 12 credit points a semester.

Attendance

Postgraduate UTS: Business degrees are offered on campus only, but some subjects are also offered in block mode. The usual attendance for each subject is three hours a week, while subjects offered in block mode usually involve five or six full days of attendance spread over the semester.

Most degrees are offered part time (one or two subjects a semester) or full time (three or four subjects a semester). An extra two subjects (if offered) may be taken in Summer session to fast-track study.

Local students may attend part time or full time. International students must enrol in four subjects a semester to meet Department of Immigration and Citizenship requirements.

Subject attendance requirements

Students are required to be punctual and regular in attendance for all classes in which they are enrolled. It is the student's responsibility to study all material provided, or required to be accessed, to maximise their chance of meeting the objectives of the subject and to be informed of subject-related activities and administration.

International students in Australia are advised to attend all classes at their campus. Failure to attend may infringe on the conditions of the student visa.

Information on the campus, day and time that individual subjects are offered is available from the UTS timetable at:

http://timetable.uts.edu.au

Forms

Most postgraduate forms are available at:

www.sau.uts.edu.au/forms

Credit recognition (exemption) and graduation forms, which are faculty-specific, are available at:

www.gsb.uts.edu.au/student/rpl

Postgraduate research

Admission requirements

To be eligible for admission to the UTS Business School's Doctor of Philosophy program an applicant should:

- hold a relevant bachelor's degree with first or second class honours (division 1)
- hold a master's (by thesis) degree
- possess an equivalent qualification, or
- be a graduate of at least two years' standing of this University or another tertiary institution, whose research publications and written reports on work satisfy the Academic Board that the applicant has the ability and experience to pursue their proposed course of study.

Each applicant is required, prior to application, to contact the UTS Business School research office with a thesis area or topic and seek appropriate supervision. Applicants are also required to submit a brief thesis proposal with their application.

Course structure

Based on the candidate's proposed area of research the University allocates a supervisory panel with expertise in this area.

While candidates with an insufficient background in research methods and/or theoretical knowledge in the core fields of study may be required to do some coursework, the final assessment for the degree is based on submission of a thesis of approximately 50,000–70,000 words. The thesis is examined by three examiners, of who at least two are external to the University, and are experts in the area of research addressed in the thesis. Guidelines for presentation and submission of the thesis are available from the UTS: Graduate Research School.

Both the candidate and the candidate's principal supervisor are required to submit progress reports at the end of each semester. In addition, a student's candidature is assessed before or at the end of the first two semesters of candidature in the case of a full-time student, or the first three semesters in the case of a part-time student. The following components, considered by a review panel, constitute the assessment: satisfactory semester progress reports, successful completion of prescribed coursework prior to the assessment, a written thesis proposal, and an oral seminar on the research topic and written proposal.

A student who does not satisfy the requirements for the assessment is not permitted to proceed with their candidature unless, with the approval of the Academic Board, the student is invited to re-attempt the assessment.

Contacts and inquiries

UTS Business School Research Office

telephone +61 2 9514 3691

fax +61 2 9514 3513

email research.business@uts.edu.au

www.business.uts.edu.au

UTS: COMMUNICATION

Information for students

UTS: Communication offers degrees by coursework and degrees by research — these two study areas have separate information and administration services available to students.

The UTS Student Centre provides student administration services to coursework students. It coordinates a wide range of activities including enrolment, identification of potential graduands, processing of student leave applications, special consideration applications and variation of programs via e-requests.

The research degrees administrator provides similar assistance to postgraduate research students.

Location, contacts and inquiries

UTS Student Centre

CB01.4 (foyer, Building 1)

City campus

15 Broadway

Ultimo NSW 2007

telephone 1300 ask UTS (1300 275 887) and +61 2 9514 2300

Ask UTS www.ask.uts.edu.au

www.communication.uts.edu.au

Research Degrees Administrator

CB10.5.340

City campus

Broadway NSW 2007

telephone +61 2 9514 4512

email hss.researchdegrees@uts.edu.au

www.communication.uts.edu.au/research

Statement on scholarly work and its presentation

Scholarly work involves working with texts by authors in different fields. These authors have intellectual property rights to their work, so in the scholarly process of quotation, commentary, paraphrase and interpretation, specific rules or protocols must be observed. These apply to audiovisual texts as well as to writing.

In the production of work by students in UTS: Communication, the protocol to be observed is the acknowledgment of the work of other authors, whether this work takes the form of an idea, a section of text, sounds or images. Unacknowledged copying, paraphrasing or summarising can be considered plagiarism if it is 'passed off as one's own' (*The Macquarie Dictionary*, 2009). Work involving plagiarism is not accepted for assessment and may be the subject of disciplinary action.

Conventions for acknowledgment are well established but take different forms. It is the responsibility of students to familiarise themselves with these conventions and to use them. Snooks and Co., *Style Manual for Authors, Editors and Printers*, 6th edn (revised), Wiley, 2002, is useful.

Other sites that outline issues in using information appropriately can be found at:

www.lib.uts.edu.au/help/study-skills

International exchange and study abroad

Local students

Students at UTS can study overseas as part of their degree through either the international exchange program or by study abroad.

Students accepted into the international exchange program can study at an institution with which UTS has a student exchange agreement or memorandum of understanding and the student pays through HECS-HELP.

Further information about the international exchange program is available at:

www.uts.edu.au/international/exchange/going/apply

Students undertaking study abroad at an overseas institution enrol at that university and pay full fees to that institution.

International students

UTS: Communication welcomes students from around the world. Our courses reflect Australia's multicultural character and its cultural, commercial, media and technological links to other countries and communities. UTS is committed to the internationalisation of all its courses, which prepare students for fulfilling lives and productive careers in a globalised world. A number of staff in UTS: Communication have lived and studied overseas and maintain international connections in the arts, media, business and research.

UTS: International provides information and assistance for prospective international students. Further details are available at:

www.uts.edu.au/international

Exchange and study abroad

Students who are already enrolled in an overseas university course and who wish to study in Australia for one or two semesters can enrol in subjects through international exchange or study abroad arrangements. Exchange students come from institutions with which UTS has a student exchange agreement and pay fees through their home institution. Study abroad students apply directly and pay fees to UTS as their university does not have a formal exchange agreement.

Subject selection

Undergraduate students can apply to enrol in subjects listed in the individual undergraduate programs. Note that access to subjects in media arts and production is restricted to students who have already completed introductory subjects in these areas at their home institution.

Postgraduate students can select from the range of subjects listed in individual postgraduate programs.

Students must meet the subject prerequisite requirements indicated in the subject descriptions. Students are also advised to ensure that the subjects they select satisfy course requirements at their home institution.

Undergraduate and postgraduate courses

International students can apply for any of the full-time courses offered by UTS: Communication that appear in this handbook.

Australian Language and Culture Studies

The Australian Language and Culture Studies program provides English language development through the study of Australian society and culture. Subjects may be undertaken only by study abroad or exchange students who have an English language test score lower than the UTS entry requirement.

The English proficiency requirement for international students or local applicants with international qualifications is IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 64-80 overall with a writing score of 17.

Students may study subjects in the program for one semester then take an IELTS or TOEFL test. Students who then meet the UTS entry requirements can enrol in UTS faculty subjects for the second semester via UTS Exchange. The subjects available in the program are:

- 59709 Australian Conversations
- 59710 Performing Australia
- 59711 Natural Australia
- 59712 Australian Language Studies
- 59713 Australian Media
- 59714 Australians at Work

Further information is available from UTS: International:

telephone + 61 2 9514 1798

fax + 61 2 9514 7843

email studyabroad.exchange@uts.edu.au

www.uts.edu.au/future-students/international

Short courses and continuing professional education (CPE)

UTS: Communication regularly offers in-house short courses, seminars, workshops, organisational training and other professional development programs.

Short course programs are available in:

- advertising (UTS/AFA AdSchool)
- journalism and writing (Australian Centre for Independent Journalism)
- creative writing (UTS Centre for New Writing)
- pro tools sound design (UTS Pro School), and
- media presentation skills (Australian Centre for Public Communication).

New programs are constantly in development. Further information is available from:

www.communication.uts.edu.au/courses/short.html

Undergraduate course information

Applications

All non-current school leavers are selected through an assessment of academic merit. For further information see UTS: Communication selection criteria at:

www.undergraduate.uts.edu.au/apply

Areas of study

The undergraduate program is based on a subject bank of about 70 subjects designed for undergraduate students seeking both a general and professionally focused university education.

Courses are offered in the following areas:

- information and media
- journalism
- media arts and production
- public communication
- social inquiry
- creative writing
- digital and social media
- cultural studies.

Course structure

Students must complete 144 credit points consisting of 48 credit points of core subjects, a 48-credit-point major, a 24-credit-point sub-major, and 24 credit points of electives.

- core: a set of communication subjects running vertically through three years
- major: a set of specialist subjects belonging to the area of study and running vertically through three years
- sub-major: a study sequence of three subjects that relate to a particular field of study
- electives: a choice of subjects from UTS: Communication or from subjects offered by other course areas.

All UTS: Communication courses can be combined with international studies or law.

Students who excel in their degree have the option of studying the Bachelor of Arts (Honours) after three years.

Core subjects

UTS: Communication core subjects (STM90550) are designed to give students the essential skills and knowledge required by every communication graduate.

Through the core subjects, students examine the foundations of communication and develop their professional practice or craft through new technologies as well as existing traditional mediums.

Each core subject engages students in critical examinations and reflections of key communication concepts, preparing them to work with a real-world client in their capstone subject.

Majors

Each major integrates theory and practice and is designed to provide the specialist skills and knowledge required by an entrant to a particular industry or creative practice. Major subjects maintain a critical focus on industry while allowing students to develop the well-rounded expertise needed by practitioners in the next decade.

The first three subjects in a major lay the foundation for understanding and working within a particular field. The last three subjects challenge students to develop the confidence and expertise employers demand.

There are eight majors offered by UTS: Communication:

- Information and Media (MAJ10023): This interdisciplinary major prepares students for work in a variety of creative information design and management roles. Students develop an understanding of the interrelationships between people, information and communication technologies, as well as practical skills in areas such as web design and architecture, media research and writing information and media content for diverse audiences. Students create a portfolio of products including blogs, podcasts, websites, databases as well as audience and user analyses.
- Journalism (MAJ10020): This major is designed to meet the essential practical skills and theoretical knowledge needed for a career in journalism. Students gain an understanding of the crucial role that journalists play in creating a democratic public sphere, providing a forum for debate and giving voice to diverse communities. This major equips students with advanced research, writing, reporting and analytical skills for print, television, radio and online media; and knowledge of the intellectual, ethical and political foundations of journalism.
- Media Arts and Production (MAJ10021): Highly regarded in the industry, this major has a history of award-winning students and graduates. Students develop production skills in video, sound and new media, and enhance their creative innovation in these areas. Students are encouraged to evolve as creative directors and producers of media projects, as well as develop their technical proficiency specifically in one media area. By the time students graduate, they should have a professional portfolio of creative production work.
- Public Communication (MAJ10024): This major has a focus on professional communication careers including public relations and advertising. Students explore the communication contexts for these practices — cultural, social and political. Students develop their professional skills in campaign design and production, copywriting, media liaison and writing, research and evaluation, sponsorship and event management. Students have the option of completing a Public Relations stream (STM90716) or an Advertising stream (STM90715) in this major. Assignments provide material for a portfolio when they graduate.
- Social Inquiry (MAJ09395): Flexible, rigorous and professionally focused, this major is for students interested in social issues and developing the skills to participate effectively in social change. Students explore cross-cultural, international and local perspectives affecting society, and gain a broad range of skills and knowledge that prepares them for a variety of professions in the diverse fields of social science, media and communication.
- Creative Writing (MAJ10037): In this major students gain practical experience and theoretical engagement in the discipline of contemporary creative writing. They apply their skills across a number of key genres and narrative forms. An emphasis on critical skills leading towards the development of independent writing projects prepares students for professional practice.
- Digital and Social Media (MAJ10038): In this major studies focus on capacities for imaginative, synthetic and analytical thinking and communication, as well as practical skills in digital communication across diverse technological platforms and environments. Graduates are technologically literate, analytically sophisticated, innovative and resourceful leaders for the rapidly evolving digital communications industries.
- Cultural Studies (MAJ09427): In this major the focus is on the development of new critical, methodological and creative ways for understanding contemporary society. It aims to produce graduates with a set of research skills and cultural knowledge that can be applied in a wide variety of roles within the communication sector. Studies focus on practical and applicable skills in digital and archival research, cultural analysis and critique, intercultural communication and creative thinking with collaborative teamwork.

Sub-majors

A sub-major is a study sequence of three subjects that relate to a particular field of study. Sub-majors allows students to develop expertise in exciting new directions, broadening their knowledge and enriching the sophistication of their work. Each sub-major builds on a major by inspiring students to new heights of thinking while challenging them to deal with major issues affecting society and the professions they plan to enter. There are seven sub-major study sequences available (CBK90701):

- Aboriginal Studies (SMJ09052)
- Bodies, Genders, Rights (SMJ09051)
- Environmental Studies (SMJ09050)
- Media Studies (SMJ10032)
- Reading Australia (SMJ09049)
- Screen Studies (SMJ10033)
- Transnational Studies (SMJ09048).

Electives

Elective subjects allow students to broaden or specialise their knowledge and skill set.

In the 24 credit points of electives, students can choose:

- any three subjects from the UTS: Communication subject bank
- three foundation subjects of another UTS: Communication major
- a second UTS: Communication sub-major
- Language and Culture subjects, or
- subjects from another course area of UTS, such as UTS: Business or UTS: Design, Architecture and Building.

Students may wish to undertake the Professional Internship elective in which they negotiate a learning contract and develop a structured industry experience project to enhance their career prospects.

Prerequisites must be observed when selecting electives.

Postgraduate course information

Applications

Applicants need to lodge an application through the Universities Admissions Centre (UAC) or make a direct application at the UTS: Communication Postgraduate Information Evening. For most courses, applicants can be made an offer if they possess a bachelor's degree, a master's degree or a graduate diploma in any field of study, or a graduate certificate in the same field of study. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements. Additional documentation is required for the Master of Arts in Creative Writing (C04109) (see page 377) and Master of Arts in Non-fiction Writing (C04244) (see page 418). Further information is available at:

www.postgraduate.uts.edu.au/applying

Postgraduate coursework

UTS: Communication offers graduate coursework programs in:

- information and knowledge management
- international studies
- journalism
- media arts and production
- public communication, and
- writing.

Within each program, courses may be offered at the level of graduate certificate, graduate diploma or master's degree.

Most programs are articulated so that students can progress through the program at their own pace and more effectively meet their individual study and development needs. This also allows students to enter the program at a point appropriate to their qualifications and experience.

The graduate programs are normally structured as follows:

- master's degrees: 72 credit points
- graduate diplomas: 48 credit points
- graduate certificates: 24 credit points.

Students who successfully complete the graduate certificate or graduate diploma and who are admitted to a more advanced-level course in the program are eligible for recognition of prior learning in the more advanced course for completed subjects.

All graduate courses are fee-paying courses.

Semester load

Full-time study is usually undertaken at the normal load of 24 credit points a semester.

Part-time study is usually undertaken at the normal rate of 8 or 16 credit points a semester.

Subject availability

Subjects in the graduate programs are normally offered every semester or every year. Classes proceed in a given semester only when there is sufficient demand. UTS: Communication reserves the right to cancel a class or a subject if it is not viable.

Electives

Where course requirements allow a free choice of electives, students may select subjects from graduate programs in UTS: Communication or subjects from other course areas in the University. Students may select subjects beyond the lists of elective subjects for particular courses with the approval of the graduate adviser. Not all subjects are available every semester.

Progression rules

Postgraduate students are advised that they may be excluded from a course if they exceed the maximum time allowed for completion of that course (section 10.5 of the University Rules).

Postgraduate research

UTS: Communication's research office prepares an information booklet, *Applying for a Research Degree*, which contains the selection criteria and details of supplementary information required by the faculty from course applicants.

The booklet is available from the research degrees administrator:

www.fass.uts.edu.au/postgraduate/research/apply

Application forms are available from the UTS: Graduate Research School or at:

www.research.uts.edu.au/future-students/apply.html

Applicants should contact one of the faculty's research strength directors and potential supervisors to discuss their proposed research project prior to submitting their application.

The deadline for applications for all applicants wanting to commence the following March is the final working day in October. In the event of a mid-year intake, the deadline is the last week in May.

Supervision

UTS: Communication has the capacity to supervise theses in the fields of:

- cultural studies
- digital media and the social sciences
- information studies
- journalism
- media arts
- new media and cultural theory
- public communication
- public history
- public media
- social activism
- writing.

Within these broad fields there are specific areas of supervision capacity, which change slightly each year.

UTS: Communication research centres and strengths

Cosmopolitan Civil Societies

The Cosmopolitan Civil Societies Research Centre (CCS) aims to develop a better understanding of social change and cultural cohesion in Australia and other cosmopolitan societies. The centre's research interest is at the intersection of conflict and cohesion, and in how division can be transformed into dialogue, recognition and inclusion. Its research programs focus on social action, community capacity, migration and cultural diversity, and aims to inform policy-making for social and cultural sustainability.

The CCS research initiative draws on the expertise of the University's teaching and research staff in the areas of management, education, communication, cultural studies, social change, social inquiry, leisure, sport and tourism, international studies, urban sociology, sustainability, community studies, finance and economics, built environment, engineering, globalisation and law.

Research areas include:

- collective action and learning
- human rights and social justice
- migration, cultural diversity and racism
- strengthening civil societies.

Students research areas are:

- community capacity building
- migration, cultural diversity and cosmopolitan civil societies
- non-profit and community organisations
- social action.

Transforming Cultures

After 10 years, Transforming Cultures (TfC) is well established internationally in both scope and reputation. It focuses on interdisciplinary cultural and social research, sponsoring innovative projects with local impact in Australia and the Asia–Pacific and Indian Ocean regions. Projects include an examination of 'cultures of place', cultural citizenship, experimental history and the culture of memory, and international activism. The centre also seeks to develop and report accounts of change and intervention in a globalising world. One current major focus is India, a new economic powerhouse in the region.

The Transforming Cultures research centre explores cultures in the process of transformation as well as the (technological and other) cultures that are transforming societies across the globe. TfC researchers interrogate the social and cultural technologies that are transforming individuals, cultures and the societies of which they are part and on which they act. These include technologies of the body, of communication and of transculturation.

Project areas are:

- cultural frictions (convenor: Devleena Ghosh)
- environment, political ecologies and spatial cultures (convenor: Heather Goodall)
- experience-based inquiry (convenor: Catherine Robinson)
- experimental histories and cultures of memory (convenor: Katrina Schlunke)
- oceans and borders (convenor: Devleena Ghosh)
- transforming communications (contact: Tanja Dreher).

TfC researchers are drawn from across the humanities and social sciences, including anthropology, communication studies, cultural studies, gender studies, history, international studies, philosophy and sociology.

Student research areas are:

- social frictions and cultural citizenship (convenor: Andrew Jakubowicz)
- experimental histories and cultures of memory (convenor: Dr Katrina Schlunke)
- environment, political ecologies and spatial cultures (convenor: Heather Goodall)
- transnational studies (convenor: Devleena Ghosh)
- transforming communications (convenor: Penny O'Donnell)
- experience-based inquiry (convenor: Catherine Robinson).

Creative Practices and Cultural Economy

The Centre for Creative Practices and Cultural Economy (CPCE) provides a unique framework for the investigation of creative practice within a cultural economy context. It merges creative practice with cross-disciplinary areas such as public history, information technology, cultural analysis and economics. In doing so, the centre brings new understanding to the creative industries concept. It explores a range of perspectives on the process of creativity from inception to production, in order to determine how meaning is made in contemporary society across a range of cultural forms.

The centre's core investigations are the key issues of cultural and economic values, their nature, their purpose and, most importantly, their intersection with each other and with creative practice.

The CPCE provides fresh perspectives by understanding cultural economy as a closely interwoven fabric of cultural and economic creative practices that represent a whole systems approach in the determination of value. This entails not only the tangible qualities that emerge through process and production, but the intangible processes of individual values, sense of place, identity and passion that are captured within all creative works.

Research hubs are:

- building creative societies
- creative media
- cultural heritage and tourism
- media and communication practices
- wine and food
- writing and literary cultures.

The CPCE has a significant body of research students, which enriches the research strength's creative culture. Members supervise a range of traditional and non-traditional master's and doctoral degrees, and their areas of expertise include:

- new media
- fiction
- non-fiction
- screenwriting
- public history
- history and memory
- media arts
- multimodality
- film and video
- documentary
- sound and music.

UTS: CREATIVE INTELLIGENCE AND INNOVATION

Information for students

This course area is designed to give students a leading edge. The Bachelor of Creative Intelligence and Innovation combined courses focus on the high-level conceptual thinking and problem-solving practices which lead to the development of innovative, creative and entrepreneurial outcomes. Taking a trans-disciplinary approach, students utilise multiple perspectives from diverse fields.

This course integrates a range of industry experiences, real-world projects and self-initiated proposals, equipping students to address the complex problems and challenges, and untapped opportunities, in today's world.

The Bachelor of Creative Intelligence and Innovation (BCII) is an Australian first, spanning seven UTS faculties/schools.

Students are able to undertake one of 18 core degrees (see page 11), in combination with the BCII, making it truly transdisciplinary.

Location, contacts and inquiries

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.uts.edu.au/future-students/creative-intelligence-and-innovation

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

Policies and procedures

Refer to the policies and procedures for the faculty administering the core degree that is combined with BCII.

Professional practice

Interdisciplinary collaboration occurs within a diversity of complex, dynamic and networked contexts. The BCII integrates a range of live, real-world projects and industry experience, either locally or internationally.

Undergraduate course information

The Bachelor of Creative Intelligence and Innovation (BCII) is not a stand-alone degree and can only be undertaken in conjunction with a core professional degree. Studying within an extended academic year (through winter and summer sessions) and a final capstone year of BCII studies, students can complete the combined degrees taking one year longer than for the single, professional degree.

The Bachelor of Creative Intelligence and Innovation (BCII) is offered in 18 courses (see page 11) across seven faculties/schools.

UTS: DESIGN, ARCHITECTURE AND BUILDING

Information for students

UTS: Design, Architecture and Building is located on City campus, Broadway, in the Peter Johnson Building (Building 6) on Harris Street.

The Building 6 Student Centre provides information and assistance to coursework students who have inquiries and concerns about student and course administration. The student centre coordinates a wide range of activities including enrolment, production and distribution of class timetables, identification of potential graduands, the processing of student leave applications, special consideration and variation of programs. The centre also assists with interpretation of University rules and regulations, and provides various forms for students.

The DAB research manager provides similar assistance to postgraduate research students.

Location, contacts and inquiries

The Building 6 Student Centre is located on level 4 of the Peter Johnson Building (Building 6). It is responsible for a broad range of activities including admission, enrolment, graduation, timetabling, course information and promotion, and student progression matters.

Building 6 Student Centre

CB06.4.05

702–730 Harris St, Ultimo

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Postal address

Faculty of Design, Architecture and Building

PO Box 123

Broadway NSW 2007

Faculty structure

The Faculty of Design, Architecture and Building administers UTS: Design, Architecture and Building courses. The faculty consists of three schools that manage both undergraduate and postgraduate coursework degrees: the School of Design; the School of Architecture; and the School of the Built Environment.

UTS: Design, Architecture and Building has a research culture that respects distinct intellectual areas while encouraging internal and external research partnerships.

Teaching strategies

UTS: Design, Architecture and Building is committed to the creation of a learning environment where:

- students are motivated to want to learn
- students learn both in groups and independently
- students learn using a combination of theoretical and practical applications
- students adopt a scholarly approach to their studies
- students emulate practice
- students engage with the community
- students learn from feedback on exams, assignments and general performance, and
- research and writing skills are promoted.

Students learn from highly accomplished and motivated staff, student readers, workbooks and texts where appropriate.

Facilities

UTS: Design, Architecture and Building has state-of-the-art facilities including:

- a digital architecture studio and lab exclusively for Master of Advanced Architecture students, with high-end 3D printers and laser-cutter
- an interactivation studio to research the interaction between people and technology
- fashion workshops and studios for the design and construction of garments
- a textile print workshop which consists of a dye lab, a print area with two large print tables, transfer press and heat setter, a screen exposure room, a screen wash area, a drying area and a coating area
- a moving image video production studio
- a fabrication workshop for metalworking, woodworking, general use, plastics, welding, spray painting, materials storage, tool storage and a 3D printer
- a professional-standard photomedia studio for small, medium and large formats, black and white as well as colour film processing and printing, lighting, backdrops, colour-calibrated monitors, pre-press computers and darkrooms
- six state-of-the-art computing labs featuring an on-site digital image service for printing
- a digital workshop featuring 3D printers, laser-cutter and a 3D scanner
- an animation hub comprising two animation computing labs, a render farm, a 3D scanner and motion capture (MoCap) laboratory with a Vicon optical system to capture human movement by a series of cameras and then encode the results as digital data – these data allow animators to produce characters with lifelike movement
- DAB lab research gallery which provides managerial assistance for academic staff and postgraduate student case studies and research projects, as well as being an exhibition space
- sense-aware research lab which enables interaction design using natural experiences such as physical motion, gesture, tangible device manipulation, e-fashion wear and smart products
- immersive construction environments (ICE) studio which integrates research and teaching applications of 3D simulations for the built environment and includes a rear-projection system for 3D imaging and video
- UTS Gallery, which is a dedicated public gallery, presenting a rich and varied program of high quality exhibitions, educational activities and special events that make a significant contribution to the cultural life of UTS and the wider community of Sydney.

Centres

UTS: Design, Architecture and Building is home to several research centres (see page 61).

International exchange

Being an exchange student provides the opportunity to study and travel overseas, to experience and learn from the perspectives of other cultures, and to develop alternative ways of thinking and a new approach to learning.

UTS: Design, Architecture and Building has exchange agreements with the following universities:

- Vorarlberg University of Applied Sciences (Austria)
- Academy of Fine Arts Vienna (Austria)
- Ryerson University (Canada)
- Business Academy Southwest (Denmark)
- Aalborg University (Denmark)
- Aarhus School of Architecture (Denmark)
- Aalto University (Finland)
- L'Ecole de Design Nantes Atlantique (France)
- Skema Business School (France)
- Hochschule für Gestaltung Schwäbisch Gmünd (Germany)
- Hochschule Wismar, University of Applied Sciences (Germany)
- The Hong Kong Polytechnic University (Hong Kong)
- Politecnico di Torino (Italy)
- Technische Universiteit Delft (Netherlands)
- Technische Universiteit Eindhoven (Netherlands)
- ETSAB (Spain)
- Madrid: IE University School of Architecture (Spain)
- King Mongkut's University of Technology Thonburi (Thailand)
- University College for the Creative Arts at Canterbury, Epsom, Farnham, Maidstone and Rochester (UK)
- Nottingham Trent University (UK).

Cross-faculty courses

The Master of Animation (C04266) (see page 437) is a cross-faculty course incorporating the teaching strengths of the Faculty of Design, Architecture and Building; the Faculty of Arts and Social Sciences; and the Faculty of Engineering and Information Technology. The Bachelor of Photography and Situated Media (C10265) (see page 286) shares subjects with the Faculty of Arts and Social Sciences's Bachelor of Sound and Music Design (C10269) (see page 288).

Undergraduate course information

Undergraduate study in UTS: Design, Architecture and Building is unique. UTS: Design, Architecture and Building provides specialist design education focusing on the areas of fashion and textiles design, industrial design, interior design, visual communication and photography, and situated media design. The architecture program offers disciplinary and professional education, and the construction project management and property economics courses equip students to work in professional roles in their chosen industry.

School of Design

The Bachelor of Design offers six distinct professional areas of specialisation:

- Bachelor of Design in Animation (C10273) (see page 293)
- Bachelor of Design in Fashion and Textiles (C10306) (see page 303)
- Bachelor of Design in Integrated Product Design (C10304) (see page 301)
- Bachelor of Design in Interior and Spatial Design (C10271) (see page 291)
- Bachelor of Design in Photography and Situated Media (C10265) (see page 286)
- Bachelor of Design in Visual Communication (C10308) (see page 305).

Design students are required to undertake a professional core program specific to each individual course, as well as elective studies. The six areas also share a number of subjects within the design studies strand.

Design studies subjects

Design students are required to undertake 30 credit points of design studies subjects. Each subject is worth 6 credit points and is one semester in duration.

These subjects examine what is common to the different forms of design and the interface between design and other disciplines and professions. The subjects develop creative thinking within a critical framework and foster openness to difference and alternative futures while establishing criteria for judgment about the value of design proposals. The subjects also enhance students' abilities to work collaboratively and reflect individually. Through these subjects, students acquire an understanding of, and skills in, a range of aspects of design research:

- research for design — investigating the cultural contexts of design problems and solutions
- research of design — reflecting upon and explaining the nature of creative design processes
- research by design — exploring and articulating what can be discovered about situations through designed interventions.

Not all subjects are offered every semester. Contact the Building 6 Student Centre for details.

Elective stream

Students are required to undertake 24 credit points of elective subjects. This may be in the form of a sub-major (24 credit points in a single specialist area) or chosen from a variety of electives offered by the different faculties in the University.

Overseas exchange

The design programs offer students the opportunity to undertake concurrent study at approved institutions overseas. UTS: Design, Architecture and Building has memorandum of understandings with institutions in Canada, Germany, Japan, Korea and the United Kingdom.

School of Architecture

The architecture program includes the Bachelor of Design in Architecture (C10004) (see page 129) (leading onto the Master of Architecture (C04235) (see page 404)).

UTS architecture courses provide students with the skills and knowledge necessary to practise in the architectural profession and to be future leaders in the design of the built environment. Students receive a rich education oriented towards international practice and design innovation, and gain a critical and ethical awareness of architecture as a discipline with much to offer in the face of many of the most pressing challenges of today: environmental and social sustainability, urban sprawl and amenity, cultural preservation and the livelihood of diverse communities. Graduates are highly skilled and sought after by the profession. The course is recognised both nationally and internationally.

The architecture program at UTS offers disciplinary and professional education through two distinct but consecutive and strongly interconnected degree courses.

The first comprises a Bachelor of Design in Architecture (BDes) (C10004) (see page 129), awarded after successful completion of three years of full-time study (or part-time equivalent). The second comprises a Master of Architecture (MArch) (C04235) (see page 404), which involves a further two years of full-time study (or part-time equivalent).

In general terms, the BDes can be seen as a liberal introduction to the study of architecture as a discipline. This degree can stand alone and equips students to join other design fields or related disciplines, or to go on to further academic research and study. It also plays an important role in preparing students for the MArch degree. In this second degree the emphasis lies on educating students for the practise of architecture. Together, the two degrees acknowledge the nature of architecture as both a discipline and a profession. Further information on the MArch degree is available from postgraduate course information (see page 61).

School of the Built Environment

The school offers the Bachelor of Construction Project Management (C10214) (see page 228). This course is concerned with the management of all aspects of the construction process and provides a high quality education for both construction managers and quantity surveyors.

It delivers all the recognised competencies for construction professionals and gives graduates the opportunity to diversify into project management. This unique degree provides graduates with the broader skills and knowledge required to meet the changing demands of the construction industry.

The course offers a first-rate building education and gives students opportunities such as industrial placements, field trips, practical and lab-based work, and international exchange programs. Students have access to state-of-the-art computing facilities. Every stage of the course includes a practical component and there is a substantial professional work experience program.

Postgraduate course information

Postgraduate study in UTS: Design, Architecture and Building is sophisticated and contemporary. UTS: Design, Architecture and Building's design and digital architecture courses give students the chance to extend their abilities, developing both their broader and specific knowledge base to realise their potential as innovative designers. The property, planning and project management courses are renowned for their diverse, innovative and practical application, and flexible delivery options. UTS: Design, Architecture and Building offers Australia's only Master of Animation (C04266) (see page 437) and Master of Advanced Architecture (C04240) (see page 410).

UTS: Design, Architecture and Building has a cutting edge research culture, committed to developing knowledge, innovation and excellence. Research strengths have a national and international profile.

Postgraduate coursework

School of Design

Two postgraduate coursework degrees are offered by the School of Design:

- Master of Animation (C04266) (see page 437)
- Master of Design (C04243) (see page 417).

The Master of Animation (C04266) (see page 437) is the only qualification, at this level, devoted to animation in Australia. Coursework areas include traditional film animation, 2D and 3D digital animation, graphic visualisation, object-oriented programming and animation studies, culminating in the production of a short animated work.

Unique in Australia, the Master of Design (C04243) (see page 417) is intellectually vibrant, socially engaging, visionary, practice-focused and actively linked to industry. This course is centred around building a design community network. It provides a postgraduate education that is flexible in both its practice orientation and research integration. With a focus on design evolution, innovative integration of new technologies, practice and student experimentation, the Master of Design is delivered by experienced studio leaders who are acknowledged leaders in the specific industries and professions.

School of Architecture

Four postgraduate coursework degrees are offered by the School of Architecture:

- Master of Advanced Architecture (C04240) (see page 410)
- Master of Architecture (C04235) (see page 404)
- Graduate Diploma in Architecture (C07115) (see page 470)
- Graduate Certificate in Architecture (C11212) (see page 511).

The Master of Advanced Architecture (MAdvArch) (C04240) (see page 410) offers two distinct streams. The MAdvArch in Design Technologies is a design-based, post-professional coursework program that critically explores current advances in design production and thinking to postulate new forms of urbanism and architectural space. The MAdvArch in Urban Design focuses on research, technology and experimentation that is directed towards the spatial transformation of urban environments. It is available not only to architects, but all designers of the built environment.

The Graduate Diploma in Architecture (C07115) (see page 470) and the Graduate Certificate in Architecture (C11212) (see page 511) are tailored pathway courses into the Master of Advanced Architecture (C04240) (see page 410) only.

The Master of Architecture (C04235) (see page 404) is the second of a two-tiered degree structure and is the degree required for registration as an architect. The emphasis of this degree lies in educating students for the practise of architecture. The Master of Architecture is a professional degree, i.e. a qualification accepted for candidates seeking to take the professional examination of the Board of Architects and Australian Institute of Architects as a prerequisite to registration under the provision of the *Architects Act 2003*. The Master of Architecture may be undertaken only after the successful completion of the Bachelor of Design in Architecture (C10004) (see page 129) degree (or equivalent); a degree that by itself does not lead to professional recognition.

School of the Built Environment

This school offers postgraduate programs in project management, property development and planning. In particular, the project management courses are generically designed so the skills learned can be applied to a wide range of business fields and industry.

The planning program enhances knowledge and skills in urban analysis, policy and the use of emerging technologies. It has a strong emphasis on master planning, sustainability and urban design, equipping its graduates so they can respond to changing natural, economic and social environments. The engaged, practical nature of the course prepares graduates for leadership roles in government departments and agencies, major development companies and private consulting firms.

The property development program provides a thorough and advanced grounding in all aspects of the property development process, markets and institutions, including the political, managerial, legal and physical systems which contribute to the effective management and development of property assets, property investment portfolios and development proposals.

The project management program provides practice-based knowledge, skills and tools necessary for the delivery of different types and sizes of projects and programs across all industry sectors, underpinned by theory and research. At the forefront of industry trends, the UTS program incorporates project complexity, program management, governance, reflective practice and leadership into its subject offerings. It has a global recognition for its rigorous focus on quality.

The courses offered are:

- Graduate Certificate in Property and Planning (C11001) (see page 475)
- Graduate Certificate in Project Management (C11005) (see page 475)
- Graduate Diploma in Property Development (C06006) (see page 438)
- Master of Planning (C04007) (see page 353)
- Master of Project Management (C04006) (see page 352)
- Master of Property Development (C04008) (see page 354).

Postgraduate research

UTS: Design, Architecture and Building offers five research degrees:

- Master of Architecture (Research) (C03001) (see page 537)
- Master of Built Environment (Research) (C03002) (see page 538)
- Master of Design (Research) (C03012) (see page 538)
- Doctor of Philosophy (C02001) (see page 524)
- Doctor of Project Management (C02051) (see page 532).

Contacts and inquiries

Further information on research programs is available from:

telephone +61 2 9514 8080

fax +61 2 9514 8966

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Research centres

UTS: Design, Architecture and Building is home to the Centre for Contemporary Design Practices (a UTS research strength), the Designing Out Crime Research Centre, the Asia–Pacific Centre for Complex Real Property Rights and the Built Environment Design and Management research group.

UTS: EDUCATION

Information for students

UTS: Education caters for a broad range of educational practitioners' professional development needs, from primary through to adult workplace teaching and learning. Undergraduate and postgraduate courses in teacher education and postgraduate courses in adult education provide a rich program combining theory and practice with unique opportunities to discover more about learning in a variety of contexts – in schools, vocational colleges, corporations and learning centres in Australia and overseas. UTS: Education is located on City campus and Kuring-gai campus.

Credit recognition policy

UTS: Education recognises both formal and informal prior learning. For more information consult the policy on credit recognition at:

www.uts.edu.au/future-students/education/essential-information/credit-recognition

Student support

UTS: Education helps students develop their learning skills through services provided by the following support units.

Academic liaison officers

As part of UTS: Education's equity plan, an academic liaison officer is available at each campus to help students with physical, psychiatric and medical issues and other special needs. The liaison officers negotiate with lecturers on students' behalf for any reasonable adjustments required to ensure equity of educational opportunity. This may include provision of signers, notetakers, extensions of time, alternative assessment tasks and special exam conditions.

Christopher Nesbitt

City campus

telephone +61 2 9514 3721

email Chris.Nesbitt@uts.edu.au

Robyn Staveley

Kuring-gai campus

telephone +61 2 9514 5381

email Robyn.Staveley@uts.edu.au

Computing facilities for UTS: Education students

City campus

At Building 10 (CB10) on City campus, UTS: Education has a digital media learning space. This facility incorporates leading-edge concepts in educational design and technology. The computer facility provides powerful Macintosh computers with a suite of common up-to-date software installed for document production, web authoring, video and image editing, internet and email access. They are compatible with a range of foreign language fonts. Printing and scanning facilities are also available for students. UTS: Education students have access to these facilities when classes are not in progress.

Presentations in Building 10 teaching spaces may be complemented by data projectors linked to electronic lecterns. These integrate an internet-connected computer, DVD player, VHS player, document imager and sound system for media rich learning experiences. A number of mini-studios with camera, lighting and playback facilities allow students to videotape and review presentations. Building 10 also contains a general access computing laboratory and a computer kiosk on the street level. These are available to enrolled students 14 hours a day.

Kuring-gai campus

There are five computer laboratories for students' use at Kuring-gai campus. Four of these have Windows-based computers installed and offer an excellent range of software. The largest lab is the Macintosh lab where many of the courses are conducted. This lab contains 30 new networked multimedia computers, a laser printer and a scanner. Students have free access to this lab and a large range of software when classes are not in progress. There is also a collection of educational software and a digital art facility. Students have access to the internet and their own email account from all the computers in the laboratories.

International links

UTS: Education has a history of strong international links and has offered programs in Laos, Cambodia, Hong Kong, Vietnam, Thailand, Japan, the South Pacific region, Europe, the Middle East and South Africa.

UTS: Education has seen increasing numbers of international students from Japan, China, South Korea and from countries in Africa and the Middle East. The most popular courses with international students are in teaching English to speakers of other languages (TESOL), a language major in secondary teaching, e-learning, and individual subjects done in study abroad programs.

In the teacher education courses students have the opportunity to do overseas practicums in Thailand, Samoa and China. The Bachelor of Arts in International Studies is also available as a combined degree with UTS: Education undergraduate degrees and offers students the opportunity to live and study overseas in a country of choice for two semesters.

Teacher education

UTS: Education offers pre-service teacher education courses at Kuring-gai campus for beginning teachers in primary and secondary education.

Primary education is offered in a full-length Bachelor of Education degree, which may be taken as a four-year Bachelor of Education in Primary Education (C10206) (see page 224) or as a five-year combined Bachelor of Education Bachelor of Arts in International Studies (C10208) (see page 226). Both courses provide a fully recognised teaching qualification in primary education. There is also a non-teaching qualification exit option, the Bachelor of Arts in Educational Studies (C10209) (see page 228), for students who complete three years of study.

Secondary education is offered as a graduate-entry program, the Bachelor of Teaching in Secondary Education (C08002) (see page 521) for students with an undergraduate degree in an area of specialisation. It is available in the following specialised areas: English; mathematics; personal development, health and physical education; science; visual arts; mathematics/science; and business studies/economics/commerce.

Other postgraduate courses are designed for qualified and experienced teachers who wish to extend their professional skills. These include master's courses in e-learning, TESOL, education and applied linguistics.

People considering teaching as a career should be aware that teachers need:

- high levels of competence in literacy and numeracy
- high levels of competence, or the willingness to achieve competence, in information and communication technologies, and
- a fundamental interest in learning.

Initial teacher education courses

The initial primary teacher education courses available are:

- Bachelor of Education in Primary Education (C10206) (see page 224)
- Bachelor of Education Bachelor of Arts in International Studies (C10208) (see page 226), during which students prepare for primary school teaching and acquire knowledge and understanding of another language and culture.

These are interlinked courses designed to prepare students for teaching in primary schools. The two courses share a common core of professional experience, key learning areas and contextual studies. This common structure enables students to change courses at the end of their first year, subject to places being available.

In addition, the Bachelor of Education in Primary Education allows students to study a choice of electives. Meritorious students can instead choose to complete an honours program. In the Bachelor of Education Bachelor of Arts in International Studies, students undertake a country major choice instead of electives or honours.

Professional Experience

Professional Experience contains two interlinked elements:

- campus-based studies that examine the range of theoretical issues, skills and procedures central to effective pedagogical practice, and
- field experiences where students engage in a variety of professional interactions in schools and other educational settings.

These combined elements foster the development of professional knowledge, skills and attitudes with which teachers should begin their careers. Students may apply to undertake field experience in an existing international professional experience program in Thailand, China or Samoa.

Through its provision of developmentally sequenced and integrated campus- and field-based experience, the Professional Experience stream promotes learning about learning, learning about self, learning about school life and learning about teaching.

UTS: Education rules specify that failing a professional experience subject for the first time places the student on probation and failing the same teaching practicum for the second time leads to exclusion.

All students participating in the internships that require them to supervise students without the presence of a qualified teacher are subject to a criminal records check by the NSW Department of Education and Training. The department, on the basis of the criminal records check, reserves the right to reject or suspend the participation of any student in such programs. It is expected that such security checks also apply to schools other than NSW departmental schools.

Criminal records checks are carried out only with the student's consent. All students are requested to complete a form that authorises a criminal records check to be undertaken. Any refusal to undergo the check results in the student being unable to complete the course requirements.

Full details are provided in general information (see page 28).

Key Learning Areas

The subjects in this stream fall into the following curriculum areas:

- English education
- information technology education
- mathematics education
- music education
- personal development, health and physical education
- science and technology education
- social and environmental education
- visual arts education.

Contextual Studies

Subjects within the Contextual Studies stream encourage students to draw on perspectives gained from all components of their degree, so that in the latter part they can refine and articulate their personal theories of learning and justify them with reference to research evidence from classroom practice and theoretical insights.

Bachelor of Arts in Educational Studies

Students who were originally admitted into the Bachelor of Teaching in Secondary Education, Bachelor of Education in Primary Education or Bachelor of Education Bachelor of Arts in International Studies have the opportunity of changing to a three-year degree: the Bachelor of Arts in Educational Studies (C10209) (see page 228) (subject to the approval of the course coordinator). This degree does not provide qualifications to teach.

For further details contact:

telephone 1300 ask UTS (1300 275 887)

Ask UTS www.ask.uts.edu.au

Adult education

UTS: Education offers adult education postgraduate courses for people who work, or wish to work, as:

- human resource developers
- education and learning consultants
- vocational educators and trainers
- language, literacy and numeracy educators, and
- Aboriginal educators and community managers.

Adult education courses are shaped by the following educational principles derived from adult learning theory.

- Learning is a collaborative endeavour involving the mutual negotiation of meaning and understanding.
- Learning is enhanced through the recognition and use of experience and the acquisition and application of knowledge in practice-based activities.
- Learning is a lifelong and socially embedded activity, dependent on mutual respect, diversity of approach and the recognition of relevance to learning.
- Learning involves the appreciation and application of theories in the different and changing contexts of professional practice.
- Learning is enhanced through discussion, critical thought and reflection on taken-for-granted assumptions and practices.
- Learning involves mutual obligations based on the valuing of difference, respect for diversity, responsible and ethical self management.
- Learning is a developmental process involving the recognition, articulation and transformation of knowledge, personal values and theoretical frameworks.

Workplace/flexible learning

Recognising the competing demands of work and home life for students, UTS: Education offers adult education courses in a variety of study modes, which can be tailored to meet student needs. Students can choose to study full time or part time. Many subjects are offered in a variety of learning modes including weekly classes, blocks (intensive, face-to-face learning programs conducted over a number of days each semester, often during school holidays) and weekend workshops. Many of the master's courses can be done by distance, supported by email contact with lecturers and UTSOnline web-based conferencing tools to keep students in touch with others in their course.

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

fax +61 2 9514 3939

Ask UTS www.ask.uts.edu.au

www.education.uts.edu.au

Training and Development Services

Training and Development Services provides consultancy services and workplace training programs in the fields of training, human resource development and vocational education.

telephone +61 2 9514 3888

fax +61 2 9514 3811

email Michelle.Hatcher@uts.edu.au

www.tds.uts.edu.au

Postgraduate course information

Postgraduate coursework

Progression rules

In accordance with section 10 of the University Rules (Academic Progression), postgraduate students are advised that they may be excluded from a course if they exceed the maximum time allowed for completion of that course (rule 10.5).

Postgraduate research

Centre for Research in Learning and Change

UTS: Education has a well-established and internationally recognised reputation for undertaking research that focuses on the complex and multifaceted relationship between learning and change. Lead researchers are successful in winning competitive research funding and are committed to collaborative approaches to their investigations.

The focus of the research is the investigation of the ways in which learning influences and is influenced by changes in educational institutions, workplaces, organisations and communities. The research aims to produce knowledge and practices to enhance learning, to promote more productive organisations and build more effective communities. At the heart of this research endeavour is to understand how learning responds to change, how learning is changing, and how change is embedded in and constructed by cultural and communication practices.

Central to the capacity to change is the ability to learn, not just to have learned well in educational institutions, but to keep learning, to be ready to learn again. Governments, business, communities, professional bodies and special interest groups increasingly invoke learning as a key strategy in understanding and facilitating social, cultural, environmental and economic responses to the numerous challenges presented by post-industrialisation and advances in technology, particularly in information and communication technologies.

The research projects are outcomes based and research outputs are published widely and disseminated through working papers and a seminar series. UTS: Education researchers have extensive experience working in partnership with research sponsors.

Research activities are embedded in the six broad research programs of the UTS research strength:

- discourses and cultural practices
- working, learning and professional practice
- changing communities: education and social action
- teacher learning and development
- language, literacy and literature
- learning and teaching in a digital age.

UTS: Education research students come from a variety of professional communities, are encouraged to be active members of the research centre and programs, and are integral to the success of the UTS: Education research activities and profile. The research degrees are closely linked to the research programs and priority areas for research student applications. Prospective research students are encouraged to view the UTS: Education website to obtain more information about research programs.

A full list of staff research interests and expertise is available at:

www.rilc.uts.edu.au

Further information

telephone +61 2 9514 4547

fax +61 2 9514 3939

email Margaret.McGrath@uts.edu.au

www.education.uts.edu.au

UTS: ENGINEERING

Information for students

The Faculty of Engineering and Information Technology (FEIT) is Australia's leader in practice-oriented engineering and IT education and research, and currently enrols over 7000 students in industry-recognised courses from undergraduate to doctoral level.

The faculty prides itself on its high level of engagement with the engineering and IT professions locally and internationally, by offering short courses and consulting expertise to the local community, and internationally through its courses offered in Hong Kong and Singapore, a significant local international student population and a robust student exchange program. FEIT is also the leading research faculty at UTS, with a diverse range of research being undertaken in matrix across the faculty's 12 research centres (including one institute) and five academic schools.

The faculty structure comprises four portfolio areas in teaching and learning; research and development; international; and external engagement, each led by an Associate Dean. Five schools house the academic sub-disciplines of the Faculty of Engineering and Information Technology:

- School of Civil and Environmental Engineering
- School of Computing and Communications
- School of Electrical, Mechanical and Mechatronic Systems
- School of Software
- School of Systems, Management and Leadership.

Location, contacts and inquiries

The Faculty of Engineering and Information Technology is located at City campus, Broadway, in Buildings 1, 2 and 10. Key staff are:

Professor Hung Nguyen
Dean
telephone +61 2 9514 4441
email Hung.Nguyen@uts.edu.au

Dr Tim Aubrey
Associate Dean (Teaching and Learning)
telephone +61 2 9514 2360
email Tim.Aubrey@uts.edu.au

Professor Mary-Anne Williams
Associate Dean (Research and Development)
telephone +61 2 9514 2451
email Mary-Anne.Williams@uts.edu.au

Professor Keith Crews
Associate Dean (External Engagement)
telephone +61 2 9514 2619
email Keith.Crews@uts.edu.au

Professor Deepak Sharma
Associate Dean (International)
telephone +61 2 9514 2422
email Deepak.Sharma@uts.edu.au

Professor Bijan Samali
Head, School of Civil and Environmental Engineering
telephone +61 2 9514 2023
email Bijan.Samali@uts.edu.au

Professor Doan Hoang
Head, School of Computing and Communications
telephone +61 2 9514 7943
email Doan.Hoang@uts.edu.au

Professor Jianguo (Joe) Zhu
Head, School of Electrical, Mechanical and Mechatronic Systems
telephone +61 2 9514 2318
email Jianguo.Zhu@uts.edu.au

Professor Jie Lu
Head, School of Software
telephone +61 2 9514 1838
email Jie.Lu@uts.edu.au

Professor Igor Hawryszkiewycz
Head, School of Systems, Management and Leadership
telephone +61 2 9514 1809
email Igor.Hawryszkiewycz@uts.edu.au

Annette Giles
Faculty Manager
telephone +61 2 9514 4443
email Annette.Giles@uts.edu.au

Engineering and Information Technology Outreach Office

The Engineering and Information Technology Outreach Office manages all faculty marketing activities and school liaison. It is located in Building 2, level 4, room 16 (CB02.4.16). This connects with Building 1 at City campus, Broadway.

The office is generally open from 9am–5pm Monday to Friday.

telephone +61 2 9514 2666

fax +61 2 9514 7803

email engineering@uts.edu.au

www.eng.uts.edu.au

Postal address

Faculty of Engineering and Information Technology

University of Technology, Sydney

PO Box 123

Broadway NSW 2007

UTS Student Centres

All inquiries from currently enrolled UTS students are handled by the UTS Student Centres located across the City (Broadway and Haymarket) and Kuring-gai campuses.

Students enrolled in UTS: Engineering degrees (undergraduate and postgraduate coursework) are advised to direct all their course-related inquiries to:

Building 1 Student Centre

CB01.4 – City campus, Broadway, Building 1, level 4, foyer

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Key student liaison staff

The staff below are the key liaison staff for engineering and information technology students requiring specialist or academic advice to manage their enrolment and student candidature. All students are to direct all initial inquiries to the UTS Student Centre where their inquiry will be processed and forwarded to the key contact staff below only if the matter cannot be resolved by Student Centre staff. An appointment with these staff is based on referral from the UTS Student Centres or within staff consultation times.

Dr Rob Jarman
Director, Undergraduate Programs: UTS: Engineering
telephone +61 2 9514 2368
email Rob.Jarman@uts.edu.au

Dr Prasanthi Hagare
Director, Postgraduate Coursework Programs: UTS: Engineering
telephone +61 2 9514 1952
email Prasanthi.Hagare@uts.edu.au

Mr Chris Wong
Director, Undergraduate Programs: UTS: Information Technology
telephone +61 2 9514 4501
email Chris.Wong@uts.edu.au

Mr Rene Leveaux
Director, Postgraduate Coursework Programs: UTS: Information Technology
telephone +61 2 9514 1958
email Rene.Leveaux@uts.edu.au

Mr Craig Shuard
Research Administration Officer
telephone +61 2 9514 4460
email Craig.Shuard@uts.edu.au

Ms Phyllis Agius
Research Administration Officer
telephone +61 2 9514 2686
email Phyllis.Agius@uts.edu.au

Ms Tracey Moore
Manager, Academic Programs Office
telephone +61 2 9514 2671
email Tracey.Moore@uts.edu.au

Ms Beate Buckenmaier
Manager,x International
telephone +61 2 9514 2590
email Beate.Buckenmaier@uts.edu.au

Faculty contacts and areas of interest

A comprehensive list of UTS: Engineering academic staff and their research areas is available from:

www.feit.uts.edu.au/about.html

Additional English language and mathematics requirements

UTS: Engineering requires commencing students to undertake English language and mathematics readiness surveys so that the most effective study patterns can be advised. UTS: Engineering reserves the right, when appropriate, to require students who are identified as needing additional support to undertake preparatory English language and/or mathematics courses prior to progressing further in the course, or to restrict the level of advanced standing awarded where this is indicated as appropriate by these readiness surveys.

UTS: Engineering clubs and societies

UTS: Engineering has an active student-run society – the UTS Engineering Society – supporting over 1000 members. The Society runs both industry networking events and a social calendar. It also proudly runs Orientation Camp annually for all new engineering students.

Further information is available from:

www.engsoc.org.au

https://www.facebook.com/engsoc

email utsengsoc@gmail.com

UTS: Engineering facilities

UTS: Engineering has a strong commitment to providing an effective and supportive learning environment for its students. The Remote Laboratory, one of the first of its kind in the world, enables students to conduct experiments in real time on real experimental equipment via the internet. State of the art labs within the faculty include the Civil Engineering Lab which houses the Shaker Table, the only earthquake simulator of its size in Australia. Engineering students have access to both University computing laboratories as well as a number of faculty computing laboratories adapted for specific courses. The Learning and Design Centres are located at CB01.25.15 and CB02.6.39. They provide access to tutors for individual and small group support, reference material, and software and hardware resources, on a drop-in basis, and are open for extended hours.

Compulsory safety induction

As part of the faculty's commitment to safety, all engineering and IT students are required to annually complete a safety induction in order to access PIN-protected facilities within the faculty. Completion of the safety induction is not required to be able to attend scheduled/supervised lab sessions or use some IT labs during business hours. Students enrolled in an engineering or IT course are automatically given access to enrol in the safety induction through UTS Online (the forum is called 'UTS: Faculty of Engineering and Information Technology – Safety Induction').

Students from outside the faculty who enrol in engineering or IT subjects and who need PIN access to faculty facilities must contact the faculty to get enrolled in the safety induction forum:

email FEITPinAdmin@uts.edu.au

This is also the contact for students who have problems with their PIN access.

Professional bodies in engineering

Engineers Australia

Engineers Australia is the principal professional body and learned society for engineers in Australia. Its membership covers all branches of engineering, with specialist colleges catering for the main fields of practice. Its headquarters are located in Canberra, with operating divisions in capital cities and regional centres. The local division, which covers UTS, is the Sydney Division. It runs an annual program of lectures, seminars and professional activities, with particular events for young engineers. The division's office is located in Chatswood:

telephone +61 2 9410 5600

www.engineersaustralia.org.au

The Association of Professional Engineers, Scientists and Managers, Australia

The Association of Professional Engineers, Scientists and Managers, Australia (APESMA) provides advice and assistance on employment-related matters for professional engineers, scientists and managers. Student members receive the publication The Student Update three times a year, which gives practical insight into the workplace and employment issues that affect them as professional engineers. For information and student membership application forms contact APESMA on:

telephone 1300 273 762

Other bodies

There are a number of other national and regional associations representing particular branches of engineering. UTS: Engineering staff with interests in the field concerned are often active in these bodies and able to provide information.

Women in Engineering and IT program

The Women in Engineering and IT (WiE&IT) program at UTS is a long-standing initiative to redress the low rate of female participation in the field by communicating the opportunities of engineering and ICT (information and communications technology) careers as a course of study; by promoting the involvement of women in the course, the Faculty and in research at UTS; and by networking with professionals from engineering and ICT fields and professional organisations. The program also seeks to address attitudes and behaviours which may deter students and staff from achieving, in a safe and rewarding learning, research and working environment.

The WiE&IT program invites students, staff and industry to support its ongoing activities and contribute ideas for new initiatives which will attract and support more women to choose to study engineering and IT.

Read more about the program at:

www.utswomeninengineeringandit.blogspot.com

www.feit.uts.edu.au/women

Practice-oriented engineering education

What does it mean?

Practice-oriented engineering education requires students to experience the reality of engineering from an early stage in their professional formation — through internship. It actively relates this experience to their developing understanding of engineering theory, analysis and laboratory work, and to studies in other disciplines, and it promotes critical and creative thinking based on knowledge gained outside as well as within the University. This interaction requires that most academic staff have significant experience of engineering practice and keep it constantly refreshed. Educational programs in which students or a majority of staff do not have current experience cannot validly be called practice-oriented.

Practice-oriented education is more than practice and more than education. A university education should instil a thorough grasp of fundamental principles, a respect for knowledge, a capacity for critical inquiry and lateral thinking, a fluency in communication, a pride in excellence and an eagerness to contribute to shaping the future. Practice-oriented engineering education claims that these attributes can be more effective when they have been developed in parallel with the human and technical challenge of real engineering situations.

Engineering education at UTS

In Australia, the basic qualification for professional engineering is the Bachelor of Engineering (BE) degree. At most universities, the BE occupies four years of full-time academic study. At UTS, as well as completing the academic program, all undergraduate engineering students must gain substantial approved engineering experience in industry or in other authentic professional settings. This experience must be distributed over the period of the course and must meet standards of quality and relevance. This experience is recognised in the award of a Diploma in Engineering Practice (DipEngPrac). The combined BE DipEngPrac degree takes five years to complete.

Graduates of most university engineering courses need up to two years' experience in industry, after graduation, before they are able to assume real responsibility. UTS: Engineering graduates have already gained much of this experience together with a real understanding of the interrelations between theory and practice, technology and human factors. They are equipped to undertake professional responsibility much sooner than graduates of other courses at other universities — often upon graduating.

The combination of formal academic learning in the University and experiential learning in the workplace is called cooperative education. UTS: Engineering courses have embodied this principle for over 30 years. The courses are highly regarded in industry and, according to many reports and surveys, the graduates enjoy the highest employment rate of any engineering degree courses in Australia. Cooperative education is also well known and highly regarded in other countries, particularly in North America. UTS is a member of the World Council for Cooperative Education.

The UTS BE DipEngPrac realises the concept of practice-oriented engineering education as holistic professional formation and leads to the combined award of Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142). Students' perception of the value of the periods spent employed in industry — the internships — is illustrated by the very high percentage of students who choose to continue to mix work and study even after completing the formal internship requirements.

Other UTS: Engineering courses, undergraduate and postgraduate, are also designed to interact strongly with industry, though the work-experience requirements are mostly less structured than those of the BE DipEngPrac. In all programs, the majority of students already have significant industrial experience or are gaining it concurrently. UTS: Engineering has policies for maximising opportunity for its academic staff to maintain first-hand experience in industry and engages many practising engineers as adjunct teaching staff. It also strongly encourages collaborative research and consultancy with industry and many of its research students are industry-based. The predominant culture, therefore, is strongly practice-oriented and this also benefits the relatively small number of students who do not yet have engineering work experience.

In all of its activities, UTS: Engineering seeks to promote a better understanding of the role of engineering in society and to promote and support service to the community through other channels as well as industry.

Continuing professional education

Practising engineers wishing to undertake continuing professional education may, if class sizes permit, enrol in single subjects. All enrolments on this non-award basis incur full-cost recovery fees. Their successful completion creates the possibility of advanced standing credit under existing University policies, should candidates decide to enrol in a course.

Further information is available at:

www.sau.uts.edu.au/fees/non-award

In addition, in-house short courses, seminars, workshops and other professional development programs are offered from time to time, frequently in response to corporate invitations or opportunities arising from visits by international experts.

Further information on continuing professional opportunities through UTS: Engineering is available at:

www.eng.uts.edu.au/courses/short

Short courses

Courses in playground safety

The Royal Society for Prevention of Accidents (RoSPA) and UTS: Engineering offer regular short courses on playground safety, design, maintenance and inspection including:

- Accredited Outdoor Playground Inspectors Course: Routine Inspections Level 1 (1 day)
- Accredited Outdoor Playground Inspectors Course: Operational Inspection Level 2 (3 day)
- Accredited Outdoor Playground Inspectors Course: Revision and Reaccreditation Operational Inspection Level 2R (3 day)
- Designing Playgrounds and Outdoor Spaces: Module A – Standards and Accessibility (2 day).

Floodplain Risk Management

The Floodplain Risk Management subject is aimed at elected local government councillors, community representatives on floodplain risk management committees, engineers and planners in both government and consultancies seeking a background in floodplain risk management and associated land use planning issues.

This course is conducted by UTS in conjunction with the:

- Floodplain Management Association, and
- Office of Environment and Heritage.

Taught by industry experts, including those from the Office of Environment and Heritage, the NSW Emergency Service, local government and consultancy, this course shows how to develop and implement floodplain risk management in accordance with the Floodplain Development Manual.

Courses available:

- Introduction to Floodplain Risk Management
- Managing Flood Risk to Existing Property
- Effective Consideration of Flood Risk in Land using Planning.

Further information

For further information, contact:

Angelia Lawah, UTS: Engineering Short Course Administrator

telephone +61 2 9514 1806

email Liuangelia.Lawah@uts.edu.au

www.uts.edu.au/future-students/engineering/about-engineering/engineering-short-courses

Undergraduate course information

UTS: Engineering's flagship course is the five-year Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142). Students graduating with this award can major in civil, civil and environmental, electrical, ICT engineering, innovation, mechanical, mechanical and mechatronic engineering or graduate without specifying a major. In addition, a major may be combined with a sub-major in another discipline.

UTS: Engineering also offers a four-year Bachelor of Engineering (C10067) (see page 155) available only to international students, a three-year Bachelor of Engineering Science (C10066) (see page 152) available only to international students, as well as the combined degree awards Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice (C10062) (see page 148), Bachelor of Engineering Bachelor of Business (C10065) (see page 151), Bachelor of Engineering Bachelor of Science (C10073) (see page 162), Bachelor of Engineering Bachelor of Medical Science (C10075) (see page 170), Bachelor of Engineering Bachelor of Biotechnology (C10078) (see page 172) and Bachelor of Engineering Science Bachelor of Laws (C10136) (see page 194).

The same educational philosophy underpins all awards: students undertake a set of core subjects, a set of practice subjects that defines their major and, in some cases, a set of electives. The Diploma in Engineering Practice award requires the completion of two internships. The single Bachelor of Engineering and combined Bachelor of Engineering courses require the completion of 12 weeks work experience. The credit recognition policies and assumed knowledge are the same for all courses.

The Bachelor of Engineering Diploma in Engineering Practice is described below including information on course structure. For detailed information on the subjects in each major, or information on other courses, refer to the individual course entries.

Bachelor of Engineering Diploma in Engineering Practice

The program leading to the combined award of Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) (BE DipEngPrac) is a comprehensive preparation for careers in the professional practice of engineering.

The BE DipEngPrac is a combined award and the Diploma in Engineering Practice is not available separately. Both elements of the program are closely interwoven and interdependent, and prepare students for professional engineering internships by linking theory and application. The degrees combining engineering with business, biotechnology, science and medical science may also be combined with the Diploma in Engineering Practice.

As noted above, the combination of formal academic learning in the University and experiential learning in the workplace is called 'cooperative education'. UTS: Engineering courses have embodied this principle for over 30 years. The courses are highly regarded in industry and, according to many reports and surveys, graduates have enjoyed correspondingly high employment rates; the highest of any engineering degree courses in Australia.

Engineering education in many countries is undergoing revolutionary change and the UTS program is at the forefront of much of this change.

At present, students can major in the combined award in one of the following areas: civil engineering, civil and environmental engineering, electrical engineering, ICT engineering, innovation engineering, mechanical engineering, mechanical and mechatronic engineering, or with a non-specified major. The choice of major can be made at entry or postponed until the end of the first year without extending completion time (subject to availability of places and adequate performance). Further majors may be introduced in subsequent years in response to technological developments and employment demand, and provision will be made to allow students to change from existing majors. It is also possible for students to negotiate a program that focuses on an area outside the designated majors. There is considerable elective scope which can be used to extend engineering knowledge or to take a sub-major in a discipline such as business or social science.

Course structure

The overall program comprises five principal components: the core program, the Engineering Practice Program, the fields of practice subjects, the electives and the Capstone Project. The core program, the Engineering Practice Program and the Capstone Project are common to all students undertaking the BE DipEngPrac.

Core program

This component provides a framework covering knowledge, skills and attributes that are relevant to all engineers across all fields of practice. It consists of common mathematics and physics subjects, and common engineering subjects which draw on several fields of engineering practice to develop interdisciplinary knowledge and skills within the larger context of professional practice.

The core program runs throughout the course from admission to graduation. Students take differing combinations of subjects in their first year, and in each successive year, depending on their choice of major.

Engineering Practice Program

The Engineering Practice Program supports and assesses student learning in workplace and community environments. Its objectives are to prepare students for engineering work experience, to support them during that experience and to assist them in maximising learning. The program also supports the integration of this experiential learning with the theoretical and practical aspects of the academic curriculum.

A fundamental objective is to develop the ability to learn in a wide variety of modes and contexts and to critique and contribute to those learning environments on a lifelong basis.

The program is administered through a series of subjects offered in various modes. Students enrol in the program as a whole and are guided through the respective modules. Students are ultimately responsible for their progression through the program. Academic staff and workplace mentors and supervisors act as facilitators; administrative staff assist in ensuring that students' progress is recorded and validated; and Industry Partnering Unit staff assist students in securing suitable work placements and in establishing cooperative programs with industry and the community.

The minimum time in the workplace required to satisfy each engineering internship subject is 22 weeks. In total, however, 48 weeks must be gained by the required deadline to meet course requirements and to be eligible to graduate.

Internships are organised into two blocks of six months each. Students are required to undertake the relevant prerequisite subjects prior to undertaking their internships and in a semester following an internship are required to enrol in the appropriate review subjects. Credit point limits also apply to some of these subjects. Details of prerequisite subjects and subjects required to be completed after each internship are listed under STM90271.

While students are encouraged to undertake additional work experience, they are only permitted to complete each of the two official internships once.

Industry Partnering Unit

The Industry Partnering Unit (IPU) assists students in obtaining internships. The staff of the IPU maintain contact with industry and on average facilitate 250 internships a semester. IPU staff keep records of students' intentions of seeking and securing internships. A service is also offered to advise students on the preparation of résumé, presentation at interviews and advice on how to find work opportunities in Australia and overseas. Students seeking work experience must register with IPU in the semester preceding their intended period of work and the semester of their internship.

IPU maintains a database, called Industry Internship Management System (I2MS), which provides the interface between the student and company. Once students have access and an active résumé on I2MS they can apply for internships. This system also records the detail of junior and senior internships. It is the students' responsibility to advise IPU of the start and finish dates of the internship and also check they enrolled in the appropriate engineering experience subjects.

Fields of practice and majors

This component relates theoretical and practical learning from core subjects to applications in specific fields of engineering internship. It develops knowledge of engineering science and technologies relevant to particular branches of engineering and specialist technical expertise. Particular sets of subjects constitute majors in the respective fields of practice, as set out below. A major provides the essential foundations needed for practice in that field, familiarity with current practice, awareness of likely developments and knowledge of resources available for future self-directed learning.

All majors emphasise and develop the essential engineering skills of observation and experimentation, analysis and synthesis, modelling, systems thinking, conceptual reasoning and judgment, and problem formulation and solving, using as case studies the technologies and contexts relevant to the particular field of practice. Each major involves substantial laboratory content, designed to integrate theoretical and practical understanding. All are designed to link with the core program and with engineering internship.

The totality of all fields of practice subjects across all majors provides the pool from which students wishing to graduate with a non-specified major may draw (subject to approval) to make up their field of practice component. Some fields of practice include subjects taught wholly or partly by other faculties.

Electives

In general, students may devote 24 credit points to electives. A range of electives may be taken to broaden or deepen knowledge. Some students may wish to explore introductory engineering subjects before making their choice of major, in which case the additional subject(s) may be counted (subject to conditions) as part of the elective component. The elective component also provides a mechanism for recognition of prior learning. Further, the elective component affords maximum flexibility for students wishing to undertake study on international exchange with our overseas partner institutions.

Students are not permitted to take an elective subject that covers substantially the same material as a required subject or a subject already undertaken. Undergraduate students may enrol in approved UTS: Engineering postgraduate subjects provided they have completed at least 120 credit points of their undergraduate degree and met prerequisite requirements. Undergraduate students may undertake up to four approved postgraduate subjects. A maximum of three approved postgraduate subjects recently undertaken as part of an undergraduate degree may be used to apply for exemptions from a UTS: Engineering master's degree provided the subjects fulfil the equivalent subject requirements.

The combined degrees have no electives.

Capstone Project

In the final semesters of the degree, each student undertakes a Capstone Project, supervised by a member of academic staff and designed to consolidate and integrate learning in all aspects of the program. Industry-linked projects, under joint supervision, are strongly encouraged.

The project topic must be approved by an academic supervisor and must be relevant to the field of practice concerned. It may be largely technical in emphasis or it may encompass a range of technical and contextual challenges.

The Capstone Project results in a substantial report which must be written and produced to professional engineering standards and must demonstrate the student's readiness for professional engineering practice.

Credit recognition

Students with prior formal learning (such as other university study or TAFE qualifications) may be entitled to credit recognition in the form of subject exemptions. The level of credit recognition depends on the relevance of the area of study to the proposed major in the BE DipEngPrac. For a TAFE diploma in the same area students can expect to receive between 24 and 36 credit points of exemptions, depending on the grades obtained in the TAFE subjects.

Exemption from part of the Engineering Practice Program is granted only on the basis of actual work experience completed before commencing the course that can be shown to meet the required standards. The maximum exemption given is for one work-experience semester. Without exception, all students in the engineering practice program must complete all components associated with the second internship.

UTS: Engineering reserves the right to advise any student who is admitted with credit recognition, and who is not succeeding in the program, to undertake some or all of the subjects from which exemption had been granted.

Postgraduate course information

UTS: Engineering offers postgraduate coursework and research programs, providing a wide range of professional development opportunities to engineers and other graduates. In fulfilling these responsibilities, UTS: Engineering draws on its close links with industry to offer distinctive programs that are highly regarded by engineering-dependent enterprises.

In 2012, over 900 students were enrolled in postgraduate coursework programs and over 200 in research degree programs.

Postgraduate award courses may be taken by coursework or research. UTS: Engineering supports research through its management of postgraduate research, development of research strengths and centres, encouragement of individual researchers and research teams, facilitation of interdisciplinary research, and sponsorship of visits to UTS: Engineering by internationally renowned experts.

In addition to award courses, UTS: Engineering provides opportunities for continuing professional development through studies undertaken on a non-award basis.

The following information is intended to assist postgraduates to plan and complete their studies within UTS: Engineering. Additional information can be obtained online and from other publications or by direct inquiry.

Postgraduate coursework

Specialist courses

UTS: Engineering offers specialist courses by coursework in several fields. Each of these courses includes core subjects which must be satisfactorily completed during studies for the award.

Students in any specialist course receive preference in the allocation of class places in core subjects. Students taking popular subjects through elective studies are allowed to enrol when places are available.

- Master of Engineering Management (C04094) (see page 366)
- Master of Engineering Management Master of Business Administration (C04102) (see page 375)
- Master of Engineering Studies Master of Engineering Management (C04207) (see page 391)
- Master of Environmental Engineering Management (C04098) (see page 374)
- Graduate Certificate in Engineering Management (C11054) (see page 487)
- Graduate Certificate in Environmental Engineering Management (C11051) (see page 486)

General courses

A range of coursework programs is available through UTS: Engineering, leading to the general awards of Master of Engineering (by coursework), Master of Engineering Studies and Graduate Certificate in Engineering.

For each of these general awards, postgraduate majors are available. The majors offered reflect current research strengths and interests in UTS: Engineering.

- Master of Engineering (C04090) (see page 362)
- Master of Engineering Studies (C04097) (see page 367)
- Graduate Certificate in Engineering (C11048) (see page 482).

Distance education

Flexibility is a major feature of UTS: Engineering's postgraduate engineering management and environmental engineering management programs.

The distance education program is designed to meet the professional needs of busy engineers. Core subjects and a selection of electives can be taken in distance mode as well as standard attendance mode.

Students who want to undertake a course in distance mode may have to follow a restricted course structure as not all subjects are offered in distance mode.

The following are examples of subjects that may be offered in distance mode:

- 49122 Ecology and Sustainability
- 49003 Economic Evaluation
- 49121 Environmental Assessment and Planning
- 49001 Judgment and Decision Making
- 49069 Leadership and Responsibility
- 49013 Managing Information Technology in Engineering
- 49002 Managing Projects
- 49309 Quality Planning and Analysis
- 49123 Waste and Pollution Management.

Progression

Postgraduate engineering students may be excluded from further study at the University if they fail more than 50 per cent of the total number of enrolled credit points from the commencement of the course.

Postgraduate engineering students may also be excluded from a course if they exceed the maximum time allowed for completion of that course (see rule 10.5).

Timetables

UTS timetable information is available from:

http://timetable.uts.edu.au

Majors

Postgraduate majors are available in the Master of Engineering (ME), Master of Engineering Studies (MEStud) and Graduate Certificate in Engineering (GradCertE).

UTS: Engineering offers an extensive range of programs by research and/or coursework through its award and non-award courses. A selection of these program majors are described below. Information on other specialist research areas can be obtained from individual members of academic staff.

Program majors have been developed to match the needs of engineers and other professionals. They provide opportunities for advanced studies and professional development in engineering and cross-disciplinary areas between engineering and other disciplines. All postgraduate program majors are differentiated by their focus, structure, presentation, attendance flexibility, assessment practices and multiple entry/completion options.

Students are entitled to have the name of the major listed in their degree transcript (not the testamur) if they have completed the following.

- ME (by coursework): a minimum of four subjects (24 credit points) must be completed within the particular postgraduate program major as described below, together with an approved graduate project in the major of between 18 and 30 credit points. Indicated major compulsory subjects must be completed.
- MEStud: a minimum of four subjects (24 credit points) must be completed within the particular postgraduate program major. Indicated compulsory major subjects must be completed. Any special topics listed in the program major are not available in the MEStud. To obtain the energy planning and policy major, students must complete eight subjects (48 credit points) from the respective program major list. MEStud management subjects do not apply to these majors. To obtain the software engineering major, students must complete all five subjects from the major as well as the management subjects.
- GradCertE: a minimum of three subjects (18 credit points) must be completed within the particular postgraduate program major as described below. Indicated compulsory major subjects must be completed.

Postgraduate program majors reflect current research strengths and interests in UTS: Engineering and change with time. The availability of individual subjects in any year is influenced by student demand, arrangements with visiting lecturers, scheduling within the University and policies on class sizes.

If, in the opinion of the Director of Postgraduate Coursework Programs, a student does not have the required prerequisite knowledge to successfully undertake and complete a major, the student may be required to undertake one or two preparatory undergraduate subjects.

Biomedical Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Dr Steven Su

CB01.24.10B

telephone +61 2 9514 7603

fax +61 2 9514 2435

email Steven.Su@uts.edu.au

Civil Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Dr Shami Nejadi

CB02.5.12

telephone +61 2 9514 2617

fax +61 2 9514 2633

email Shami.Nejadi@uts.edu.au

Civil Engineering and Structural Engineering

This major is available in the MEStud only.

Academic inquiries

Dr Shami Nejadi

CB02.5.12

telephone +61 2 9514 2617

fax +61 2 9514 2633

email Shami.Nejadi@uts.edu.au

Computer Control Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Dr Steven Su

CB01.24.10B

telephone +61 2 9514 7603

fax +61 2 9514 2435

email Steven.Su@uts.edu.au

Energy Planning and Policy

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Professor Deepak Sharma

CB02.7.078

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fax +61 2 9514 2633

email Deepak.Sharma@uts.edu.au

Engineering Management

This major is available in the ME only.

Specialist programs in engineering management are available as a Master of Engineering Management (C04094) (see page 366) and as a Graduate Certificate in Engineering Management (C11054) (see page 487).

Academic inquiries

Ravindra Bagia
CB02.7.084A
telephone +61 2 9514 2432
fax +61 2 9514 2435
email Ravindra.Bagia@uts.edu.au

Environmental Engineering

This major is available in the ME only.

Specialist programs in environmental engineering management are available as a Master of Environmental Engineering Management (C04098) (see page 374) and as a Graduate Certificate in Environmental Engineering Management (C11051) (see page 486).

Academic inquiries

Dr Pam Hazelton
CB02.5.25
telephone +61 2 9514 2661
fax +61 2 9514 2633
email Pam.Hazelton@uts.edu.au

Local Government Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Ken Halstead
CB02.5.25
telephone +61 2 9514 2640
fax +61 2 9514 2633
email Ken.Halstead@uts.edu.au

Manufacturing Engineering and Management

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Dr Jinchen (JC) Ji
CB01.20.30
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fax +61 2 9514 2435
email Jin.Ji@uts.edu.au

Operations

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

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telephone +61 2 9514 2628
fax +61 2 9514 2549
email Hasan.Akpolat@uts.edu.au

Software Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

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CB01.22.10
telephone +61 2 9514 2528
fax +61 2 9514 2435
email Zenon.Chaczko@uts.edu.au

Structural Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

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CB02.5.12
telephone +61 2 9514 2617
fax +61 2 9514 2633
email Shami.Nejadi@uts.edu.au

Systems Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

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fax +61 2 9514 2435
email Ravindra.Bagia@uts.edu.au

Telecommunication Networks

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Anthony Kadi
CB01.24.30
telephone +61 2 9514 2459
fax +61 2 9514 2435
email Anthony.Kadi@uts.edu.au

Telecommunications Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Anthony Kadi
CB01.24.30
telephone +61 2 9514 2459
fax +61 2 9514 2435
email Anthony.Kadi@uts.edu.au

Telecommunications Engineering and Telecommunication Networks

This major is available in the MEStud only.

Academic inquiries

Anthony Kadi
CB01.24.30
telephone +61 2 9514 2459
fax +61 2 9514 2435
email Anthony.Kadi@uts.edu.au

Water Engineering

This major is available in the ME, MEStud and graduate certificate.

Academic inquiries

Dr Pam Hazelton
CB02.5.25
telephone +61 2 9514 2661
fax +61 2 9514 2633
email Pam.Hazelton@uts.edu.au

Postgraduate research

UTS: Engineering has a lively and cutting-edge research culture driving advances in engineering and IT technology, practice and education. UTS: Engineering's research is needs-driven and collaborative and works with many enterprises in business partnerships. Researchers are world-class and recognised leaders in their fields, responsible for delivering new, better and more cost-effective solutions to complex engineering challenges.

Research is varied and utilises modern laboratories and research facilities on the City campus, Broadway. These are supported by extensive computing facilities and library services. The laboratories have excellent back-up workshops and expert support staff. Many opportunities exist for professional development through challenging, well-resourced research programs.

Contacts and inquiries

The management and administration of all research matters of the Faculty of Engineering and Information Technology is managed through the faculty's Research Office, headed by the Associate Dean (Research). The office is responsible for a broad range of matters including, but not limited to, research-strategic priorities, policy and planning, and advice and support to faculty staff in preparing grant applications, research publications, research conferences and research degree student supervision. The associate dean is supported by the Director of Research Programs, the Research Manager and the research administration officers, who are responsible for the academic management and support of research degree students and general research matters respectively.

Research matters are governed via the Research Management Committee and Research Degrees Committee that report to the Faculty Board in Engineering and Information Technology. The Research Management Committee has overarching responsibility for determining the faculty's research strategies and policies, and for making recommendations in relation to building research culture and profile, and for budgetary and resourcing matters relating to research. The Research Degrees Committee makes recommendations and sets policies relating to candidature management of higher degree by research students, from admission through to graduation.

Specific inquiries should be directed to the Faculty of Engineering and Information Technology Research Office. Key staff are:

Associate Professor Jaya Kandasamy
Director of Research
telephone +61 2 9514 2558
email Jaya.Kandasamy@uts.edu.au

Dan Gollan
Research Manager
telephone +61 2 9514 7863
email Daniel.Gollan@uts.edu.au

Phyllis Agius
Research Administration Officer
telephone +61 2 9514 2686
email Phyllis.Agius@uts.edu.au

Gunasmin Lye
Research Administration Officer
telephone +61 2 9514 2663
email Gunasmin.Lye@uts.edu.au

Craig Shuard
Research Administration Officer
telephone +61 2 9514 2591
email Craig.Shuard@uts.edu.au

General inquiries from domestic students should be directed to:
UTS Graduate Research School
telephone +61 2 9514 1336

General inquiries from international students should be directed to:
UTS International
telephone 1800 774 816 (free call within Australia)

Research profile and strengths

The Faculty of Engineering and Information Technology has a number of key research centres and institutes. These centres are hives of research activity that have international standing within their respective discipline areas. The centres and institutes include:

- Advanced Analytics Institute
- Centre for Built Infrastructure Research
- Centre for Energy Policy
- Centre for Electrical Machines and Power Electronics
- Centre for Health Technologies
- Centre for Human-Centred Technology Design
- Centre for Innovation in IT Services and Applications
- Centre for Quantum Computation and Intelligent Systems
- Centre for Intelligent Mechatronic Systems
- Centre for Real-Time Information Networks
- Centre for Technology in Water and Wastewater.

Collaborative research

UTS: Engineering's researchers work with private and public companies to achieve their strategic objectives in engineering research and development. These collaborative programs tend to be long-term and offer mutually beneficial outcomes, with the economic, business, social and environmental dimensions of engineering being addressed explicitly. Most collaborative research is supported by sponsorships or grants.

Research opportunities and major research areas

Research opportunities are available in the following areas of specialisation.

School of Computing and Communications: wireless relay/mesh and cooperative networking, body area networking, micro- and nano-scale networks, 4G (WiMAX, LTE), short-range RF and inductive near field communication systems and sensing, antennas and propagation, microwave engineering, national broadband network, multi-antenna systems, wireless sensor networks, bio-mimetic paradigms for network management and configuration, autonomic communications, anticipatory systems, radio resource management (RRM) mechanisms, Satellite communications and broadcasting, LAN/WAN enterprise networking, network embedded applications, m-health monitoring, mobile networks, personal area networks, multilayer switching, mobile and distributed multimedia applications and services, network security, internet service architecture, programmable networks, internet quality of service, web technologies, web architecture framework, mobile commerce and internet business, location-based services, network grid services, peer to peer networks, digital signal processing, pattern recognition, computer vision, multimedia, image processing, image and video analysis, machine learning, cognitive and affective multimedia content analysis and multimedia systems.

School of Civil and Environmental Engineering: built infrastructure, structural engineering, geotechnical engineering, construction materials, local government, road engineering, water and environmental resource management, water modelling, membrane technology in water and wastewater treatment, soil contamination and remedial techniques, and solid waste management.

School of Electrical, Mechanical and Mechatronic Systems: advanced control, artificial intelligence, autonomous robotics, automotive engineering, biomedical engineering, energy, embedded systems, health technologies, mechatronics, power systems, and renewable energy.

School of Software: art and technology, artificial intelligence, computer animation, computer games, computer graphics, computer usability, data mining, e-finance, e-government, e-health, e-marketing, e-safeguard, e-security and e-service, emergency management, expert systems, human-computer interaction, information systems, innovation and creativity, innovation and technology, intelligent agents, intelligent problem solving and smart business decision-making in engineering, interaction design, interactive entertainment, interactive storytelling, learning environments, multi-agent systems, multimedia, next-generation automated enterprise cooperative infrastructure, object-oriented computing, object-oriented processes and methodologies, ontologies, optimisation activities, quantum computing, ray tracing, rendering techniques, requirements engineering, resource planning, robotics, semantic web, smart trading systems, software development, and technology design and use.

School of Systems, Management and Leadership: energy policy and planning, engineering practice, environmental risk, information systems, IT education, IT governance, IT strategy and management,

knowledge management, operations and risk management, strategic IT leadership, systems analysis and design, systems development, and systems theory and socio-technical systems.

Further information is available from:

www.eng.uts.edu.au

Research centres and institutes

The Faculty of Engineering and Information Technology supports several institutes and centres, each capturing established research strengths in engineering, information technology and related fields. These include the following.

Advanced Analytics Institute (AAI)

AAI provides interdisciplinary expertise and leadership in areas including data mining, machine learning, applied statistics, behaviour analytics, data science and engineering, marketing, finance, economics, decision-making, optimisation and risk management. AAI offers cross-disciplinary and cross-domain research capabilities and hands-on experience in advanced analytics across historical data, real-time information and future trends. Analytics is a fast-growing global industry with an ever-increasing demand for qualified graduates. At UTS, a cross-disciplinary approach to analytics research brings together experts from across UTS's faculties and research centres to form a specialist analytics group. AAI brings together leading researchers from the Faculty of Engineering and IT, the Faculty of Business, the Centre for Quantum Computation and Intelligent Systems (QCIS) and the Centre for the Study of Choice (CenSoC). The Institute also fosters dedicated research and development resources for advanced analytics and receives resource support from the UTS External Engagement department and the UTS Research Innovation Office.

AAI offers unique training programs in broad-based analytics. AAI is working towards fostering world-class specialists and analytical project managers for specific domains through a supervisor-driven and practice/project-oriented approach, interdisciplinary workshops, short courses (including executive training), and day-to-day engagement in tier-one organisations.

Director

Associate Professor Longbing Cao

telephone +61 2 9514 4411

email advancedanalytics@uts.edu.au

www.analytics.uts.edu.au

Centre for Built Infrastructure Research

The Centre for Built Infrastructure Research (CBIR) comprises a multidisciplinary team of researchers from the faculties of Engineering and Information Technology; Science; and Design, Architecture and Building. CBIR's nationally and internationally renowned work focuses on finding solutions to important global problems in control, rehabilitation and health monitoring of building structures and bridges, green and smart materials, sustainable design, management, improvement, safety, and conservation.

Director

Professor Bijan Samali

telephone +61 2 9514 2023

email Bijan.Samali@uts.edu.au

www.research.uts.edu.au/strengths/bi

Centre for Electrical Machines and Power Electronics

The Centre for Electrical Machines and Power Electronics (CEMPE) is principally concerned with electrical variable speed drives and generation of electricity using rotating electrical machines and renewable sources (such as wind and hydro). The technical research disciplines necessary for these two areas are very similar, covering electrical machines design, power electronics and mechanical design. The interest in renewable energy generation is primarily for remote areas and developing countries, so the incorporation of expertise in design for such areas is valuable, with the inclusion of energy requirements analysis, energy economics, technology transfer and human management issues.

Director

Professor Joe Zhu

telephone +61 2 9514 2318

email Jianguo.Zhu@uts.edu.au

http://services.eng.uts.edu.au/cempe

Centre for Energy Policy

The Centre for Energy Policy (CEP) addresses contemporary energy and environmental policy issues in national and international contexts. Energy market reforms, environmental policy options and energy–economy interactions are key areas of focus. Research undertaken in the centre is policy-oriented, applied and cross-disciplinary, emphasising the weaving together of technical, business, economic, legal, social, political and philosophical dimensions of energy, environmental and economic policies.

Director

Professor Deepak Sharma

telephone +61 2 9514 2422

email Deepak.Sharma@uts.edu.au

Centre for Health Technologies

The interdisciplinary research skill-base brought together in the Centre for Health Technologies (CHT) is unique in Australia in the development of medical devices and systems. The CHT has four research programs: non-invasive instrumentation, bio-therapeutics, bio-electromagnetics and nano-biotechnology. Its focus is on health and disease processes, and the development of new devices and advanced methods for the early detection, diagnosis and rehabilitation of cardiovascular disease, diabetes, neurological disorders and cancer. Its research has already produced several new-device technologies which are at the cutting edge of biomedical engineering and science.

Director

Professor Hung Nguyen

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Co-director

Professor Ann Simpson

telephone +61 2 9514 4097

email Ann.Simpson@uts.edu.au

http://services.eng.uts.edu.au/~htn/health.html

Centre for Human Centred Technology Design

The Centre for Human Centred Technology Design (HCTD) is committed to information and communications technology (ICT) design research, methods and approaches, as defined by its commitment to the human, that is, to those who will use the technology.

HCTD's approach furthers the development of a much needed socio-technical perspective on technology design that can both balance and extend the more common technology driven or management driven perspectives. HCTD's focus is on understanding the complex interplay between the drivers of social, organisational and technical change and how these shape, and are shaped by, the design, implementation and use of information and communication systems. The centre's research outcomes contribute to the design and development of ICT that fit easily and appropriately into the social, cultural and organisational contexts within which they will be used.

Directors

Professor Toni Robertson

email Toni.Robertson@uts.edu.au

Professor Didar Zowghi

email Didar.Zowghi@uts.edu.au

Laboratories and contacts

Interaction Design and Human Practice Laboratory (IDHuP)

Lab Director: Professor Toni Robertson

email Toni.Robertson@uts.edu.au

Requirements Engineering Research Laboratory (RE)

Lab Director: Professor Didar Zowghi

email Didar.Zowghi@uts.edu.au

Creativity and Cognition Studio (CCS)

Lab Director: Professor Ernest Edmonds

email Ernest.Edmonds@uts.edu.au

Games Studio

Lab Director: Associate Professor Yusuf Pisan

email Yusuf.Pisan@uts.edu.au

Leadership for Innovation in the Digital Age Research Community (LiDA)

Lab Director: Associate Professor Ken Dovey

email Ken.Dovey@uts.edu.au

Centre for Object Technology Applications and Research (COTAR)

Lab Director: Professor Brian Henderson-Sellers

email Brian.Henderson-Sellers@uts.edu.au

Technology, Education, Development and Design Research Laboratory (TEDD)

Lab Director: Andrew Litchfield

email Andrew.Litchfield@uts.edu.au

Centre for Innovation in IT Services and Applications

The Centre for Innovation in IT Services and Applications (iNEXT) is a world-class research environment for developing and nurturing innovation for the next generation IT services and applications, including internet-enabled business applications, mobile health services, high-end visualisation technologies, novel image processing architectures and advanced video surveillance systems.

- Future internet: iNEXT aims to develop those enabling mechanisms that will allow the transformation of the current connectivity infrastructure into the service infrastructure of tomorrow's internet.
- Applications and services: iNEXT aims to develop innovative applications with special focus on assistive mobile health and internet-enabled business applications.
- Visual information processing: iNEXT aims to define novel visualisation techniques and intelligent recognition algorithms for extracting important information from video streams and wireless sensor networks for surveillance and environmental monitoring purposes.

Commercialisation of such applications and services is particularly emphasised. iNEXT includes a significant research training component, graduating many research students in the past years.

Directors

Professor Doan Hoang

email Doan.Hoang@uts.edu.au

Professor Massimo Piccardi

email Massimo.Piccardi@uts.edu.au

Laboratories and contacts

Advanced Research in Networking

Lab Director: Professor Doan Hoang

email Doan.Hoang@uts.edu.au

Computer Vision and Image Processing Lab

Lab Director: Professor Xiangjian He

email Xiangjian.He@uts.edu.au

Surveillance Lab

Lab Director: Professor Massimo Piccardi

email Massimo.Piccardi@uts.edu.au

Visualisation Laboratory

Lab Director: Associate Professor Mao-Lin Huang

email Mao.Huang@uts.edu.au

Centre for Intelligent Mechatronic Systems

Building on 15 years of strong cross-disciplinary research in electrical machines and power electronics at UTS, the Centre for Intelligent Mechatronic Systems (CIMS) integrates the disciplines of mechanical, electrical and electronics engineering and computer systems. Its four main research directions are: autonomous robots (operating in unstructured environments and for infrastructure maintenance, search and rescue, health care and road vehicles); electrical machines (new materials and topologies, system optimisation, variable speed control and compact, low-temperature fuel cells); automotive systems (performance, comfort, fuel efficiency, road safety and emission control); and human factors (physiological and psychological aspects of human–machine and human–environment interaction).

Director

Professor Gamini Dissanayake

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email Gamini.Dissanayake@uts.edu.au

www.research.uts.edu.au/strengths/imes

Centre for Quantum Computation and Intelligent Systems

The Centre for Quantum Computation and Intelligent Systems (QCIS) is a research centre within the University's Priority Investment Research Program. The centre's mission is to be acknowledged by research centres throughout the world as a pre-eminent research centre in quantum computation and intelligent systems, and to be acknowledged by Australian industry and government as a leading source of knowledge and expertise in quantum computation and intelligent systems.

The centre was established in April 2008 with a vision to develop:

- theoretical foundations for quantum computation
- theoretical foundations for intelligent systems, and
- innovative technologies for intelligent systems.

This technology will result in next-generation enterprise intelligent information systems.

The centre's five major research programs cover quantum computation, knowledge discovery, decision support, innovation and infrastructure enhancement. Together, these programs develop a set of innovative and practical methodologies and techniques for intelligent information processing and system building for a broad range of businesses in the finance, marketing, security, health, government and engineering sectors.

Director

Professor Chengqi Zhang

email Chengqi.Zhang@uts.edu.au

Co-director

Professor John Debenham

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www.qcis.uts.edu.au

Laboratories and contacts

Quantum Computation Laboratory

Lab Director: Associate Professor Runyao Duan

email Runyao.Duan@uts.edu.au

Data Sciences and Knowledge Discovery Laboratory

Lab Director: Professor Xingquan Zhu

email Xingquan.Zhu@uts.edu.au

Decision Systems and e-Service Intelligence Laboratory

Lab Director: Professor Jie Lu

email Jie.Lu@uts.edu.au

Knowledge Infrastructure Enhancement Laboratory

Lab Director: Dr Paul Kennedy

email Paul.Kennedy@uts.edu.au

Innovation and Enterprise Research Laboratory

Lab Director: Professor Mary-Anne Williams

email Mary-anne.Williams@uts.edu.au

Centre for Real-Time Information Networks

The Centre for Real-Time Information Networks (CRIN) aims to support research and development activities related to the efficient creation, collection, transmission, analysis and use of information in real-time, engineering-embedded applications. The centre supports the improvement of Australian society through a focus on applied research achieved through close links with both industry and research bodies working in appropriate application domains.

Examples of priority areas of interest for the centre are national security for safeguarding Australia, healthcare diagnosis and monitoring for the cost-effective improvement of the health of Australians, environmental and resource monitoring for a sustainable Australia, and the smart use of the web in supporting Australian industry.

The centre aims to design, fabricate and test proof of concept systems, in which the performance and operational suitability of the developed systems shall be demonstrated. The proof of concept systems may be electronic hardware, software, or a combination of hardware and software, and will include the latest prototyping technologies, such as embedded processors, high-performance networks and sophisticated distributed software applications.

Director (acting)

Associate Professor Kumbesan Sandrasegaran

telephone +61 2 9514 2428

email Kumbesan.Sandrasegaran@uts.edu.au

www.crin.uts.edu.au

Centre for Technology in Water and Wastewater

The Centre for Technology in Water and Wastewater (CTWW) undertakes research to ensure the sustainable management of water resources in both urban and rural environments, in Australia and internationally. This collaborative research centre links researchers, government, industry and community partners through its research programs, which include solid liquid separation and filtration technologies in water treatment; innovative biological treatment systems for wastewater treatment; membrane hybrid and nanotechnology systems in water, wastewater and stormwater treatment; water reuse; desalination; in situ barrier and other systems for treatment of groundwater, surface and groundwater hydrology; bio-solid and waste management; urban water cycles and soil/aquifer management and modification; and flood management and catchment modelling for flood prediction.

Director

Professor Saravanamuth Vigneswaran

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www.research.uts.edu.au/strengths/ctww

UTS: HEALTH

Information for students

Location, contacts and inquiries

UTS Student Centres

The UTS Student Centres are both the initial and primary point of contact for all students. Students should deal with the student centres in all matters affecting their studies. This includes enrolment, exemptions, timetable matters, examination and assessment, as well as a wide range of student administration procedures.

For specific UTS: Health information, students should contact the following UTS Student Centres.

City campus

Building 10 Student Centre

Foyer, Level 2, Building 10 (CB10.2)

235 Jones Street, Ultimo

telephone +61 2 9514 1222

Kuring-gai campus

Kuring-gai Student Centre

Foyer, Level 5, Building 1 (KG01.05)

Eton Rd, Lindfield

telephone +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Opening hours

UTS Student Centre opening hours are available at:

www.sau.uts.edu.au/contact

Faculty policies and procedures

NSW child protection legislation

Full details are provided in the NSW child protection legislation (see page 28) section in the University-wide general information.

Student administration matters

A range of student administration matters affect the progress of students through their studies. These are formally handled by the Student Administration Unit of the University.

The University's web enrolment system, through which students add and withdraw from subjects, allocate themselves to classes, update their contact details and access their complete study plan and subject results, may be accessed through My Student Admin at:

https://onestopadmin.uts.edu.au/estudent

Enrolled students are advised to refer to this website for their current personal and enrolment details.

A range of forms for various student administration matters can be obtained at:

www.sau.uts.edu.au/forms

They can also be obtained from the UTS Student Centres. These forms include applications for:

- credit recognition
- leave of absence, and
- course withdrawal.

Further information is available from the Student Administration Unit at:

www.sau.uts.edu.au

Submission of assignments

Nursing, midwifery and health

All assignments must be submitted by 4pm on the due date by being:

- placed in the Kuring-gai campus assignment box outside the academic programs office on level 3, Building 5, or
- placed in the City campus assignment box on level 7, Building 10, outside the faculty office (Jones Street end). Students are able to access this area via the lifts 7am–10pm Monday to Friday. On weekends contact UTS Security to arrange access.

Human movement and sport and exercise

All assignments must be submitted by 5pm on the due date by being:

- placed in the Kuring-gai campus assignment box on level 6 near room KG01.06.07.

All assignments must be accompanied by an assignment cover sheet, which can be downloaded from:

www.nmh.uts.edu.au/students/current/documents-policies

Do not use plastic folders or sleeves when lodging assignments.

Extensions

Applications for an extension of time for the completion of assignments must be made in writing on the appropriate form:

www.nmh.uts.edu.au/students/current/documents-policies

Extensions can only be granted by subject examiners or their nominees. Generally, an extension is only granted in the case of verifiable medical grounds or other serious matters.

Good academic practice

Students are advised to read the Advice to Students on Good Academic Practice policy available at:

www.gsu.uts.edu.au/policies/academicpractice.html

Referencing procedures

The Faculty of Health uses a specific referencing style called *Harvard (UTS)*. There are other forms of Harvard referencing, so to avoid confusion it is essential that you follow the guide provided at:

www.lib.uts.edu.au/help/referencing/harvard-uts-referencing-guide

There is also a short online tutorial available which provides a general overview about referencing using Harvard (UTS):

www.youtube.com/watch?v=cIartEt1pPk

Academic misconduct

Both the University and UTS: Health view the academic conduct of students very seriously. Students must ensure that they conduct themselves in a professional manner, and observe the various rules and policies at all times.

In those instances where a student breaches academic conduct, the rules relating to academic misconduct are strictly observed. Breaches can include cheating in an examination or a class test and not acknowledging the work of others (plagiarism).

Plagiarism

Plagiarism refers to the practice of using someone else's ideas or work and presenting them as one's own without acknowledgment. Plagiarism is literary or intellectual theft. It can take a number of forms, including:

- copying the work of another student, whether that student is in the same class, from a previous year of the same course, or from another tertiary institution
- copying any section, no matter how brief, from a book, a journal article, the internet or another written source, without duly acknowledging it as a quotation
- copying any diagram, illustration or chart without duly acknowledging the source
- paraphrasing or otherwise using the ideas of another author without duly acknowledging the source, and
- presenting an assignment written by another student as your own work.

Whatever the form, plagiarism is unacceptable both academically and professionally. By plagiarising you are both stealing the work of another person and cheating by representing it as your own. Any incident of plagiarism can therefore be expected to attract severe penalties.

Students who condone plagiarism by allowing their work to be copied are also subject to disciplinary action. If students are in any doubt about plagiarism they should discuss the matter with the subject examiner or their tutor.

Note: The above provisions are drawn in part from the *Faculty of Business Guidelines for the Preparation and Presentation of Assessed Work*, February 1998.

Misconduct provisions

The provisions relating to academic misconduct are designed to ensure fairness in the process, as well as allowing such issues to be investigated effectively.

The rules relating to academic misconduct, discipline and appeals for students can be found at:

www.gsu.uts.edu.au/rules/student/section-16.html

Laboratories

Nursing, midwifery and health

Nursing, midwifery and health laboratory staff are based in room KG02.3.51 and CB10.6.212 respectively, but can often be located in the laboratories situated at Kuring-gai campus in rooms 2.3.46, 2.3.49, 2.3.56, 2.3.60, 2.2.53, 2.2.56, and 2.2.62, and at City campus in rooms 10.6.206, 10.6.208, 10.6.209, 10.6.210, 10.6.214, 10.6.216, 10.6.219, 10.6.220, 10.6.221, 10.6.222, 10.6.224 and 10.6225.

The laboratories also offer the following:

- equipment and posters may be borrowed for presentations or tutorials
- videos may be viewed in the laboratory area
- textbooks are available for quick referencing.

Laboratories at Kuring-gai and City campuses are made available throughout the semester for students to practice learnt procedures.

Laboratory rules and safety

Students have a duty of care to themselves and others, and must cooperate and observe the following points when in the laboratories:

- For safety reasons, a maximum of 25 students is allowed in the practice lab at a time. The faculty recognises that there may be peak times, such as prior to examinations, when more practice capacity is required. Should this occur, additional labs may be made available for practice.
- Students must comply with all laboratory safety rules while in the labs. In particular, no food, drink or children are allowed in the laboratories, and covered shoes must be worn at all times.
- All problems must be reported to the relevant technical officer.
- Should the use of the practice lab be abused in any way, UTS: Health will review its operation.

Human movement and sport and exercise

The Human Movement and Sport and Exercise courses utilise laboratories located at Kuring-gai campus in rooms 1.607a, 1.607b, 3.601 and 3.403. These spaces are used for undergraduate teaching and postgraduate research.

Laboratory rules and safety

Students have a duty of care to themselves and others, and must cooperate and observe the following points when in the laboratories:

- Students must comply with all laboratory safety rules while in the labs. In particular, no food, drink or children are allowed in the laboratories, and covered shoes must be worn at all times.
- All equipment in the laboratories must be treated with respect. Any equipment malfunctions or technical issues should be reported immediately to academic staff and/or the technical officer.
- Where appropriate, subject outlines contain specific safety information and procedures that must be adhered to during classes.

Faculty centres and clinical professorships

UTS: Health has three centres and seven clinical professorships. The centres coordinate a range of international, educational, contract research, consultancy and continuing professional education activities on behalf of UTS: Health. The clinical professorships, which are each established under the sponsorship of an industry partner, are the primary locations of UTS: Health's research activities, particularly as they relate to practice development.

Centre for Health Services Management

Professor Christine Duffield (Director)

UTS Building 10, Jones St, Ultimo

Centre for Midwifery, Child and Family Health

Professor Caroline Homer (Director)

UTS Building 10, Jones St, Ultimo

Centre for Cardiovascular and Chronic Care

Professor Patricia Davidson (Director)

UTS Building 10, Jones St, Ultimo

World Health Organization Collaborating Centre for Nursing, Midwifery and Health Development

Professor John Daly (Director)

UTS Building 10, Jones St, Ultimo

Critical Care Nursing

Professor Sharon McKinley

Royal North Shore Hospital

Northern Sydney Local Health District

Child and Adolescent Nursing

Professor Jackie Crisp

Sydney Children's Hospital

Health and Ageing Research

Professor Lynn Chenoweth

Mental Health Nursing

Professor Jane Stein-Parbury

St George Hospital and Community Services

South Eastern Sydney and Illawarra Area Health Service

Midwifery

Royal North Shore Hospital

Northern Sydney Local Health District

Nursing Research and Practice Development

Professor Val Wilson

The Children's Hospital at Westmead

Nursing Research and Practice Development

Professor Lin Perry

Prince of Wales Hospital

South Eastern Sydney and Illawarra Area Health Service

Tresillian Chair in Child and Family Health Nursing

Professor Catherine Fowler

Tresillian Family Care Centres

Undergraduate course information

Contacts and inquiries

UTS Student Centres

The UTS Student Centres are both the initial and primary point of contact for all students. Students should deal with the student centres in all matters affecting their studies. This includes enrolment, exemptions, timetable matters, examination and assessment, as well as a wide range of student administration procedures.

For specific UTS: Health information, students should contact the following UTS Student Centres.

City campus

Building 10 Student Centre

Foyer, Level 2, Building 10 (CB10.2)

235 Jones Street, Ultimo

telephone +61 2 9514 1222

Kuring-gai campus

Kuring-gai Student Centre

Foyer, Level 5, Building 1 (KG01.5)

Eton Rd, Lindfield

telephone +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Opening hours

UTS Student Centre opening hours are available at:

www.sau.uts.edu.au/contact.html

Clinical Practice Unit

The Clinical Practice Unit manages student placements for clinical by requesting and securing placements in over 100 health facilities and placing students in over 5500 individual clinical settings each year.

Students who have issues regarding their clinical placement or while they are on clinical should contact the unit on:

telephone +61 2 9514 5122

email health.clinical.practice@uts.edu.au

Laboratories technical officers

Laboratories technical officers maintain UTS: Health's laboratories and other student technical resources. Bookings for and queries about the laboratories and resources, as well as queries regarding safety issues, should be directed to:

Jenny Keller

KG02.3.51

Kuring-gai campus

telephone +61 2 9514 5187

Carolyn Hayes

CB10.6.213

City campus

telephone +61 2 9514 4916

Faculty Academic Programs Office

The Academic Programs Office provides support and assistance to the UTS Student Centres on UTS: Health processes and issues and manages and supports UTS: Health's courses and specific student issues and processes. Students must contact the UTS Student Centre in the first instance and complex issues may be referred by staff in the UTS Student Centre to the Academic Programs Office.

Manager

Thusitha Perera

KG05.03.06

telephone +61 2 9514 5024

Subject logistics officer

Sarah Jeffers

CB10.07.270

telephone +61 2 9514 4564

Senior academic programs officer

Josefina Musa

KG05.03.07

telephone +61 2 9514 5073

Academic programs officers

Elaine Pereira

KG05.03.05

telephone +61 2 9514 5722

Aren Ren

KG05.03.08

telephone +61 2 9514 5128

Director of Undergraduate Nursing Studies

The director provides academic advice to nursing students on their program and other assistance such as helping students who experience difficulties coping with their academic work.

Aileen Wylie

KG05.02.15

telephone +61 2 9514 5154

Director of Midwifery Studies

The director provides academic advice to midwifery students on their program and other assistance such as helping students who experience difficulties coping with their academic work.

Athena Sheehan

CB10.07.248

telephone +61 2 9514 4576

Director of Clinical Practice

The director of clinical practice manages policy and procedures related to clinical practice.

Kelly-Anne Eyre

telephone: +61 2 9514 5137

Academic liaison officer

The academic liaison officer provides advice on alternative assessment to students with short or long-term disabilities, have carer responsibilities, who are pregnant or have English language difficulties.

Fran Rogan

KG05.04.09

telephone +61 2 9514 5581

Associate Dean (Teaching and Learning)

The associate dean is responsible for the overseeing and quality of academic activities and the coursework programs.

Joanne Gray

CB10.07.290

telephone +61 2 9514 4790

Faculty rules

Attendance

For students admitted into the Kuring-gai intake of the Bachelor of Nursing (C10122) (see page 176), most subjects are taught at Kuring-gai campus, however, students are required to attend City campus for Science subjects one day per week. For students admitted into the City intake of the Bachelor of Nursing (C10122) (see page 176), all subjects are taught at City campus in the first and second year of the program. In your final year, Introduction to Specialty Practice subjects will be held at the Kuring-gai campus. For students admitted into the Bachelor of Nursing Bachelor of Arts in International Studies (C10123) (see page 180), most subjects are taught at City campus. For students admitted into the Bachelor of Midwifery (C10225) (see page 236), all subjects are taught at City campus.

Class allocation

Students are allocated to particular groups or classes within a subject. This class determines when they attend laboratory sessions as well as tutorial times. Students must state their preferences for classes at enrolment. Students are allocated to classes and may then make changes to their allocation (subject to available places). Further information on this process is available from My Subject Activities at:

https://onestopadmin.uts.edu.au/estudent

Some class changes may be limited by nursing practice restrictions in some years of the undergraduate courses, or by cohort management.

Nursing and Midwifery Board of Australia registration

The Bachelor of Nursing, Bachelor of Nursing Bachelor of Arts in International Studies and Bachelor of Midwifery are accredited by the Nursing and Midwifery Board of Australia. Graduates are eligible to apply for registration as a Registered Nurse or Midwife. In addition, for registration eligibility, the Nursing and Midwifery Board of Australia requires applicants to provide evidence of identity and good character, and documented evidence for assessment of any variation to the standard education program, for example credit recognition. Detailed information is available at:

www.nursingmidwiferyboard.gov.au

Clinical placements

Note: Nursing clinical and midwifery practice ladders are available as downloadable PDFs from the online UTS: Handbook at:

www.handbook.uts.edu.au/health

Nursing practice policy

As part of their studies, students are required to undertake clinical practice in a variety of health facilities. This involves students being placed in a clinical environment in accordance with the nursing clinical ladder. Students are provided with a clinical facilitator who supports their clinical learning and undertakes their assessment.

UTS: Health makes every effort to place students in a health facility in close proximity to their home or close to public transport. However, this is often very difficult to achieve given the limited number of student placements. Students should expect to travel across the greater Sydney region during their program to meet their clinical requirements. Reasonable adjustments can be made for students with special needs and/or carer commitments.

Carer commitment – where a student is the *primary carer* of an immediate family member/s; such requests **must** be supported by the faculty's academic liaison officer (ALO).

Special needs – where, for example, a student has a disability and/or an existing or ongoing illness; such requests **must** be supported by UTS: Special Needs.

Where a student has registered with either the ALO or UTS: Special Needs, reasonable adjustments are taken to accommodate them; however, this is still limited to available placements. Students are responsible for submitting a placement allocation form at the beginning of each semester, and need to consider the impact on their academic progression and ability to graduate on time. For more information, contact the Clinical Practice unit:

email health.clinical.practice@uts.edu.au

Midwifery practice policy

As part of their studies, students are required to undertake clinical practice. This involves students being placed in a midwifery practice environment in accordance with the midwifery practice ladder. Students are supported by a midwifery practice facilitator or midwifery educator. UTS: Health makes every effort to place students in a health facility in close proximity to their home and close to public transport. However, this is often very difficult to achieve given the limited number of student placements, and students are asked to take this into consideration when they receive notification of their placement.

Students with disabilities

Students in the Bachelor of Nursing, the Bachelor of Nursing Bachelor of Arts in International Studies, or the Bachelor of Midwifery must undertake nursing and/or midwifery practice placements as a prerequisite to satisfactory course completion. Information regarding the practice placement procedures for students with disabilities is available from special needs (see page 36) in the University-wide general information.

Students commencing this course must consider the inherent requirements to be able to achieve a passing grade in their clinical practice assessments. Students with concerns should contact UTS: Special Needs.

Accident and incident reporting

Any student or staff member involved in an accident, injury or incident while on clinical placement must complete a standard accident/incident form. Both the student and their supervising facilitator or educator are required to complete the form, in addition to any other form/s required by the facility. For more information and to access the standard form, go to: UTS: Safety and Wellbeing.

If an injury sustained by a student raises doubts about the student's ability to attend subsequent nursing or midwifery practice experiences, the matter should be referred to the Director of Clinical Practice.

Attendance

The Nursing and Midwifery Board of Australia requires students to undertake a specified number of nursing or midwifery practice hours. One hundred per cent attendance on practice is required. Students who experience unforseen illness or misadventure, as per UTS rule 8.3, are required to complete a special consideration form.

Students in this category may then be offered completion of nursing or midwifery practice at the next available relevant placement. Should a student fail to complete all nursing practice hours for any other reason, including work or social commitments, they will not be offered the opportunity to complete their nursing practice hours, and run the risk of failing the subject.

Students are required to attend designated shifts while on nursing practice. Shift times vary between facilities; however, common start times are 7am and 1.30pm.

Completion of nursing or midwifery practice

When assessing whether students are eligible to undertake additional hours to complete their nursing or midwifery practice, the Faculty of Health examines a student's nursing or midwifery practice history, taking into account past attendance as well as the requirements of the Nursing and Midwifery Board of Australia. Therefore, it is in the interests of students to ensure that they maintain a complete attendance record.

As indicated above, students may not be given the opportunity to complete missed nursing practice hours and consequently may fail the subject.

Conduct

Students undertaking supervised nursing or midwifery practice must follow the directions given to them by their facilitator, midwifery educator of academic liaison officer or, in the absence of these, the staff of the hospital or agency concerned. Students are reminded that they are required to adhere to clinical placement facility policy and procedures. While on clinical practice students are being assessed on their professional conduct and failure to adhere to facility policy and procedures including professional conduct may result in an unsatisfactory assessment.

Safety

While on practice placement, all students are responsible for promoting and maintaining environmental health and safety (EHS) by:

- looking out for hazards, reporting them to the supervisor of the work area and helping to fix hazards
- taking action to avoid, eliminate or minimise risks
- following safe work methods and using personal protective equipment as required
- seeking information or advice as necessary, particularly before carrying out new or unfamiliar work
- participating in orientation activities
- reporting accidents and incidents to the supervisor of the work area
- reporting emergencies in line with the facility protocols
- disposing of any hazardous wastes in a safe and approved manner
- not willfully placing at risk the health, safety and welfare of others
- exercising a duty of care toward others in everything undertaken.

All students must be aware of risk management policies and processes and be capable of implementing these within the clinical environments. Students must also comply with the policies and procedures of the relevant health facility.

Pregnancy on clinical placements

Pregnancy does not preclude students from clinical practice however some clinical placements may be potentially harmful to the developing foetus and to the student. Pregnant students are expected to notify the Faculty of Health of their pregnancy if they are working or studying in areas where there may be particular health and safety issues, e.g. radiation, working with infectious disease, cytotoxic drugs or anaesthetic gases. Students who are pregnant and in their third trimester of pregnancy, or within the first six months of being postnatal, must have the written permission of the Director of Clinical Practice to attend clinical placements. Students must also comply with health care facilities' guidelines and recommendations when undertaking placements. Where a student is pregnant it is recommended that they meet with the Director of Clinical Practice prior to census date to decide on the most appropriate course of action to ensure safety and progression concerns are addressed and planned for.

Student wellbeing advice

All students involved in clinical placements must be fit to do so.

Students who have health problems or who are under the influence of alcohol and/or other drugs that might foreseeably render them unsafe during nursing or midwifery practice placement, or who have a health problem that may be affected adversely during their placements, should seek medical advice before undertaking a placement and should advise the Director of Clinical Practice.

Failure to do so may result in the Faculty of Health accepting no responsibility for the consequences.

Each student is responsible for evaluating the foreseeable health risks before and during each clinical placement, and implementing risk management strategies in consultation with the subject coordinator, and UTS environmental, health and safety guidelines. Students must also adhere to policies and direction from workplaces where the clinical placement is held.

Uniform

Students are required to wear the official uniform of the Faculty of Health during all nursing and midwifery practice placements. Academic staff will indicate any other occasions when students must wear their uniform. Some nursing practice placements, e.g. mental health, may not require the official uniform. Students are notified of this when they receive their practice placements. Students must purchase their uniform from the approved suppliers.

The uniform consists of:

- purple polo shirt; UTS design (men and women)
- black trousers; UTS design (men and women)
- black knee-length skirt; UTS design (to be worn with stockings)
- black, closed in rubber-soled shoes.

Other requirements are as follows.

- Fingernails must be short and clean. Only clear nail varnish is acceptable.
- Artificial nails must not be worn by healthcare professionals providing patient care.
- Hair must be worn off collars. Students with long hair must wear it up; long ponytails are not acceptable.
- Students are permitted to wear a wedding ring and one pair of small, plain studs in the ear lobes. No other jewellery or piercings are acceptable.
- Watches should either be digital or have a second hand, and must have no sharp edges, fancy watchbands or large buckles. A multicoloured ballpoint pen and small notepad are essential requirements. A small pocket calculator is advisable.
- Academic staff will provide advice to students on other items which need to be purchased, e.g. fob watch, stethoscope, scissors.
- Students must wear the uniform from their first nursing or midwifery practice placement in Autumn semester and should ensure that their uniform is available by this time.
- All students must wear their UTS photo identification card, with retractable cord, at all times near their collar; this is available from the Co-op Bookshop for a nominal fee.

Verification required to attend clinical

All nursing and midwifery students who are required to attend clinical practice as part of their program are required to meet the NSW Ministry of Health (NSW MoH) Verification requirements. These include, but are not limited to, complying with criminal clearances and the screening and vaccination against infectious diseases – evidence for the screening and vaccination against infectious diseases is recorded on a NSW Health Vaccination Record Card for Health Care Workers/Students which is available for collection at the CPU, UTS: Health Student Centres or UTS: Health Student Services. Meeting these requirements may result in costs to the student.

Complying with these policies is now managed through the NSW MoH ClinConnect system and all students must be verified through this system to be attached to a placement. Students are recommended to commence collecting the information required when they are accepted into a Nursing or Midwifery course as students who are not verified are not able to be allocated placements.

UTS is committed to the health, welfare and safety of its students and staff. The following guidelines have been set up in order to ensure legislative requirements are adhered to, along with minimising infectious disease transmission to and/or from our students and staff.

All students and staff must adhere to current legislative requirements, policies and procedures regarding infection control and immunisation. Students should be aware of guidelines regarding immunisations and levels of required immunity, as indicated within these guidelines. At the time this policy was developed, guidelines assisting in the direction of this policy included:

- National Health and Medical Research Council (2003), *The Australian Immunisation Handbook*, 8th edn, Commonwealth of Australia, Canberra.
- NSW Health (2005a), Occupational Assessment, *Screening and Vaccination Against Specified Infectious Diseases*, Circ 2007/006, 1 February 2007.
- NSW Health (2005b), *Tuberculosis Screening and Protection – Health Care Worker*, Circ 2001/71, 1 August 2001.

Documentary evidence of vaccination and/or current immunity for the following diseases (completed record card plus serology) prior to clinical placement is mandatory:

- Adult Diptheria, Tetanus and Pertussis
- Hepatitis B
- Measles/Mumps/Rubella
- Varicella (chickenpox)
- Tuberculosis
- Hepatitis A
- Influenza (optional).

Acceptable immunisation status is a prerequisite for attending clinical placements, due to legislative and organisational requirements. Health facilities have the right to preclude students who are not immunised in accordance with their policies. There are academic progress implications for students who fail to complete practice requirements for this reason.

Students who are unable to complete vaccination requirements for any reason (including conscientious objection) must request authorisation through the Director of Clinical Practice at least four weeks prior to every clinical placement. In most cases authorisation will be denied due to external organisation policies and requirements. Students who are unable to meet immunisation requirements will significantly impact their ability to complete their course.

Criminal record checks

Full details are provided in the NSW child protection legislation (see page 28) section in the University-wide general information.

Unsafe practice performance

A student's performance is deemed unsafe if it places patients, clients, their families, staff members or fellow students at risk, and if he or she is unable or unwilling to perceive that risk. The judgment that a student's performance is unsafe is usually made on the basis of more than one incident, however, it can be made on the basis of one episode.

Students whose performance is deemed unsafe are removed from the health facility as soon as the judgment is made and are referred to the Director of Clinical Practice, who determines the appropriate course of action. Students may receive a fail grade for the subject, or be given an opportunity to demonstrate improvement in an alternative clinical environment such as the laboratory. If satisfactory, students are given another opportunity to complete their nursing or midwifery practice in a clinical environment.

Refer to rule 16.10.

Unsatisfactory practice performance

A student's performance is deemed unsatisfactory if it fails to meet the objectives and assessment of a given nursing practice experience.

Each student has a formative assessment part-way through his or her clinical placement. If unsatisfactory performance is identified in this assessment, the clinical facilitator/midwifery educator/academic liaison officer notifies the student and identifies a plan of action. This includes major areas of improvement and specific aims to be met to achieve satisfactory performance. If the student and/or the clinical facilitator/midwifery educator/academic liaison officer have reason to believe that they cannot work together to implement the improvement plan, a request can be made by either person to the subject coordinator for alternative arrangements. Each student receives a summative assessment towards the end of her or his clinical placement, which is assessed as either overall satisfactory or unsatisfactory.

The following diagram demonstrates the process for clinical subject assessment.

Administering of intravenous medications while on clinical practice

Third-year Bachelor of Nursing students are permitted to administer intravenous medications only under the following conditions:

- under direct supervision of a registered nurse (including University clinical supervisors) accredited by the hospital to administer intravenous medications as long as all other medication requirements have been met, e.g. correct dose, patient, route, time, and written orders, etc., and
- hospital policy allows students to administer intravenous medications under the direct supervision of a registered nurse as set out above.

Postgraduate course information

UTS: Health's postgraduate programs aim to ensure that opportunities are provided for nurses, midwives and health services managers to study at graduate level, whether they were educated in hospitals or the higher education sector. Enrolment in a postgraduate program provides an opportunity to study within a challenging and stimulating environment. Postgraduate nursing, midwifery and health services management programs provide the scope for health professionals to strengthen and expand their knowledge in their disciplines while also encouraging study and research in specialised areas.

Two categories of postgraduate courses are offered – those by coursework and those by research.

Contacts and inquiries

UTS Student Centres

The UTS Student Centres are both the initial and primary point of contact for all students. Students should deal with the UTS Student Centres in all matters affecting their studies, including enrolment, exemptions, timetable matters, examination and assessment, as well as a wide range of student administration procedures.

For specific UTS: Health information, students should contact the following UTS Student Centres.

City campus

Building 10 Student Centre

Foyer, Level 2, Building 10 (CB10.2)

235 Jones Street, Ultimo

telephone +61 2 9514 1222

Kuring-gai campus

Kuring-gai Student Centre

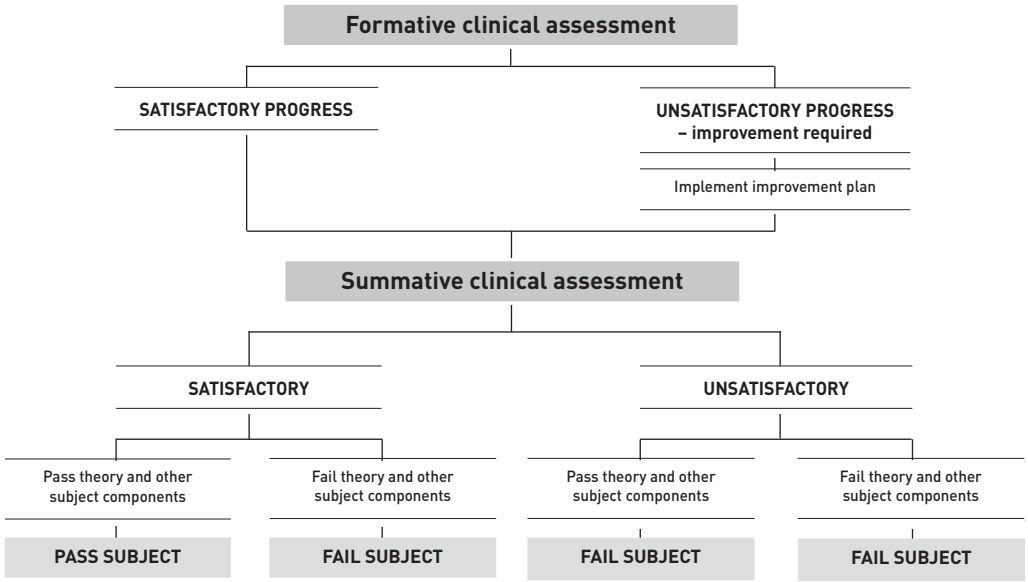
Foyer, Level 5, Building 1 (KG01.5)

Eton Rd, Lindfield

telephone +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Clinical subject assessment diagram



Opening hours

UTS Student Centre opening hours are available at:

www.sau.uts.edu.au/contact.html

Academic Programs Office

The Academic Programs Office provides support and assistance to the UTS Student Centres in regard to UTS: Health processes and issues, and manages and supports UTS: Health's courses and specific student issues and processes. Students must contact the UTS Student Centre and complex issues may be referred by staff in the UTS Student Centre to the Academic Programs Office.

Manager

Thusitha Perera

KG05.03.06

telephone +61 2 9514 5024

Subject logistics officer

Sarah Jeffers

CB10.07.270

telephone +61 2 9514 4564

Senior academic programs officer

Josefina Musa

KG05.03.07

telephone +61 2 9514 5073

Academic programs officers

Elaine Pereira

KG05.03.05

telephone +61 2 9514 5722

Aren Ren

KG05.03.08

telephone +61 2 9514 5128

Research administration officer

The research administration officer provides administrative advice and support to current and prospective research students.

telephone +61 2 9514 4834

email Health.Research.Students@uts.edu.au

Postgraduate coursework

Postgraduate coursework rules and procedures

Admission requirements

Where large numbers of applicants are eligible for admission to any of UTS: Health's courses and places are limited, preference is given on the basis of:

- general educational qualifications
- previous academic grades, and
- professional experience and activities, e.g. post-registration certificates and scholarly activities such as research and publications.

Credit recognition

Subject exemptions are granted on the basis of the successful completion of equivalent subjects from recent postgraduate studies. Students should lodge an application for credit recognition and include a formal transcript verifying academic results and a description of the subject for which they are claiming equivalence.

For detailed information about applying for subject exemptions, see the Credit Recognition Application Guidelines (86kb PDF).

UTS: Health may also grant credit by substitution. This involves students being able to substitute a prescribed subject where they can demonstrate that they have undertaken an equivalent subject at either postgraduate or, in exceptional circumstances, undergraduate level.

The maximum number of exemptions under UTS: Health policy are:

- graduate certificates: maximum of two exemptions (12 credit points)
- graduate diplomas: maximum of four exemptions (24 credit points)
- master's: maximum of eight exemptions (48 credit points)
- master's conversions: students must complete a minimum of four subjects.

Rules and regulations

All students should refer to the Rules of the University available at:

www.gsu.uts.edu.au/rules

Progression rules

A student will have their registration discontinued, in accordance with rule 10.2.3 and rule 10.4.1, if they fail more than 50 per cent of the total number of enrolled subjects in an assessment period, or fail to meet any concurrent experience or other requirement prescribed by the course over a two-year period.

Contacts and inquiries

The directors of studies, course coordinators and advisers provide academic advice to students on their program, or other assistance such as helping students experiencing difficulties to cope with their academic work.

Director of Postgraduate Nursing Studies

Louise Hickman

CB10.07.224

telephone +61 2 9514 4577

Director of Midwifery Studies

Athena Sheehan

CB10.07.248

telephone +61 2 9514 4576

Director of Health Services Management Programs

Jennifer Bichel-Findlay

CB10.07.204

telephone +61 2 9514 4551

Nursing

Master of Nursing (Education major and Advanced Nursing Practice major)

Louise Hickman

CB10.07.224

telephone +61 2 9514 4577

Master of Nursing (Nurse Practitioner major)

Irene Kopp

KG05.02.05

telephone +61 2 9514 5760

Graduate Diploma in Nursing

Louise Hickman

CB10.07.224

telephone +61 2 9514 4577

Graduate Certificate in Perioperative Nursing

Graduate Certificate in Anaesthetics Nursing

Marika Jenkins

KG.05.02.18

telephone +61 2 9514 5124

Graduate Certificate in Critical Care Nursing

Louise Hickman (Acting)

CB10.07.224

telephone +61 2 9514 4577

Graduate Certificate in Neuroscience Nursing

Louise Hickman (Acting)

CB10.07.224

telephone +61 2 9514 4577

Graduate Certificate in Children's Nursing

Janet Green

KG05.02.97

telephone +61 2 9514 5740

Graduate Certificate in Child and Family Health Nursing

Nicola Brown

CB10.07.207

telephone +61 2 9514 4915

Graduate Certificate in Acute Care Nursing
Michelle Kelly
CB10.07.221
telephone +61 2 9514 4815

Graduate Certificate in Mental Health Nursing
Kevin Kellehear
KG05.02.09
telephone +61 2 9514 5050

Graduate Certificate in Neonatal Nursing
Janet Green
KG05.02.97
telephone +61 2 9514 5740

Midwifery
Master of Midwifery
Christine Catling-Paull
CB10.07.258
telephone +61 2 9514 4912

Graduate Diploma in Midwifery
Allison Cummins
CB10.07.256
telephone +61 2 9514 4913

Clinical education and management
Graduate Certificate in Clinical Teaching
Janet Green
KG05.02.97
telephone +61 2 9514 5740

Graduate Certificate in Clinical Management
Jennifer Bichel-Findlay
CB10.7.204
telephone +61 2 9514 4551

Health
Graduate Certificate in Diabetes Education and Management
Irene Kopp
KG05.02.05
telephone +61 2 9514 5760

Health services
Master of Health Services Management
Master of Health Services Management and Planning
Graduate Diploma in Health Services Management
Graduate Certificate in Health Services Management
Jennifer Bichel-Findlay
CB10.07.204
telephone +61 2 9514 4551

Associate Dean (Teaching and Learning)
Responsible for the overseeing and quality of academic activities and all coursework programs.
Joanne Gray
CB10.07.290
telephone +61 2 9514 4790

Postgraduate research

UTS: Health offers the following research degrees at master's and doctoral levels:

- Master of Nursing (Research) (C03048) (see page 545)
- Master of Midwifery (Research) (C03049) (see page 545)
- Master of Health Services (Research) (C03050) (see page 546)
- Master of Sport and Exercise (Research) (C03052) (see page 547)
- Doctor of Philosophy (PhD) (C02024) (see page 526).

The following professional doctorate courses are not available in 2014 for new admissions (for further information, contact the research administration officer):

- Doctor of Nursing (C02052) (see page 534)
- Doctor of Midwifery (C02053) (see page 534)
- Doctor of Health Services (C02054) (see page 535).

All research degrees require the independent preparation of a thesis that makes an original contribution to knowledge. The master's degrees include required coursework in addition to the preparation of a thesis.

University rules and procedures for master's and doctoral students apply to all research students in UTS: Health (see section 11).

Applications for research degrees

Application forms for research degrees can be obtained at: Research Degrees at UTS – How to apply. All requirements for documentation must be met when submitting the application. UTS: Health uses the University's scoring system to assess applications. Applicants are assessed on the basis of a range of categories, such as academic qualifications, research publications and professional achievement. The minimum educational requirements must be met by each applicant as specified in the entry requirements for each degree. Applicants are required to have a research proposal and agreement of a suitable supervisor at the time of application. Applicants are also required to complete a supplementary form. More information is available at:

www.uts.edu.au/future-students/health/essential-information/application-info-and-costs

International applicants are required to first contact UTS: International on:

email international@uts.edu.au

Selection of supervisors

Research for a degree at doctoral and master's level must lead to a distinct contribution to the knowledge of a subject by original investigation. This involves a considerable intellectual challenge and a substantial commitment over time and necessarily depends on the relationship between the candidate and his or her supervisors. For this reason careful thought should be given by the candidate and the proposed supervisor to the questions of personal compatibility and areas of common academic and professional interests. It is essential that the project be of direct interest to the supervisor and candidate and lie within the supervisor's area of expertise.

For doctoral and master's candidates there must be a principal supervisor and a panel of supervisors (which can be composed of the alternate supervisor alone). The principal supervisor must be a member of UTS: Health academic staff, be a registered supervisor with the University and be eligible to supervise a candidate at the required level. A panel member (or alternate supervisor) may either be a member of UTS: Health academic staff or the University, or a person employed outside the University of recognised standing in the field of the candidate's research. Supervisory panel members must be registered as a supervisor with the University. Supervisors of doctoral and master's candidates are appointed by the UTS: Graduate Research School Board on the recommendation of the director, research students.

The rules regarding the appointment of supervisors and the code of conduct for supervisors can be found at:

www.gradschool.uts.edu.au

Regulations and responsibilities regarding supervision

While the student–supervisor relationship is a flexible one, the University requires supervisors to ensure by their advice, guidance and expertise that a particular candidate maintains satisfactory progress within the prescribed term of the candidature; that the candidate receives adequate advice both on the substance of the thesis and on the form its presentation will ultimately take; and that the work being done on the thesis is reviewed critically on a continuing basis. The way in which this is done is to be negotiated between the candidate and the supervisors.

The University acknowledges that research students have a right to effective supervision and research training. However, students have responsibilities as well in adhering to the University rules, in maintaining progress and in communicating with their supervisors.

The UTS: Graduate Research School Board has produced a Code of Conduct for Supervisors, Advisors and Research Degree Candidates, available at:

www.gradschool.uts.edu.au

Research Student Forum

The Research Student Forums are held twice a year in June (July session) and December (Summer session). They are designed to facilitate a number of important requirements for UTS: Health's research students and provide an opportunity for research students, supervisors, staff and invited guests to interact in formal and informal settings. Each forum incorporates student presentation, doctoral and master's assessments (see below), and plenary sessions from invited guests and workshops.

Requirements for research degree candidates

As a postgraduate research candidate there are a number of University and faculty requirements that must be met. Failure to meet these requirements can result in a candidature being discontinued.

Code of practice for supervisors, advisors and research degree candidates

Students can either view the code of practice for supervisors, advisors and research degree candidates or download a copy (PDF 113 kb).

Review of progress

It is a University requirement that all research students complete and submit a review of progress report for each semester (Autumn and Spring) in which they are enrolled each year. If a student has been on a leave of absence or under examination for a semester, then they are not required to complete a report (rules 11.13 and 11.14).

The review of progress form is available for students to download from the Research Degree Forum at UTSOnline and must be submitted by the due date publicised each semester to the faculty.

Note: It is the student's responsibility to ensure that the review of progress is completed and signed by the principal supervisor and co-supervisor and submitted by the due date. Failure to submit progress reports by the due date can affect candidature.

Doctoral study plan

The doctoral study plan is a tool for integrating subjects, workshops, master classes and modules into a coherent program corresponding to the candidature. The study plan is negotiated between the student and supervisor(s), identifying components of the program based on the student's academic and professional experiences and goals. The doctoral study plan is also used to monitor and report on the student's progress throughout his or her candidature. Each student is required to complete a study plan once a year. The study plan is reviewed at the end of each semester (in June and December) against the goals set out in the plan, and this is documented in the submission of review of progress for each semester. Further information about the doctoral study plan is available online, including a downloadable template and example.

Candidature stages and assessments

All UTS: Health research students undertake the work of their degree within the UTS candidature plan. This plan provides the opportunity for all research students and supervisors to program modules that build research skills, capacity and knowledge. Modules may be faculty-based or cross-disciplinary, with the program addressing the individual student's research needs.

Research students enrolled pre-2012 undertake one assessment only within the framework of the UTS: Health candidature plan.

Research students enrolled from January 2012 onwards (new doctoral study plan) are engaged in the new UTS doctoral candidature framework which has three candidature assessment requirements, or the master's candidature framework which has two candidature assessment requirements:

- master's study plan (MSP): stages 1 and 3
- doctoral study plan (DSP): stages 1, 2 and 3.

Stage 1 assessment (master's and doctoral degrees): confirmation of candidature

Each research degree student is required to undertake either a doctoral or master's stage 1 assessment. This is to ensure that candidates have made sufficient progress, have the knowledge and capacity to carry out the planned research program, and are able to finish in the prescribed time. This process confirms the student's candidature and allows him or her to proceed with the proposed research project to complete the degree. The student submits a research proposal and a panel interviews the student. Students who satisfy the requirements of the assessment and whose candidature is confirmed have the approval of the faculty and the University to continue with their planned research and in the current degree (contingent on any recommendations or requirements of the assessment panel). Students who do not satisfy the requirements of the assessment are normally invited to re-attempt the assessment six months after being notified in writing of the unsatisfactory outcome.

Stage 2 assessment (doctoral degrees only): confirmation of advanced progress

Each doctoral research degree student is required to undertake a stage 2 assessment. This is to ensure that candidates have made sufficient progress and are able to finish in the prescribed time. This process formally confirms advanced progression to complete a degree. The student submits a document comprising of 3 or 4 draft chapters of their thesis and a copy of the original manuscript submitted and/or journal receipt of submission for the panel to review. The panel interviews the student. Students who satisfy the requirements of the assessment receive formal confirmation that their research work has advanced progress and that they have the approval of the faculty and the University to continue with their planned research advancing towards stage 3 assessment in their current degree (contingent on any recommendations or requirements of the assessment panel). Students who do not satisfy the requirements of the assessment are normally invited to re-attempt the assessment six months after they have been notified in writing of the unsatisfactory outcome.

Stage 3 assessment (master's and doctoral degrees): confirmation of readiness to submit

Each research degree student is required to undertake a master's or doctoral stage 3 assessment. This process formally confirms that the student has advanced progression and is ready to submit the research thesis for examination. This must be completed before the thesis is submitted for examination and should be held within the final six months before submission. The student submits a written proposal and gives a 20-minute presentation followed by 10 minutes of question time with an audience of peers and a panel. Students who satisfy the requirements of the assessment are formally advised that their research thesis is ready for submission to the examiners and have the approval of the faculty and the University to finalise and submit their thesis (contingent on any recommendations or requirements of the assessment panel). Students who do not satisfy the requirements of the assessment are normally invited to re-attempt the assessment six months after they have been notified in writing of the unsatisfactory outcome.

Detailed stages 1, 2 and 3 assessment guidelines are available to download from the Research Degree Forum at UTSOnline.

Attendance at the research student forum

It is a requirement of the faculty that research degree candidates attend the research student forum (RSF). The forums take place twice a year (in June and December). The forum is an important opportunity to present works-in-progress to peers and staff and usually features some practical workshops, but mainly presentations are given by research students for other research students. It is a place for mutual support, giving and gaining new ideas, and getting inspired about their own and others' research. Students who are unable to attend need to contact the research administration officer. It is expected that all students attend unless exceptional circumstances arise. Full-time students are required to present at the RSF every semester and part-time students to present once every year (alternate semesters) during their candidature.

Further information about research student forums is available online.

Notifying the faculty and University of changes to your details

All students are expected to notify the research administration officer of changes to their postal address, email address, phone numbers, supervision arrangements and candidature details. This is vital as current details are required in order to contact candidates regarding matters affecting their candidature.

Submission of thesis

All research degree students are required to submit a thesis (or dissertation) to complete their program. The University has a number of rules and requirements for the submission of theses. The Rules of the University relating to thesis topics, the submission of theses and the examination of theses are published at:

www.gsu.uts.edu.au/rules

The UTS: Graduate Research School also provides information on the requirements for thesis submission, which can be obtained from their website (www.gradschool.uts.edu.au).

It is a University requirement (rule 11.16) that candidates for master's or doctoral degrees make an oral presentation of their work to a panel or audience as part of their stage 3 assessment. This must be completed within the six months prior to final submission.

The examination process

On the recommendation of the responsible academic officer the Dean, Graduate Research School appoints examiners, which in normal circumstances shall be as follows:

- in the case of a doctoral degree, a minimum of two and a maximum of three examiners, all of whom must be external examiners
- in the case of a master's degree, at least two examiners, both of whom must be external examiners
- a member of the student's supervisory panel is not normally permitted to be an examiner.

Rules relating to the examination process are available at:

www.gsu.uts.edu.au/rules

Information for research degree students

Research degrees have specified maximum durations as described in the Rules of the University. Students can complete in less than the maximum time.

Maximum duration of candidature: master's degrees

Full time = two years (four semesters)

Part time = four years (eight semesters)

Maximum duration of candidature: doctoral degrees

Full time = four years (eight semesters)

Part time = eight years (16 semesters)

These periods do not include periods of approved leave of absence (rule 11.9).

The maximum duration may only be extended with the approval of the UTS: Graduate Research School Board (rule 11.8).

Master's (research) coursework

Coursework for master's degree students is typically undertaken in block sessions of three to six days. These blocks are typically held in February and August. Students are required to attend a block session for each subject in which they are enrolled for that semester.

Intellectual property

UTS: Health has explicit guidelines relating to academic misconduct, including plagiarism. In brief, plagiarism is defined as any attempt to use the work of another person without acknowledging the source. For the purposes of this rule, 'work' is defined as written materials such as books, journals and magazine articles or other papers, and also includes films and computer programs.

At research level, students must exercise great care in acknowledging all material derived from any source; if in doubt students should consult their supervisor. Remember, even paraphrasing another person's work is defined as 'using' that person's work and must be acknowledged.

The penalties relating to a candidate found to have committed plagiarism are outlined in the UTS Rules.

Discontinuation or resolution of progress

Research degree students may have their registration discontinued if they fail to complete all prescribed work within a given period of time or if the UTS: Graduate Research School Board is dissatisfied with the student's progress. The Student and Related Rules of the University relating to discontinuation of candidature, appeal against discontinuation and results of appeals are rules 11.20, 11.21 and 11.22.

Appeals

In cases of appeal, a Student Assessment Appeals Committee of the Faculty Board in Nursing, Midwifery and Health considers the appeal following the criteria and procedures approved by the Academic Board.

For a detailed explanation of the rights and procedures of appeals, candidates should consult the Rules of the University published at:

www.gsu.uts.edu.au/rules

Graduation

Research students should consult closely with their supervisor when anticipating graduation, as the assessment process for theses can be a time-consuming undertaking, and revisions are often required.

Graduation ceremonies are conducted during a specific period in April–May and September–October each year. Information regarding graduation will be forwarded to eligible students following the receipt of the final bound copies of the thesis.

Contacts and inquiries

Any inquiries of a non-administrative nature should, in the first instance, be directed through the student's supervisors. If this is not possible, or is inappropriate, inquiries should be directed to the research administrator, relevant course coordinator or to the director of research.

Administrative inquiries should be directed to the research administration officer.

Associate Dean (Research) and responsible academic officer

The Associate Dean (Research) is responsible for the overall administration and quality of the research programs and chair of the Faculty Research Committee.

Professor Christine Duffield

CB10.07.208

telephone +61 2 9514 4831

email Christine.Duffield@uts.edu.au

Director, Research Students and responsible academic officer

The Director, Research Students is responsible for the administration and quality of the higher degrees by research and honours degrees.

Associate Professor Robyn Gallagher

CB10.07.206

telephone +61 2 9514 4833

email Robyn.Gallagher@uts.edu.au

Research administration officer

The research administration officer provides administrative support to all UTS: Health research students, including application, enrolment, progression and examination processes.

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

The UTS: Graduate Research School is responsible for the overall administration and management of research degree candidates.

CB01.07

telephone +61 2 9514 1336

email grs@uts.edu.au

www.gradschool.uts.edu.au

UTS: INFORMATION TECHNOLOGY

Information for students

The Faculty of Engineering and Information Technology (FEIT) is Australia's leader in practice-based engineering and IT education and research, and currently enrols over 7000 students in industry-recognised courses from undergraduate to doctoral level.

The faculty prides itself on its high level of engagement with the engineering and IT professions locally and internationally, by offering short courses and consulting expertise to the local community, and internationally through its courses offered in Hong Kong and Singapore, a significant local international student population and a robust student exchange program. FEIT is also the leading research faculty at UTS, with a diverse range of research being undertaken in matrix across the faculty's twelve research centres and institutes, and five academic schools.

The faculty structure comprises four portfolio areas in teaching and learning; research and development; international; and external engagement, each led by an associate dean. Five schools house the academic sub-disciplines of the Faculty of Engineering and Information Technology:

- School of Civil and Environmental Engineering
- School of Computing and Communications
- School of Electrical, Mechanical and Mechatronic Systems
- School of Software
- School of Systems, Management and Leadership.

Location, contacts and inquiries

The Faculty of Engineering and Information Technology is located at City campus, Broadway, in Buildings 1, 2 and 10. Key staff are:

Professor Hung Nguyen
Dean
telephone +61 2 9514 4441
email Hung.Nguyen@uts.edu.au

Dr Tim Aubrey
Associate Dean (Teaching and Learning)
telephone +61 2 9514 2360
email Tim.Aubrey@uts.edu.au

Professor Mary-Anne Williams
Associate Dean (Research and Development)
telephone +61 2 9514 2451
email Mary-Anne.Williams@uts.edu.au

Professor Deepak Sharma
Associate Dean (International)
telephone +61 2 9514 2422
email Deepak.Sharma@uts.edu.au

Professor Keith Crews
Associate Dean (External Engagement)
telephone +61 2 9514 2619
email Keith.Crews@uts.edu.au

Professor Bijan Samali
Head, School of Civil and Environmental Engineering
telephone +61 2 9514 2023
email Bijan.Samali@uts.edu.au

Professor Doan Hoang
Head, School of Computing and Communications
telephone +61 2 9514 7943
email Doan.Hoang@uts.edu.au

Professor Jianguo (Joe) Zhu
Head, School of Electrical, Mechanical and Mechatronic Systems
telephone +61 2 9514 2318
email Jianguo.Zhu@uts.edu.au

Professor Jie Lu
Head, School of Software
telephone +61 2 9514 1838
email Jie.Lu@uts.edu.au

Professor Igor Hawryszkiewycz
Head, School of Systems, Management and Leadership
telephone +61 2 9514 1809
email Igor.Hawryszkiewycz@uts.edu.au

Annette Giles
Faculty Manager
telephone +61 2 9514 4443
email Axnnette.Giles@uts.edu.au

Engineering and Information Technology Outreach Office

The Engineering and Information Technology Outreach Office manages all faculty marketing activities and school liaison. It is located at CB02.4.16. This connects with Building 1 at City campus, Broadway.

The office is generally open from 9am–5pm Monday to Friday.

telephone +61 2 9514 2666
fax +61 2 9514 7803
email it@uts.edu.au
www.it.uts.edu.au

Postal address
Faculty of Engineering and Information Technology
University of Technology, Sydney
PO Box 123
Broadway NSW 2007

UTS Student Centres

All inquiries from currently enrolled UTS students are handled by the five UTS Student Centres located across the City (Broadway and Haymarket) and Kuring-gai campuses.

Students enrolled in UTS: Information Technology degrees (undergraduate and postgraduate) are advised to direct all their course-related inquiries to:

Building 10 Student Centre
CB10.2 (City campus, Broadway, Building 10, level 2, foyer)
telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222
Ask UTS www.ask.uts.edu.au

Key student liaison staff

The staff below are the key liaison staff for engineering and information technology students requiring specialist or academic advice to manage their enrolment and student candidature. All students are to direct all initial inquiries to the UTS Student Centre where their inquiry will be processed and forwarded to the key contact staff below only if the matter cannot be resolved by Student Centre staff. An appointment with these staff is based on referral from the UTS Student Centres or within staff consultation times.

Dr Rob Jarman
Director, Undergraduate Programs: UTS: Engineering
telephone +61 2 9514 2368
email Rob.Jarman@uts.edu.au

Dr Prasanthi Hagare
Director, Postgraduate Coursework Programs: UTS: Engineering
telephone +61 2 9514 1952
email Prasanthi.Hagare@uts.edu.au

Mr Chris Wong
Director, Undergraduate Programs: UTS: Information Technology
telephone +61 2 9514 4501
email Chris.Wong@uts.edu.au

Mr Rene Leveaux
Postgraduate Coursework Programs: UTS: Information Technology
telephone +61 2 9514 1958
email Rene.Leveaux@uts.edu.au

Mr Craig Shuard
Research Administration Officer
telephone +61 2 9514 4460
email Craig.Shuard@uts.edu.au

Ms Phyllis Agius
Research Administration Officer
telephone +61 2 9514 2686
email Phyllis.Agius@uts.edu.au

Ms Tracey Moore
Manager, Academic Programs Office
telephone +61 2 9514 2671
email Tracey.Moore@uts.edu.au

Ms Beate Buckenmaier
Manager, International
telephone +61 2 9514 2590
email Beate.Buckenmaier@uts.edu.au

Faculty contacts and areas of interest

A comprehensive list of UTS: Information Technology academic staff and their research areas is available from:

http://cfsites1.uts.edu.au/feit/staff/listing/index.cfm

Environmental Health and Safety Plan

UTS: Information Technology is committed to providing a safe and healthy workplace for students, staff and visitors, and adopting a socially responsible approach towards protecting and sustaining the environment. Promoting a safe, healthy and environmentally sound environment is the responsibility of all staff and students.

The names and locations of first aid officers and first aid kits are indicated by appropriate signs in Building 10 and school areas.

More information is available at:

- MyFEIT (student intranet): http://my.feit.uts.edu.au/myfeit
- UTS: Safety and Wellbeing: www.safetyandwellbeing.uts.edu.au/student

Computing facilities

The faculty provides computer laboratories, network services and high bandwidth internet access for use in teaching and research. This gives students the software and information they need for their subjects and the services to communicate and collaborate with their peers. Personal laptops can also be used to access network services and the internet.

Teaching laboratories

Computer laboratories

The faculty has 17 computer laboratories in Building 10 and 20 computer laboratories in buildings 1 and 2 that are used in many subjects. They are regularly updated with the latest hardware and undergo a complete upgrade of operating systems and programs before most semesters.

Most labs offer students a choice of operating systems at the login screen, which gives the laboratories great flexibility to meet student and class needs.

The Building 10 laboratories can be grouped into 10 general purpose laboratories, each of 30 computers, as well as four internetworking labs, two professional presentation labs and a graphics lab.

Except during scheduled classes, general access to laboratories is:

- 8am–10pm Monday to Friday (during semester)
- 9am–6pm Monday to Friday (outside semester).

Booking times are located on laboratory doors.

Seven days a week, 24-hour access is provided to some laboratories throughout the University, including some of the UTS: Information Technology labs.

Network services

UTS: Information Technology provides a Unix shell, via SSH, with a home directory that is backed up regularly. Students can access additional services; this is normally organised by their lecturers. Services include Oracle, MySQL, PostgreSQL databases, Subversion repositories and internal websites.

Breakout rooms and lounge areas

These areas provide space for students to collaborate or for individuals to have time on their own. All areas have access to the wireless network and many, particularly the breakout rooms, have whiteboards, wired access and power. Breakout rooms can be booked and are suited for groups wanting a private meeting space, while the atrium lounge and table areas are more casual and social spaces.

Specific-purpose laboratories

Access to specific-purpose laboratories is arranged by the academic involved in a particular subject or research project.

Networking laboratories

These three laboratories are equipped with user-configurable, rack-mounted network equipment for teaching computer network subjects.

Graphics laboratory

A laboratory of specially equipped computers for graphic-intensive subjects is available. In particular, the computers have advanced graphic accelerator cards and the Maya software application.

Creativity and cognition studios

These studios form a multidisciplinary environment for research into computing support for creativity and into the development of new art forms and art practice using digital media. They include a games studio, a sound studio and a video wall with an interaction space incorporating a range of sensor systems.

Remote access facility

The remote access facility provides modem access for students and staff. This gives users access to UTS: Information Technology's computing systems and the internet.

Service desk facility

Students requiring IT support for any faculty-provided IT system, including the computing laboratories, should telephone or email, between 9am and 5pm weekdays, describing the problem:

telephone +61 2 9514 7922

email FEITServiceDesk@uts.edu.au

Compulsory safety induction

As part of the faculty's commitment to safety, all engineering and IT students are required to annually complete a safety induction in order to access PIN-protected facilities within the faculty. Completion of the safety induction is not required to be able to attend scheduled/supervised lab sessions or use some IT labs during business hours. Students enrolled in an engineering or IT course are automatically given access to enrol in the safety induction through UTS Online (the forum is called 'UTS: Faculty of Engineering and Information Technology - Safety Induction').

Students from outside the faculty who enrol in engineering or IT subjects and who need PIN access to faculty facilities must contact the faculty to get enrolled in the safety induction forum:

email FEITPinAdmin@uts.edu.au

This is also the contact for students who have problems with their PIN access.

Women in Engineering and IT Program

The Women in Engineering and IT (WiE&IT) Program at UTS is a long-standing initiative to redress the low rate of female participation in the field by communicating the opportunities of engineering and ICT (information and communications technology) careers as a course of study; by promoting the involvement of women in the course, in the Faculty and in research at UTS; and by networking with professionals from engineering and ICT fields and professional organisations. The program also seeks to address attitudes and behaviours which may deter students and staff from achieving, in a safe and rewarding learning, research and working environment.

The WiE&IT Program invites students, staff and industry to support its ongoing activities and contribute ideas for new initiatives which will attract and support more women to choose to study engineering and IT.

Further information is available at:

www.feit.uts.edu.au/women

www.utswomeninengineeringandit.blogspot.com

Short courses

UTS: Information Technology offers a variety of professional, commercial and customised courses throughout the year in the areas of computing and information technology. Courses regularly on offer include Advanced Java (J2EE), Developing Windows and Web Applications with MVC 4.0 and Visual Studio 2012, Managing and Using Microsoft Share Point 2010, Fundamentals of Unix, IP Telephony and Voice Over IP (VoIP), Java Fundamentals, Object-oriented Programming with C++, Programming with C, SQL Server 2012 for Business Intelligence, SQL Server 2012 for Developers,

Linux Systems Administration and a range of Cisco certified network academy preparation stages for certification (CCNA stages 1 to 4).

New CCNA security courses are also available. These courses are offered by the UTS Cisco Networking Academy.

Courses may also be customised to suit corporate training needs.

For further information, contact:

Angelia Lawah, UTS:IT Short Course Administrator

telephone +61 2 9514 1806

fax +61 2 9514 1844

email Liuangelia.Lawah@uts.edu.au

www.uts.edu.au/future-students/information-technology/about-information-technology/utsit-short-courses

Undergraduate course information

UTS: Information Technology offers undergraduate degrees in information technology and a number of combined degrees with business, international studies, law and mathematics.

Bachelor of Science in Information Technology students must complete eight foundation core subjects and an IT major (CBK90781).

IT majors are offered in four areas:

- Business Information Systems Management (MAJ02080)
- Enterprise Systems Development (MAJ03444)
- Internetworking and Applications (MAJ03445)
- Data Analytics (MAJ02081).

The following areas are offered as sub-majors:

- Business Information Systems Management (SMJ02064)
- Enterprise Systems Development (SMJ03036)
- Internetworking and Applications (SMJ03037)
- Data Analytics (SMJ02065)
- Computer Graphics and Animation (SMJ02066)
- plus sub-majors from other faculties.

Practice-based education

UTS: Information Technology is a leader in practice-based education and has offered a year of industrial experience, i.e. the Diploma in Information Technology Professional Practice (C20049) (see page 350), as part of its undergraduate courses for many years. The industry experience provides a better understanding of the relationship between theory and practice, and increases students' employability by providing work experience before graduation.

The Industry Partnering Unit (IPU) assists students in their preparation to obtain an industrial training position as part of the Diploma in Information Technology Professional Practice. The staff of the IPU maintain contact with various organisations that offer IT positions. Students seeking industrial training must attend the industrial training information session held in May each year and register in the semester preceding their intended period of industrial training.

The IPU maintains a database which provides information to students on available industrial training jobs.

Undergraduate progression rules

Undergraduate students who do not maintain the required minimum level of progress may be excluded from a course and have their enrolment withdrawn. The minimum rate of progress is achievement of 50 per cent of the credit points in which a student has been enrolled since the beginning of that course. In addition, students are bound by the Rules of the University and are advised to refer to them:

www.gsu.uts.edu.au/rules

Grading of awards

The cut-off points for grading are fixed and common across all undergraduate degrees as follows.

Students who have completed the required subjects and credit points determined for each award qualify to graduate at pass level.

Qualification for graded awards is based on the weighted average mark calculated for all graded subjects completed, including electives. Ungraded pass/fail subjects, including electives taken while on exchange and exemptions granted as recognised prior learning, are not included in the calculation.

In the case of combined degrees where the IT component is less than 144 credit points, the grading of the IT component normally includes all IT subjects, plus core subjects from the non-IT degree, to a total not less than 144 credit points. Students in combined degrees who wish to confirm which subjects are counted towards the grading of their degree should check with the Faculty of Engineering and Information Technology.

For a degree with distinction, the weighted average mark must be greater than or equal to 75. For a degree with credit, the weighted average mark must be greater than or equal to 65 and less than 75.

The grading of Bachelor of Science (Honours) in Information Technology is as follows.

Students who have completed the required subjects and credit points (48 credit points) determined for the award qualify for third class honours.

Qualification above third class honours is based on the weighted average mark calculated for all graded subjects completed, including electives. Ungraded pass/fail subjects and exemptions granted as recognised prior learning are not included in the calculation. All failures are included in the calculation.

- First class honours: the weighted average mark must be greater than or equal to 85.
- Second class honours (division 1): the weighted average mark must be greater than or equal to 75 and less than 85.
- Second class honours (division 2): the weighted average mark must be greater than or equal to 65 and less than 75.

The University Medal is awarded to the top student(s) in each graduating cohort provided their weighted average mark is above 85.

Postgraduate course information

Postgraduate coursework

UTS: Information Technology offers postgraduate degrees in information technology, IT management, internetworking and interactive multimedia.

The courses are designed to challenge the IT professional, help professionals develop specialised IT skills or equip people to enter the IT industry from other fields. The innovative programs cover growth areas such as cloud computing, computer graphics and gaming, data mining, enterprise software engineering, human-centred design, information systems services, interactive multimedia, networking applications and services, and strategic IT management and leadership.

Progression rules

Postgraduate information technology students may be excluded from further study at the University if they fail more than 50 per cent of the total number of enrolled credit points from the commencement of the course.

Postgraduate information technology students may also be excluded from a course if they exceed the maximum time allowed for completion of that course (see rule 10.5).

Credit recognition

Credit recognition is granted on the basis of the successful completion of equivalent subjects from recent undergraduate or recent postgraduate studies from recognised tertiary institutions. Students should lodge an application for credit recognition form if they wish to apply for exemptions from subjects within their enrolled course.

Postgraduate credit recognition is not normally granted where prior studies were undertaken more than three years previously. Postgraduate credit recognition is not granted for prior sub-degree TAFE studies or industry certifications. Credit recognition is mostly given for core subjects. However this is dependent on the specific program.

Articulation

While courses are offered as stand-alone qualifications they are also components of integrated programs of study that enable students who satisfactorily complete a graduate certificate or graduate diploma to apply for entry to a higher-level course within their chosen field of study. Where a student articulates from one level of study to another, the subjects completed are also carried forward into the higher-level course. Articulation is via internal course transfer.

Internal course transfer forms are available at:

www.sau.uts.edu.au/forms

Postgraduate research

UTS: Information Technology has a lively and cutting-edge research culture driving advances in engineering and IT technology, practice and education. UTS: Information Technology's research is needs-driven and collaborative, and works with many enterprises in business partnerships. Researchers are world-class and recognised leaders in their fields.

Research is varied and utilises modern laboratories and research facilities at City campus, Broadway. These are supported by extensive computing facilities and library services. The laboratories have excellent back-up workshops and expert support staff. Many opportunities exist for professional development through challenging, well-resourced research programs.

UTS: Information Technology practises excellence in research and research training, and is committed to the production of high quality research output in collaboration with other faculties, other universities and industries in Australia and overseas. UTS: Information Technology's increasing research activities are driven by a substantial number of excellent research leaders among academic staff which has resulted in a significant increase in high quality research publications, PhD completions and competitive research grants awarded, in particular, research grants from the Australian Research Council.

Contacts and inquiries

The management and administration of all research matters of the Faculty of Engineering and Information Technology is managed through the Research and Development Office, headed by the Associate Dean (Research and Development). The office is responsible for a broad range of matters including, but not limited to, research-strategic priorities, policy and planning, and advice and support to staff in preparing grant applications, research publications, research conferences and research degree student supervision. The Associate Dean is supported by the Director of Research Programs, the Research Manager and the research administration officers, who are responsible for the academic management and support of research degree students and general research matters respectively.

Research matters are governed via the Research Management Committee and Research Degrees Committee that report to the Faculty Board in Engineering and Information Technology. The Research Management Committee has overarching responsibility for determining research strategies and policies, and for making recommendations in relation to building a research culture and profile, and for budgetary and resourcing matters relating to research. The Research Degrees Committee makes recommendations and sets policies relating to candidature management of higher degree research degree students, from admission through to graduation.

Specific inquiries should be directed to the Faculty of Engineering and Information Technology Research and Development Office. Key staff are:

Associate Professor Jaya Kandasamy
Director of Research Programs
telephone +61 2 9514 2558
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General inquiries from domestic students should be directed to:

UTS Graduate Research School
telephone +61 2 9514 1336

General inquiries from international students should be directed to:

UTS International
telephone 1800 774 816 (free call within Australia)

Research profile and strengths

The Faculty of Engineering and Information Technology has a number of key research centres and institutes. These centres are hives of research activity that have international standing within their respective discipline areas. The centres include:

- Advanced Analytics Institute
- Centre for Built Infrastructure Research
- Centre for Electrical Machines and Power Electronics
- Centre for Energy Policy
- Centre for Health Technologies
- Centre for Human-Centred Technology Design
- Centre for Innovation in IT Services and Applications
- Centre for Intelligent Mechatronic Systems
- Centre for Quantum Computation and Intelligent Systems
- Centre for Real-Time Information Networks
- Centre for Technology in Water and Wastewater.

Collaborative research

The research strengths in the Faculty of Engineering and Information Technology were recognised as a consequence of a thorough analysis of networks of expertise and communities of interest, and based on the review of ICT research at UTS.

Each UTS: Information Technology research strength includes a number of specialised research laboratories that bring together staff, experts, research students and external organisations to develop new and innovative ideas, and apply them in practice. The quality and relevance of research in the research laboratories is enhanced by well-established links, both with industry and with overseas research institutions. Graduate research students, academics, visiting researchers and research assistants undertake collaborative research within these laboratories.

Further information is available from:

www.feit.uts.edu.au/research

Research opportunities and major research areas

Research opportunities are available in the following areas of specialisation.

- **School of Civil and Environmental Engineering:** built infrastructure; structural engineering; geotechnical engineering; construction materials; local government; road engineering; water and environmental resource management; water modelling; membrane technology in water and wastewater treatment; soil contamination and remedial techniques; and solid waste management.
- **School of Computing and Communications:** wireless relay/mesh and cooperative networking; body area networking; micro- and nano-scale networks; 4G (WiMAX, LTE); short-range RF and inductive near field communication systems and sensing; antennas and propagation; microwave engineering; national broadband network; multi-antenna systems; wireless sensor networks; bio-mimetic paradigms for network management and configuration; autonomic communications; anticipatory systems; radio resource management (RRM) mechanisms; Satellite communications and broadcasting; LAN/WAN enterprise networking; network embedded applications; m-health monitoring; mobile networks; personal area networks; multilayer switching; mobile and distributed multimedia applications and services; network security; internet service architecture; programmable networks; internet quality of service; web technologies; web architecture framework; mobile commerce and internet business; location-based services; network grid services; peer to peer networks; digital signal processing; pattern recognition; computer vision; multimedia; image processing; image and video analysis; machine learning; cognitive and affective multimedia content analysis; and multimedia systems.
- **School of Electrical, Mechanical and Mechatronic Systems:** advanced control; artificial intelligence; autonomous robotics; automotive engineering; biomedical engineering; energy; embedded systems; health technologies; mechatronics; power systems; and renewable energy.

- **School of Software:** art and technology; artificial intelligence; computer animation; computer games; computer graphics; computer usability; data mining; e-finance; e-government; e-health; e-marketing; e-safeguard; e-security and e-service; emergency management; expert systems; human-computer interaction; information systems; innovation and creativity; innovation and technology; intelligent agents; intelligent problem solving and smart business decision-making in engineering; interaction design; interactive entertainment; interactive story telling; learning environments; multi-agent systems; multimedia; next-generation automated enterprise cooperative infrastructure; object-oriented computing; object-oriented processes and methodologies; ontologies; optimisation activities; quantum computing; ray tracing; rendering techniques; requirements engineering; resource planning; robotics; semantic web; smart trading systems; software development; and technology design and use.
- **School of Systems, Management and Leadership:** energy policy and planning; engineering practice; environmental risk; information systems; IT education; IT governance; IT strategy and management; knowledge management; operations and risk management; strategic IT leadership; systems analysis and design; systems development; and systems theory and socio-technical systems.

Research centres and institutes

The Faculty of Engineering and Information Technology supports several centres and institutes, each capturing established research strengths in Engineering and Information Technology related fields. These include the following:

Advanced Analytics Institute (AAI)

AAI provides interdisciplinary expertise and leadership in areas including data mining, machine learning, applied statistics, behaviour analytics, data science and engineering, marketing, finance, economics, decision-making, optimisation and risk management. AAI offers cross-disciplinary and cross-domain research capabilities and hands-on experience in advanced analytics across historical data, real-time information and future trends. Analytics is a fast-growing global industry with an ever-increasing demand for qualified graduates. At UTS, a cross-disciplinary approach to analytics research brings together experts from across UTS's faculties and research centres to form a specialist analytics group. AAI brings together leading researchers from the Faculty of Engineering and IT, the Faculty of Business, the Centre for Quantum Computation and Intelligent Systems (QCIS) and the Centre for the Study of Choice (CenSoC). The Institute also fosters dedicated research and development resources for advanced analytics and receives resource support from the UTS External Engagement department and the UTS Research Innovation Office.

AAI offers unique training programs in broad-based analytics. AAI is working towards fostering world-class specialists and analytical project managers for specific domains through a supervisor-driven and practice/project-oriented approach, interdisciplinary workshops, short courses (including executive training), and day-to-day engagement in tier-one organisations.

Professor Longbing Cao

Director

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Centre for Built Infrastructure Research

The Centre for Built Infrastructure Research (CBIR) comprises a multidisciplinary team of researchers from the faculties of Engineering and Information Technology; Science; and Design, Architecture and Building. CBIR's nationally and internationally renowned work focuses on finding solutions to important global problems in control, rehabilitation and health monitoring of building structures and bridges, green and smart materials, sustainable design, management, improvement, safety and conservation.

Professor Bijan Samali

Director

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www.research.uts.edu.au/strengths/bi

Centre for Electrical Machines and Power Electronics

The Centre for Electrical Machines and Power Electronics (CEMPE) is principally concerned with electrical variable speed drives and generation of electricity using rotating electrical machines and renewable sources (such as wind and hydro). The technical research disciplines necessary for these two areas are very similar, covering electrical machines design, power electronics and mechanical design. The interest in renewable energy generation is primarily for remote areas and developing countries, so the incorporation of expertise in design for such areas is valuable, with the inclusion of energy requirements analysis, energy economics, technology transfer and human management issues.

Professor Joe Zhu

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http://services.eng.uts.edu.au/cempe

Centre for Energy Policy

The Centre for Energy Policy (CEP) addresses contemporary energy and environmental policy issues in national and international contexts. Energy market reforms, environmental policy options, and energy-economy interactions are key areas of focus. Research undertaken in the centre is policy-oriented, applied, and cross-disciplinary, emphasising the weaving together of technical, business, economic, legal, social, political and philosophical dimensions of energy, environmental and economic policies.

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Director

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Centre for Health Technologies

The interdisciplinary research skill base brought together in the Centre for Health Technologies (CHT) is unique in Australia in the development of medical devices and systems. The CHT has four research programs: non-invasive instrumentation, bio-therapeutics, bio-electromagnetics and nano-biotechnology. Its focus is on health and disease processes, the development of new devices and advanced methods for the early detection, diagnosis and rehabilitation of cardiovascular disease, diabetes, neurological disorders and cancer. Its research has already produced several new device technologies which are at the cutting edge of biomedical engineering and science.

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Professor Ann Simpson

Director

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http://services.eng.uts.edu.au/~htn/health.html

Centre for Human Centred Technology Design

The Centre for Human Centred Technology Design (HCTD) is committed to information and communications technology (ICT) design research, methods and approaches, as defined by its commitment to the human, that is, to those who will use the technology.

HCTD's approach furthers the development of a much needed socio-technical perspective on technology design that can both balance and extend the more common technology driven or management driven perspectives. HCTD's focus is on understanding the complex interplay between the drivers of social, organisational and technical change and how these shape, and are shaped by, the design, implementation and use of information and communication systems. The centre's research outcomes contribute to the design and development of ICT that fit easily and appropriately into the social, cultural and organisational contexts within which they will be used.

Professor Toni Robertson

Director

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Professor Didar Zowghi

Director

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Laboratories and contacts

Interaction Design and Human Practice Laboratory (IDHuP)

Lab Director: Professor Toni Robertson

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Requirements Engineering Research Laboratory (RE)

Lab Director: Professor Didar Zowghi

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Creativity and Cognition Studio (CCS)

Lab Director: Professor Ernest Edmonds

email Ernest.Edmonds@uts.edu.au

Games Studio

Lab Director: Associate Professor Yusuf Pisan

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Leadership for Innovation in the Digital Age Research Community (LiDA)

Lab Director: Associate Professor Ken Dovey

email Ken.Dovey@uts.edu.au

Centre for Object Technology Applications and Research (COTAR)

Lab Director: Professor Brian Henderson-Sellers

email Brian.Henderson-Sellers@uts.edu.au

Technology, Education, Development and Design Research Laboratory (TEDD)

Lab Director: Dr Laurel Dyson

email Laurel.E.Dyson@uts.edu.au

Centre for Innovation in IT Services and Applications

The Centre for Innovation in IT Services and Applications (iNEXT) is a world-class research environment for developing and nurturing innovation for the next generation IT services and applications, including internet-enabled business applications, mobile health services, high-end visualisation technologies, novel image processing architectures and advanced video surveillance systems.

- Future internet: iNEXT aims to develop those enabling mechanisms that will allow the transformation of the current connectivity infrastructure into the service infrastructure of tomorrow's internet.
- Applications and services: iNEXT aims to develop innovative applications with special focus on assistive mobile health and internet-enabled business applications.
- Visual information processing: iNEXT aims to define novel visualisation techniques and intelligent recognition algorithms for extracting important information from video streams and wireless sensor networks for surveillance and environmental monitoring purposes.

Commercialisation of such applications and services is particularly emphasised. iNEXT includes a significant research training component, graduating many research students in the past years.

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Laboratories and contacts

Advanced Research in Networking

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Cloud Computing and Distributed Systems

Lab Director: Associate Professor Jinjun Chen

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Computer Vision and Image Processing Lab

Lab Director: Professor Xiangjian He

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mHealth Lab

Lab Director: Associate Professor Valerie Gay

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Surveillance Lab

Lab Director: Professor Massimo Piccardi

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Visualisation Laboratory

Lab Director: Associate Professor Mao-Lin Huang

email Mao.Huang@uts.edu.au

Centre for Intelligent Mechatronic Systems

Building on 15 years of strong cross-disciplinary research in electrical machines and power electronics at UTS, the Centre for Intelligent Mechatronic Systems (CIMS) integrates the disciplines of mechanical, electrical and electronics engineering and computer systems. Its four main research directions are: autonomous robots (operating in unstructured environments and for infrastructure maintenance, search and rescue, health care and road vehicles); electrical machines (new materials and topologies, system optimisation, variable speed control and compact, low temperature fuel cells); automotive systems (performance, comfort, fuel efficiency, road safety and emission control); and human factors (physiological and psychological aspects of human–machine and human–environment interaction).

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www.research.uts.edu.au/strengths/imes

Centre for Quantum Computation and Intelligent Systems

The Centre for Quantum Computation and Intelligent Systems (QCIS) is a research centre within the University's Priority Investment Research Program. The centre's mission is to be acknowledged by research centres throughout the world as a pre-eminent research centre in quantum computation and intelligent systems, and to be acknowledged by Australian industry and government as a leading source of knowledge and expertise in quantum computation and intelligent systems.

The centre was established in April 2008 with a vision to develop:

- theoretical foundations for quantum computation
- theoretical foundations for intelligent systems, and
- innovative technologies for intelligent systems.

This technology will result in next-generation enterprise intelligent information systems.

The centre's five major research programs cover quantum computation, knowledge discovery, decision support, innovation and infrastructure enhancement. Together, these programs develop a set of innovative and practical methodologies and techniques for intelligent information processing and system building for a broad range of businesses in the finance, marketing, security, health, government and engineering sectors.

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Laboratories and contacts

Quantum Computation Laboratory

Lab Director: Associate Professor Runyao Duan

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Data Sciences and Knowledge Discovery Laboratory

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Decision Systems and e-Service Intelligence Laboratory

Lab Director: Professor Jie Lu

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Knowledge Infrastructure Enhancement Laboratory

Lab Director: Dr Paul Kennedy

email Paul.Kennedy@uts.edu.au

Innovation and Enterprise Research Laboratory

Lab Director: Professor Mary-Anne Williams

email Mary-Anne.Williams@uts.edu.au

Centre for Real-Time Information Networks

The Centre for Real-Time Information Networks (CRIN) aims to support research and development activities related to the efficient creation, collection, transmission, analysis and use of information in real-time, engineering-embedded applications. The centre supports the improvement of Australian society through a focus on applied research achieved through close links with both industry and research bodies working in appropriate application domains.

Examples of priority areas of interest for the centre are national security for safeguarding Australia, healthcare diagnosis and monitoring for the cost effective improvement of the health of Australians, environmental and resource monitoring for a sustainable Australia, and the smart use of the web in supporting Australian industry.

The centre aims to design, fabricate and test proof of concept systems, in which the performance and operational suitability of the developed systems is demonstrated. The proof of concept systems may be electronic hardware, software, or a combination of hardware and software, and will include the latest prototyping technologies, such as embedded processors, high-performance networks and sophisticated distributed software applications.

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Director (acting)

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Centre for Technology in Water and Wastewater

The Centre for Technology in Water and Wastewater (CTWW) undertakes research to ensure the sustainable management of water resources in both urban and rural environments, in Australia and internationally. This collaborative research centre links researchers, government, industry and community partners through its research programs, which include solid liquid separation and filtration technologies in water treatment; innovative biological treatment systems for wastewater treatment; membrane hybrid and nanotechnology systems in water, wastewater and stormwater treatment; water reuse; desalination; in situ barrier and other systems for treatment of groundwater, surface and groundwater hydrology; bio-solid and waste management; urban water cycles and soil/aquifer management and modification; and flood management and catchment modelling for flood prediction.

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www.research.uts.edu.au/strengths/ctww

Formal external research links

UTS: Information Technology research groups have formal links to external organisations such as the Cooperative Research Centres (CRC) network.

Capital Markets CRC

The Capital Markets CRC aims to be the technology provider of choice to global securities businesses/markets. It supports research programs in corporate governance, data mining, interoperability, language technology, market design and visualisation.

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UTS: INTERNATIONAL STUDIES

Information for students

UTS: International Studies plays a key role in the internationalisation of the UTS teaching and learning experience both in the Faculty of Arts and Social Sciences (FASS) and across the University.

The International Studies program teaches:

- about cultural diversity and social change in Asia, Europe and the Americas
- about processes of regionalisation, internationalisation, transnationalism and globalisation, and their localised receptions
- a suite of Asian and European language and culture subjects at many levels.

UTS: International Studies is responsible for the coordination and implementation of the following teaching programs:

- the Bachelor of Arts in International Studies, which can be combined with most other bachelor's-level degrees at UTS
- the Bachelor of Global Studies (C10264) (see page 285)
- the Australian Language and Culture program (see page 94)
- the Graduate Diploma in International Studies (C06106) (see page 453) and Master of Arts in International Studies (C04262) (see page 436) (by coursework)
- Master of Arts in International Studies (Research) (C03034) (see page 543)
- Doctor of Philosophy (PhD) in International Studies (C02039) (see page 529).

Staff in UTS: International Studies also conduct research in the above areas, with particular strengths in European, Latin American, Asian and China studies, as well as in language teaching and curriculum development. Staff in the program are affiliated with a number of FASS research centres: the Transforming Cultures Research Centre, the Cosmopolitan Civil Societies Research Centre, the China Research Centre and the Centre for Research in Learning and Change.

Staff may also supervise research students in the PhD and Master of Arts in International Studies (Research). Supervision may be available in languages other than English, such as Chinese.

Location, contacts and inquiries

Ask UTS www.ask.uts.edu.au

email iisinfo@uts.edu.au

www.internationalstudies.uts.edu.au

fax +61 2 9514 1500

Bachelor of Arts in International Studies

Technological change, globalisation and increased mobility during the second half of the 20th century have dramatically increased the importance of having an international outlook. In all aspects of life and work, contemporary graduates need to be aware of the wider world. UTS aims to enhance its graduates' understanding of other cultures and societies through the Bachelor of Arts in International Studies, which can be combined with most other bachelor's-level degrees at UTS.

The Bachelor of Arts in International Studies introduces students to languages and cultures of the non-English-speaking world and teaches them about contemporary societies in Asia, Europe and the Americas. The course provides opportunities for students to study overseas for an academic year at an institution of higher education in the country of their international studies major. At postgraduate level, the Master of Arts in International Studies (C04262) (see page 436) (by coursework) also provides the possibility of study overseas for one semester.

The key element in the Bachelor of Arts in International Studies is a period of study overseas (see page 91). In preparation for this, the study of the language and culture (see page 91), contemporary society (see page 94), and political and economic structure of the relevant country is necessary. The course requires undergraduate and postgraduate (coursework) students to follow a single major (see page 95), a specialisation in a particular country or region.

Students study one of the following countries or majors: Argentina, Canada (Québec), Chile, China, Colombia, France, Germany, Italy, Japan, Latino USA, Mexico, Spain or Switzerland.

Students are admitted to the combined degrees with international studies with no guarantee of entry to a specific major, although every effort is made to meet students' preferences. UTS: International Studies reserves the right to allocate places in majors according to its resources and arrangements with overseas universities.

The Bachelor of Arts in International Studies has no prior language requirements.

Each student's choice of major and subjects requires the approval of the Faculty Board of the Faculty of Arts and Social Sciences.

In exceptional circumstances (see special arrangements) (see page 94) students may, with the approval of the head of the International Studies program, vary the designated subjects in their international studies major. See the lists of approved alternative subjects (see page 95) for undergraduate students and for postgraduate students.

International students

International students may apply to undertake any of the combined degrees with international studies, or the postgraduate coursework program. International students follow the same program as local students, and may access any of the majors offered, provided the country they choose as their major is able to grant them a visa to study there. This needs to be determined prior to commencing subjects within the major. If a visa cannot be granted, it is not possible for the student to undertake the chosen major.

Language and culture subjects

UTS: International Studies organises the teaching of Chinese, French, German, Italian, Japanese and Spanish for all UTS students.

UTS students can access language and culture subjects in one of the following ways:

- as part of an undergraduate combined degree or as part of the postgraduate coursework degree program in international studies
- as part of the Bachelor of Global Studies (C10264) (see page 285)
- as a sub-major within a degree where this option is available
- as elective subjects in any other UTS degree, with faculty approval, or
- as non-award subjects.

Students are encouraged to study a language other than English, not only to gain a communication tool, but also to gain an understanding of another culture and society. UTS: International Studies does not usually give exemptions for any previous study of languages. The language and culture subjects admit students at different levels and are able to meet various levels of linguistic competence in order to enhance each student's communicative ability. Students in the combined degree with international studies are asked to contact UTS: International Studies regarding any issues with their language and culture subjects.

UTS students who want to study languages not offered at UTS are asked to apply via cross-institutional enrolment to the university that offers the language they wish to study. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university. UTS: International Studies is unable to assist with cross-institutional enrolments.

UTS students who wish to engage in language and culture studies at UTS, but not for credit to a degree, are admitted as fee-paying, non-award students. Students from other institutions can enrol in language and culture subjects as cross-institutional students. Application forms for non-award or cross-institutional enrolment may be downloaded from the UTS website at:

www.sau.uts.edu.au/applying/non-award.html

In all cases, classes are only taught at UTS if student numbers permit.

Language and culture subjects are an important part of the Bachelor of Arts in International Studies. They are designed to prepare UTS students for further study in the country of their international studies major.

Enrolment procedures for language and culture subjects

Combined degree students in the Bachelor of Arts in International Studies and students in the postgraduate coursework degree program are required to enrol in language and culture subjects as noted on their study plan.

Other UTS students who wish to study a language and culture subject as a credited sub-major or elective(s) in their current degree need to obtain approval from their faculty before they enrol in the subject.

All students undertaking language and culture study at UTS for the first time need to complete a level assessment to ensure that they are placed at an appropriate class level.

UTS: International Studies reserves the right to place students in a class that is appropriate for their level of language proficiency.

The procedure for students who wish to take UTS: International Studies subjects as electives or sub-majors is as follows.

- Students must, at the earliest opportunity during the enrolment period, request permission from their faculty to study the subject by submitting an e-request. When submitting an e-request for a language subject students, must complete the additional fields under the Language Subject Details section. More information is available at language assessment.
- Once the subject is approved, the Student Centre makes an initial assessment of the e-request by analysing the responses in the Language Subject Details section, in conjunction with the submitted supporting statement.
- Student Centres add and waiver the level 1 subject if students have little or no experience in the language, and then reply to the student.
- For students with prior knowledge or experience in the language, their e-requests are forwarded to UTS: International Studies for processing.
- Students who require an assessment need to attend a language session.

Students wishing to study a language as an elective are only granted approval if spaces are available four weeks before the beginning of semester. Places in subjects are limited.

Students intending to take international studies subjects as electives or sub-majors are advised to lodge an e-request at the earliest opportunity during the enrolment period.

Credit points and workload

All language and culture subjects are taught over one semester and have a value of 8 credit points. All language and culture subjects taught on UTS campuses consist of four contact hours a week.

To cater for the different needs of students, each language and culture program has different points of entry depending on a student's language skill. Beginner levels necessarily concentrate more on basic communication skills; the higher levels introduce students to literature and culture in the language of study.

Students who start a language at beginners level on their entry to the Bachelor of Arts in International Studies can expect to acquire survival language skills for their period of in-country study, and to lay a strong foundation for further language acquisition after graduation.

Students with competence in a language they intend to study are admitted to the language and culture subjects at a higher level to reflect their ability in that language. These students are expected to improve their existing skills in speaking, comprehension, reading and writing. Through the process of language acquisition, students are also encouraged to obtain an insight into the relevant culture.

Students in the Bachelor of Arts in International Studies follow a specific language and culture program by enrolling in a series of subjects — four for undergraduates in an international studies combined degree and at least two for postgraduates in the postgraduate coursework degree program in international studies.

In exceptional circumstances students with advanced competence in a language may be exempted from further study in that language. Students who have advanced competence in the language of their major are encouraged to chose a third language in the International Studies program. Other subjects may also be taken. Further details are provided under the regulations for special arrangements (see page 94). Any amendments to the individual student's International Studies program are subject to the approval of the head of the International Studies program.

In-country study

In-country study is a key component of both the Bachelor of Arts in International Studies and the Master of Arts in International Studies (by coursework). It provides a unique opportunity for students to immerse themselves in the language and culture of another country, through a learning program at a host university, through involvement in the life of the local community, and through assignments that are supervised by UTS: International Studies.

When?

Students taking the combined degree with a Bachelor of Arts in International Studies must spend two semesters of study at a university or other higher education institution in the country of their major. In-country study is usually taken in the fourth year of a combined degree. Students taking the Master of Arts in International Studies may spend one semester of study in the country of their major.

Where?

All in-country study is taken in countries where English is not the predominant language. In-country study is organised by UTS: International Studies at over 70 universities in Argentina, Canada (Québec), Chile, China, Colombia, France, Germany, Italy, Japan, Latino USA, Mexico, Spain or Switzerland.

What?

Each student's individual study program depends on their level of language competence and the subjects and other learning experiences that are available at their host university. All students must also complete assignments that are assessed by staff of UTS: International Studies.

Costs

In-country Study 1 and In-country Study 2 are full-credit subjects at UTS for which the student contribution is payable at undergraduate level. Students receiving student financial support in Australia are still eligible to receive it while they are engaged in the period of in-country study. The costs of tuition at overseas universities and of travel between Sydney and the student's place of study are paid by UTS, except in cases where a scholarship has been awarded to a student with provision for these costs. Visa fees are also paid by UTS and students are covered by the UTS Overseas Insurance Policy. Students pay the costs of accommodation and other living expenses during their period of in-country study. Students should be aware that the living costs vary from country to country and that in some countries living costs are high. The UTS medical service is available to students for medical examinations for visas, vaccinations and other country-specific health advice.

Admission to in-country study

Under normal circumstances, students can only proceed to a period of in-country study within the Bachelor of Arts in International Studies after they have successfully completed all earlier stages in the combined degree. Students who have not successfully completed all earlier stages may proceed to a period of in-country study only with the permission of both the dean of the faculty in which their degree is based and the head of the International Studies program.

In-country study academic prerequisites

Before undertaking In-country Study 1, students must have satisfactorily completed:

- 976001 Foundations in International Studies
- four semesters of language and culture subjects approved by the International Studies program as appropriate for the student's particular country major
- the contemporary society subject relevant to country major
- all the required subjects in the student's professional degree program.

Before undertaking In-country Study 2, students need to have successfully completed In-country Study 1.

Content and assessment

Students with a basic level of language competence usually follow a program of study that continues to develop their knowledge and understanding of the host country's language and culture. Those whose level of language competence is adequate, study subjects related to the development of the contemporary society — history, economics, politics, society and culture — of the host country, alongside students from that country. Those whose level of language competence and understanding of local culture is close to that of a native speaker may choose freely from a wide range of subjects with the approval of the host university and UTS: International Studies.

In all cases, students undertake a reduced study load at the host institution. In addition to the classes attended, all students are expected to complete assignments administered by UTS: International Studies, and these, together with a satisfactory report from the host institution, are the basis for assessment.

Any study undertaken at the host university during the two semesters of in-country study is part of the in-country study experience. Students may not credit any subjects completed at their host university during the period of in-country study towards the professional component of their combined degree.

Conditions of participation for in-country study

Before students engage in a period of in-country study, they may be required to meet appropriate financial and enrolment requirements. They are also required to agree to be governed by UTS: International Studies' conditions of participation for the period of in-country study and to abide by the rules and regulations of the host institution and the laws of the host country. The conditions of participation are as follows:

As a student of UTS participating in a period of in-country study within the International Studies program, I understand that I remain subject to the Rules, Codes of Conduct, Policies and Procedures of UTS (see rule 2.1.1) and undertake to:

1. accept financial responsibility for all personal expenditure and for all costs that are additional to those met by UTS; additional costs may include insurance or social security payments required by host universities
2. meet all academic requirements that precede the period of in-country study
3. abide by the regulations for in-country study travel arrangements as set out by UTS: International Studies
4. participate in any pre-departure preparation specified by UTS: International Studies and abide by deadlines in the processes of collating necessary information for travel and university enrolment arrangements
5. advise the appropriate faculty and UTS: International Studies of any changes in an academic program while overseas in accordance with applicable UTS dates and the guidelines of UTS: International Studies
6. abide by the laws of the host country
7. abide by the rules and regulations of the host institution (see rule 2.1.5)
8. behave personally and professionally in an appropriate manner for a representative of UTS
9. consult with staff of UTS: International Studies and advisers at the host institution should any problems arise in relation to academic or other matters during a period of in-country study
10. a. ensure my contact details are updated through my online access via MyStudentAdmin and provided to UTS: International Studies for the entire period of my in-country study
    b. accept that my UTS email address and account will be used for formal communication between the appropriate faculty, UTS: International Studies and me for the period of my in-country study, and that I agree to check my UTS email account regularly
    c. provide regular progress reports to the appropriate faculty and UTS: International Studies, and to respond promptly to any email from the faculty or UTS: International Studies that requests a progress report, requires me to provide information or respond to any other matter
    d. provide UTS: International Studies with current emergency contact details of my next-of-kin in Australia. I confirm that my next-of-kin has consented to the provision of their contact information for emergency purposes. I agree that my next-of-kin may be contacted by UTS: International Studies if any emergency arises including to check on my welfare if I have not provided required academic program information by applicable UTS dates, and/or I have not contacted or responded to the appropriate faculty and/or UTS: International Studies regarding progress reports, requests for information or other matters within a reasonable timeframe (at the discretion of UTS).
11. inform UTS of any pre-existing medical condition, illness or disability which could impact on my ability to fully participate in and complete the period of in-country study and/or which may require additional arrangements or assistance
12. where required by UTS, provide UTS with a letter from a medical practitioner who has previously treated me, confirming:
    a. that I am fit to participate in and complete the period of in-country study
    b. whether I require a travel management plan to manage my illness, condition or disability, and if so, providing a copy of that plan.

I understand that:

a. UTS reserves the right to refuse a student permission to travel overseas where:
b. UTS reasonably believes that there is a real and significant risk of the student's illness, condition or disability resulting in harm or injury to the student or to others, while the student is overseas
c. the student fails to provide written approval for travel from a medical practitioner where requested to do so by UTS, or
d. UTS is unable to reasonably comply with any travel management plan proposed by the student's medical practitioner
e. UTS cannot guarantee that the host institutions will be able to meet the needs of all students, and in some cases students may be advised to complete in-country study by means of approved alternative subjects in Sydney, and
f. failure to abide by these conditions may result in disciplinary action (see rule 2.1.10).

Rules and regulations for in-country study (ICS) travel

- The travel team at UTS: International Studies will be solely responsible for travel arrangements. All travel issues must go via UTS: International Studies travel staff. Students will not have any contact with travel agents, unless advised by UTS: International Studies.
- UTS will pay for the most economical, reasonably direct airfare to the ICS location. This includes applicable government and airline taxes.
- Students must comply with relevant airline security and baggage regulations.
- Major coordinators will decide on departure dates within their major. Students enrolled in the same program within one ICS location will depart from Sydney on the same date. Major coordinators will advise students of their departure dates from Sydney and their arrival dates at ICS locations.
- No changes can be made to the departure date from Sydney (except in cases of serious illness or misadventure and in consultation with the major coordinator and travel staff at UTS: International Studies).
- UTS will not be responsible for any extra costs involved with late travel bookings to the ICS location caused by students not providing relevant documentation within UTS: International Studies set timeframes.
- Students cannot make stopovers, change the routing or add any side trips to their air tickets. Students can individually organise any private travel during their semester breaks.
- Students are responsible for changing the date of their return flight to Sydney no later than 1 April of their ICS year (1 May for Japan major). Once at their ICS location, students are required to make the relevant return flight changes (information on these procedures is distributed at the pre-departure briefing meeting along with air tickets). Return flights are subject to availability in the fare class booked.
- Students should return to Sydney only after completing their academic program at the host university. Students who wish to return to Sydney before their academic program has finished must have prior approval from their major coordinator.
- Students are able to stay overseas for a maximum of 12 months from their departure date ex-Sydney (unless the approved academic program requires a longer stay).
- UTS will not credit or refund travel for students who decide to make their own travel plans, or who fail to re-confirm fully with airlines their return flight details to Australia.
- Students withdrawing from travelling overseas on ICS for personal reasons, after air tickets have been issued, will be responsible for reimbursing UTS all cancellation costs. Cancellations costs may include any agency and airline fees.
- Students will need to comply with instructions given by UTS on repatriation to Sydney for health or security reasons. Directions may be issued via the head of International Studies, major coordinator or travel team.
- Students withdrawing from ICS and returning to Australia for personal reasons once they have travelled overseas but before the census date in the semester in which they travel will be responsible for reimbursing UTS all travel and visa costs associated with their ICS participation.

MA students should also consult the ICS MA Travel Policy, which acts in conjunction with the following document / rules and regulations.

Partner universities hosting in-country study programs

UTS: International Studies reserves the right to make alterations to the location and content of any program of in-country study at any time.

Argentina
- Universidad Católica Argentina (UCA), Buenos Aires
- Universidad Nacional de Cuyo, Mendoza

Canada (Québec)
- Université Laval, Québec City
- École des Hautes Études Commerciales de Montréal (HEC), Montréal

Chile
- Chile Pontifica Universidad Católica de Chile (PUC), Santiago
- Universidad Adolfo Ibáñez (UAI), Valparaiso
- Universidad Católica de la Santísima Concepción, Concepción

China
- Shanghai University, Shanghai
- Yunnan Normal University, Kunming
- Zhejiang University, Hangzhou
- Beijing Institute of Technology, Beijing
- Sun Yat-sen University, Guangzhou
- Tongji University, Shanghai

Colombia
- Universidad de los Andes, Bogotá
- Pontificia Universidad Javeriana, Bogotá
- Universidad de La Sabana, Bogotá

France
- Télécom and Management SudParis, Évry
- Université de Caen Basse-Normandie, Caen
- Université Lumière Lyon 2, Lyon
- Université Michel de Montaigne Bordeaux 3, Bordeaux
- Université de Poitiers, Poitiers
- Université de Reims, Champagne-Ardennes, Reims
- Université Rennes 2 — Haute Bretagne, Rennes
- Université de Strasbourg, Strasbourg
- Université de Toulon et du Var, Toulon
- Université de Provence - Aix-Marseille I, Marseille

Germany
- Georg-Augustus Universität Göttingen, Göttingen
- Technische Universität Berlin, Berlin
- Universität Hamburg, Hamburg
- Universität Karlsruhe, Karlsruhe
- Universität Konstanz, Konstanz
- Universität Potsdam, Potsdam
- Universität Regensburg, Regensburg
- Universität des Saarlands, Saarbrücken
- Universität Tübingen, Tübingen

Italy
- Libera Università di Lingue e Comunicazione IULM, Milan
- Politecnico di Milano, Milan
- Università Cattolica del Sacro Cuore, Milan
- Università degli studi di Bergamo, Bergamo
- Università degli studi di Bologna, Bologna
- Università degli studi di Genova, Genoa
- Università degli studi di Lecce, Lecce
- Università degli studi di Modena e Reggio Emilia, Modena
- Università degli studi di Trieste, Trieste

Japan
- Gifu University, Gifu
- Hokkaido University of Education, Hakodate Campus, Hakodate, Hokkaido
- Ibaraki University, Mito City, Ibaraki Prefecture
- Kagoshima University, Kagoshima, Kyushu
- Kanazawa University, Kanazawa
- Kansai Gaidai University, Hirakata City, Osaka Prefecture
- Kyoto University of Foreign Studies, Kyoto
- Kyushu University, Kyushu
- Kyushu Institute of Technology, Kitakyushu, Kyushu
- Nagoya Institute of Technology, Nagoya City, Aichi Prefecture

- Niigata University, Niigata City, Niigata Prefecture
- Nishogakusha University, Kashiwa, Chiba
- Obirin University, Machida, Tokyo
- Okinawa University, Naha, Okinawa
- Osaka Prefecture University, Osaka
- Tokyo Institute of Technology, O-okayama, Tokyo
- Saga University, Saga
- Saitama University, Saitama
- Sapporo University, Sapporo, Hokkaido
- Yamaguchi University, Yamaguchi
- Yamanashi University, Kofu, Yamanashi
- Yokohama National University, Yokohama

Latino USA

- San Diego State University
- University of Arizona, Tucson
- University of Miami, Florida
- University of Texas, El Paso

Mexico

- El Instituto Tecnológico y de Estudios Superiores de Monterrey (ITSEM), Monterrey
- Universidad de Guadalajara (UdeG), Guadalajara
- Universidad de las Américas (UDLA), Puebla
- Universidad Veracruzana (UV), Xalapa
- Universidad Nacional Autonoma de Mexico (UNAM), Mexico City

Spain

- Universitat Autònoma de Barcelona, Barcelona
- CETT, Barcelona
- Universidad Antonio de Nebrija, Madrid
- Universidad Carlos III de Madrid, Madrid
- Universidad de Cantabria, Santander
- Universidad de Granada, Granada
- Universidad de La Rioja, Logroño
- Universidad de Málaga, Málaga
- Universidad de Cádiz, Cádiz
- Universidad de Zaragoza, Zaragoza
- Universidad de Navarra, Pamplona
- Universidad Pública de Navarra, Pamplona
- University Alfonso X El Sabio, Villanueva de la Cañada (Madrid area)

Switzerland

- Université de Lausanne, Lausanne
- Universität Zürich, Zürich
- Universität Bern, Bern
- Université de Neuchâtel, Neuchâtel
- Université de Fribourg, Fribourg
- Università della Svizzera italiana, Lugano

Academic support and pastoral care

In-country academic advisers from each host university assist UTS: International Studies' staff in monitoring students' progress and provide academic support and pastoral care. At the end of each semester of in-country study, the host university reports to UTS: International Studies on each student's progress. Country coordinators from UTS: International Studies visit each student at least once during their in-country placement and regular contact is maintained with students and with the host universities' academic advisers.

Before departure, students receive both a subject outline and a detailed study guide, which together outline the study program for each host university, including the range of subjects available, assessment guidelines and criteria and advice on practical matters associated with settling into the life of the local community. The study guide also includes contact numbers for Australian embassies and consulates.

An emergency policy has been developed and students are advised of procedures to follow in the event of an emergency.

Alternative arrangements

In-country study is an integral component of the International Studies program; all students are expected to proceed to a period of in-country study during the course. In exceptional cases, after applying for special consideration, provision may be made for students to vary their program of study to fit individual circumstances. Under those circumstances, students may be required to complete their Bachelor of Arts in International Studies by taking subjects from the list of approved alternative subjects. Replacing a 24-credit-point in-country study subject requires that the student complete three alternative subjects, two of which must be from UTS: International Studies. Any such request would need to be made in writing to UTS: International Studies at the earliest possible opportunity. Any variation in the Bachelor of Arts in International Studies is subject to the approval of the head of the International Studies program.

UTS: International Studies reserves the right to vary the in-country study component of the Bachelor of Arts in International Studies program in the event of unsafe conditions in a particular region.

Foundations in international studies and contemporary society

In each major of the Bachelor of Arts in International Studies, students take two specific subjects that provide an introduction to the history, politics, economics and society of the country or region of their international studies major.

The subject 976001 Foundations in International Studies provides students with an understanding of international approaches and perspectives in regards to issues of contemporary importance in Asia, Europe and the Americas. All students take this subject to help them gain an appreciation of representative theoretical approaches to the main forces in global issues sufficient to apply these approaches to specific cross-cultural and interdisciplinary areas of interest.

The contemporary society subjects provide an introduction to a specific country or region in order to ensure that students gain an understanding of its political, social and economic structures, and to identify its more dynamic aspects. No prior knowledge of the culture or skill in the language of the country concerned is required, and all teaching is conducted in English. Contemporary society subjects are taught by UTS: International Studies, with students studying the contemporary society subject relevant to their major (CBK90142). Contemporary society subjects are also offered as electives to all UTS students.

Australian Language and Culture Studies

The Australian Language and Culture Studies program provides English language development through the study of Australian society and culture. Subjects may be undertaken only by study abroad or exchange students who have an English language test score lower than the UTS entry requirement.

The English proficiency requirement for international students or local applicants with international qualifications is IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 64-80 overall with a writing score of 17.

Students may study subjects in the program for one semester then take an IELTS or TOEFL test. Students who then meet the UTS entry requirements can enrol in UTS faculty subjects for the second semester via UTS Exchange. The subjects available in the program are:

- 59709 Australian Conversations
- 59710 Performing Australia
- 59711 Natural Australia
- 59712 Australian Language Studies
- 59713 Australian Media
- 59714 Australians at Work.

Further information is available from UTS International:

telephone + 61 2 9514 1798

fax + 61 2 9514 7843

email studyabroad.exchange@uts.edu.au

www.uts.edu.au/international/exchange

www.uts.edu.au/international/prospective/studying/abroad

Special arrangements

Under certain circumstances some students may need to vary the subjects of study prescribed by their major in the Bachelor of Arts in International Studies.

In these and other exceptional circumstances, special arrangements can be made to cater for individual needs. Students should notify UTS: International Studies in writing, at the earliest time possible, of these circumstances.

Under such circumstances, students are required to study one or more subjects from the list of approved alternative subjects to the equivalent value of credit points (see below).

For any amendment to the course of study, students need approval from the head of the International Studies program.

Approved alternative subjects

Approved alternative subjects for undergraduate students

Approved undergraduate alternative subjects include all language and culture subjects: Chinese, French, German, Italian, Japanese and Spanish. All language and culture subjects have a value of 8 credit points and are taught over one semester.

All contemporary society subjects may be taken as approved alternative subjects: Contemporary Canada (Québec), Contemporary China, Contemporary France, Contemporary Germany, Contemporary Italy, Contemporary Japan, Contemporary Latin(o) America, Contemporary Spain and Contemporary Switzerland. All contemporary society subjects have a value of 8 credit points. Note: Contemporary France, Contemporary Germany, Contemporary Italy, Contemporary Spain and Contemporary Switzerland are offered at the same time and day in Spring semester only; students are thus only able to select one of these subjects in that semester.

Other approved alternative subjects may be any of the following, subject to availability: 58227 Balancing World Views: Introduction to Aboriginal Cultures and 58218 Ideology, Beliefs and Visions. Each of these subjects has a value of 8 credit points.

Approved alternative subjects for postgraduate students

Approved postgraduate alternative subjects include all language and culture subjects: Chinese, French, German, Italian, Japanese and Spanish. Other approved alternative subjects are also available in CBK90900.

Sub-majors, electives and non-award studies

Students at UTS can increase their intercultural skills by enrolling in a language and culture program and contemporary society subject. Students in any degree offered at UTS may be able to take these subjects as electives or as a sub-major, provided this is approved by their faculty.

Students can study Chinese, French, German, Italian, Japanese and Spanish.

Sub-majors are available by combining three international studies subjects; three contemporary society subjects from an international studies sub-major (SMJ09034); a contemporary society subject and two relevant consecutive language and culture subjects from a specialist country studies sub-major (SMJ09036); or three consecutive language and culture subjects from a language other than English (LOTE) studies sub-major (SMJ09035).

Language and culture subjects and contemporary society subjects may also be taken as non-award studies.

Note: Contemporary France, Contemporary Germany, Contemporary Italy, Contemporary Spain and Contemporary Switzerland are offered at the same time and day in Spring semester only; students are thus able to select only one of these subjects in that semester.

Further information on these subjects can be found in the study package directory.

Undergraduate course information

Bachelor of Global Studies

The Bachelor of Global Studies (C10264) (see page 285) is a new transdisciplinary degree focusing on the connections between the political, economic and cultural aspects of global phenomena, within the context of a chosen area of study. The program requires students to be able to engage in complex problem-solving regarding global phenomena from several different perspectives.

All students follow a core program in global studies, select a major, and either two sub-majors or one sub-major and an exchange semester:

- global studies core subjects (48cp)
- major choice (48cp)
- sub-majors and exchange semester (48cp).

In addition, students undergo a domestic work placement within a workplace that deals with global issues and practices in the first semester of the third year of the degree.

Bachelor of Arts in International Studies combined degrees

UTS: International Studies offers the degree of Bachelor of Arts in International Studies through combined degree programs only. Combined degrees have been established between UTS: International Studies and the faculties of Arts and Social Sciences; Business; Design, Architecture and Building; Engineering and Information Technology; Law; Nursing, Midwifery and Health; and Science.

The combined degree with international studies at UTS is designed to produce graduates who are primarily trained in a professional or practical discipline, but who also have a substantial knowledge and appreciation of a non-English-speaking culture.

In addition to their professional degree program, students who undertake the combined degree program follow an international studies major that concentrates on a specific country or region. Students learn about its language and culture, study its contemporary society and spend two semesters studying there.

The international studies component of any combined degree amounts to the equivalent of two years of full-time academic study or 96 credit points. It is studied concurrently with the major discipline of study in an integrated program. Combined degrees have been structured to facilitate the study of two separate programs at the same time.

Each combined degree program has a course coordinator in the appropriate faculty. Inquiries about a specific combined degree program should be addressed to the relevant course coordinator.

Combined degree students enrol at the University through the faculties.

Outlines of the combined degrees with the Bachelor of Arts in International Studies are provided in other sections of this handbook.

Undergraduate students studying for the Bachelor of Arts in International Studies study 96 credit points: four sequential subjects that focus on a relevant language and culture, one subject that introduces students to the study of social change, one subject that examines contemporary society, and two semesters at an institution of higher education in the country of their major.

- language and culture 1–4: four subjects, four semesters (4 x 8cp)
- 976001 Foundations in International Studies: one subject, one semester (8cp)
- contemporary society: one subject, one semester (8cp)
- in-country study 1–2: two subjects, two semesters overseas (2 x 24cp).

Transferring into the combined degree with international studies

Students admitted into a degree at UTS may apply to transfer into a combined degree with international studies via the University's internal course transfer process towards the end of their first year, provided it is in the same area of study. Transfers between different areas of study need to go through the Universities Admissions Centre. Approval to transfer is made by the student's faculty. Transferring students need to be aware that places in some majors in the Bachelor of Arts in International Studies are limited, and may already be capped at the time of the proposed transfer, due to the fact that combined degree students select their majors in a ballot that takes place in semester one of their first year of study at UTS. Thus, while every effort is made to accommodate transferring students in their preferred major, it may not always be possible to admit students into popular majors at the time of transfer. Popular majors subject to capping during the first-year ballot process may include France, French-speaking Switzerland and Spain. Note that UTS: International Studies reserves the right to allocate places in majors according to its resources and arrangements with overseas universities.

Majors

The majors available in the Bachelor of Arts in International Studies are listed below. Each major includes 32 credit points (four 8-credit-point subjects) of instruction in language and culture; 8 credit points of study of 976001 Foundations in International Studies; 8 credit points of study of contemporary society; and 48 credit points (two semesters) of study at a university or institution of higher education in the country of the major:

- Argentina (MAJ08954)
- Canada (Québec) (MAJ08933)
- Chile (MAJ08918)
- China (MAJ08919)
- Colombia (MAJ09409)
- France (MAJ08920)
- Germany (MAJ08921)
- Italy (MAJ08923)
- Japan (MAJ08924)
- Latino USA (MAJ09380)
- Mexico (MAJ08926)
- Spain (MAJ08927)
- Switzerland (MAJ08932).

Postgraduate course information

UTS: International Studies offers both research and coursework postgraduate degrees.

Progression rules

Postgraduate students are advised that they may be excluded from a course if they exceed the maximum time allowed for completion of that course (rule 10.5 of the Student and Related Rules).

Postgraduate coursework

UTS: International Studies offers the following postgraduate coursework degree programs:

- Graduate Diploma in International Studies (C06106) (see page 453)
- Master of Arts in International Studies (C04262) (see page 436).

These two programs provide opportunities for students from any disciplinary background to study a language and culture other than English and thus add an international dimension to their undergraduate qualification. In particular, the programs enable students to:

- learn or improve their knowledge of the language of the country they choose to study
- learn about contemporary society in the country they choose to study, and
- learn about cultural diversity and social change.

Graduate Diploma in International Studies

Postgraduate students studying for the Graduate Diploma in International Studies (C06106) (see page 453) are required to study 48 credit points, comprising at least two sequential subjects that focus on a relevant language and culture; 979508 Research in International Studies; a Contemporary Society subject; plus two elective subjects.

- language and culture 1–2: two subjects, two semesters (2 x 8cp)
- 979508 Research in International Studies: one subject, one semester (8cp)
- 979xxx Contemporary Society subject: one subject, one semester (8cp)
- approved electives (16cp).

Master of Arts in International Studies

Postgraduate students studying for the Master of Arts in International Studies (C04262) (see page 436) are required to study at least two sequential subjects that focus on a relevant language and culture. Students must also undertake 979508 Research in International Studies; a Contemporary Society subject; plus two elective subjects.

Once these six subjects have been completed, students will undertake In-country study 1 (prerequisite subject: 979508 Research in International Studies).

- language and culture 1–2: two subjects, two semesters (2 x 8cp)
- 979508 Research in International Studies: one subject, one semester (8cp)
- 979xxx Contemporary Society subject: one subject, one semester (8cp)
- approved electives (16cp), and
- in the final component: In-country Study 1: one subject, one semester overseas (24cp).

Postgraduate research

UTS: International Studies accepts research students for the following higher degrees:

- Master of Arts in International Studies (C03034) (see page 543)
- Doctor of Philosophy in International Studies (C02039) (see page 529).

Applications for research degree candidature are welcomed from graduates with an interest in the social, political, economic and cultural changes that have taken place in Asia, Europe and the Americas.

Students interested in China may choose to write their thesis in Chinese or in English. Students may undertake their candidature either in China or in Australia. UTS: International Studies can supervise students in the fields of modern and contemporary Chinese history, Chinese political economy, social change in the People's Republic of China, and contemporary Chinese culture.

UTS: LAW

Information for students

Law courses are administered by UTS: Law. The information provided in this section is an introduction to the full range of information that is available and is not intended to be complete. Students are advised to visit UTS: Law and other UTS websites for more comprehensive information.

www.law.uts.edu.au

Location, contacts and inquiries

UTS: Law is located at City campus, Haymarket. Most academic and administrative staff are located in Building 5, City campus, Haymarket, although some staff are located at 645 Harris St, City campus, and at Kuring-gai campus, Lindfield.

CM05B

Building 5, block B

City campus, Haymarket

cnr Quay St and Ultimo Rd

Haymarket NSW 2000

Detailed directions are available at:

www.uts.edu.au/about/maps-and-facilities

UTS: Law reception

CM05B.3.03

Building 5, block B, level 3

City campus, Haymarket

cnr Quay St and Ultimo Rd

Haymarket NSW 2000

telephone +61 2 9514 3495

fax +61 2 9514 3400

Staff contact details are available from:

http://staffsearch.itd.uts.edu.au/webapps/staffsearch

Postal address

UTS: Law

University of Technology, Sydney

PO Box 123

Broadway NSW 2007

Australia

Student inquiries and course information

UTS Student Centres provide information and assistance to students and the general public, and are the first point of call for all student and course-related inquiries, including course progression, information and advice, and interpretation of University rules and regulations.

Haymarket Student Centre

CM05C.1

Building 5, block C, level 1

City campus, Haymarket

cnr Quay St and Ultimo Rd

Haymarket NSW 2000

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Faculty structure

The UTS: Law executive is led by the dean and is supported by two associate deans and the faculty manager.

UTS: Law is governed by the Faculty Board in Law which consists of ex officio members, elected staff members and elected student members. The Faculty Board in Law meets quarterly and is the formal decision-making body of UTS: Law. A number of faculty committees report to the Faculty Board in Law.

The UTS: Law Advisory Board comprises faculty management and representatives from the legal profession, government and the community. The UTS: Law Advisory Board suggests and scrutinises proposed initiatives as well as offering strategic advice and an external focus for UTS: Law.

Faculty policies and procedures

Progression and acceleration

Students may seek permission from the director (students) (by way of e-request) to enrol in subjects totalling more than 28 credit points a semester if:

- there is no timetable clash
- maximum class size is not exceeded
- the student's academic record indicates that he or she is capable of performing satisfactorily with an increased workload, and
- the student can demonstrate that his or her work and other non-study commitments permit him or her to increase their workload without detriment to their studies.

In Summer session, students may undertake a total of two subjects or less.

UTS: Law cannot guarantee avoidance of timetable and/or examination clashes where students do not follow the standard course progression.

Timetable

The current timetable is available at:

http://timetable.uts.edu.au

Class attendance

Law classes for full-time studies are generally timetabled during the day. Registrations in evening or other classes are subject to availability and UTS: Law does not provide any guarantees in securing preferences.

Study load and class attendance details are available in course duration and attendance (see page 29) in the general information section.

Guide to written communication

Essays and other written work should be prepared in accordance with the guidelines laid down in UTS: Law's *Guide to Written Communication*.

Further information and the required assignment coversheet are available at:

www.law.uts.edu.au/assessment/assignments.html

Unless advised otherwise by the lecturer, assignments must be typed and must also be properly written with due regard to spelling, punctuation, grammar and syntax.

A lecturer may require the written work to be submitted through Turnitin prior to formal submission and may also request that a copy of the Turnitin report be attached to the written work.

Unless otherwise instructed by the lecturer, all written work should include footnotes or endnotes and a bibliography in the manner set out in the *Guide to Written Communication*.

Any piece of written work which does not comply with these requirements may be:

- required to be rewritten in proper form
- penalised in marks, or
- rejected without assessment.

Assessment

Lodgement of assignments

All work submitted for assessment should bear a UTS: Law assignment coversheet. Students are required to retain a copy of all assignments submitted. Students who are handing in written work must submit it, with an assignment coversheet attached, in the assignment box located adjacent to the UTS: Law reception (Building 5, block B, level 3). The assignment box is cleared every business day at 6pm during faculty teaching weeks and at 5pm during faculty non-teaching weeks and Summer session. Assignments submitted by fax or email are not accepted by UTS: Law, unless otherwise arranged with the lecturer.

Assignments coversheets must include the completed and signed Academic Honesty Declaration.

Late work

Any assessment task submitted after 6pm during faculty teaching weeks, or 5pm during faculty non-teaching weeks and Summer session, on the due date of submission will either be rejected without assessment (where the subject outline states that this will be the consequence of an assessment task being submitted after the due time on the due date) or penalised by way of loss of marks unless an extension has been sought and approved by the subject coordinator (after due consideration of any submission made by the academic liaison officer on behalf of special needs students) through a request for extension or application for special consideration.

In the absence of compelling circumstances, no application for a request for extension will be accepted after the due date.

Insofar as there is to be a penalty by way of loss of marks, five per cent of marks for the assessment task will be deducted per day for assessment tasks submitted after the due date. Submission will not be accepted after assessment tasks have been returned to other students.

Plagiarism

Where individual work is required for the purposes of assessment, the copying, unacknowledged use of, or reliance on the work of other individuals without acknowledgment is considered to be cheating/misconduct. The penalties imposed for cheating/misconduct or allowing work to be plagiarised are severe under the University Rules and regulations.

Plagiarism is one of the most serious crimes in the academic community. It indicates an attempt by someone to pass off the words and/or ideas of another as their own. To take any but a few sequential words of another without acknowledgment is plagiarism and tantamount to cheating. It is so treated at UTS: Law.

Experience shows that one of the most common ways for plagiarism to occur is when students work together. It is acknowledged by the academic staff that study groups are an efficient and beneficial method of learning but problems arise when it is extended into the assessment process. UTS: Law expects, in fact demands, that all assignments submitted be the work of the person who is credited with the mark. It can be an extremely fine line between discussion of an essay topic with another, and collaboration, but where comparisons of various students' work indicate collaboration this is taken to be plagiarism.

Acts of plagiarism are penalised.

Student facilities

UTS: Law library

The library aims to support the teaching, learning and research needs of students and staff at UTS: Law. The law collection consists of print and electronic sources while training and research assistance can be provided. Further information is available at:

www.lib.uts.edu.au

For information or assistance contact the UTS: Business and Law library team at:

www.lib.uts.edu.au/about-us/staff-profiles/information-services/business-law-team

Computer labs

UTS: Law provides four computer labs for use by UTS: Law students. Students have access to the full range of Microsoft Office applications, the internet and printers, and are supported by a faculty-based Information Technology Division (ITD) team.

The labs are located at:

CM05B.3.25, CM05B.3.26, CM05B.3.35, CM05B.3.36

Building 5, block B, level 3

City campus, Haymarket

Opening hours: 7.30am–10pm Monday–Friday, 8am–6pm Saturday and Sunday during semester.

In addition, ITD provides computer laboratories for UTS students on all campuses. Further information is available from:

www.itd.uts.edu.au

Law Students' Society

The UTS Law Students' Society (LSS) is the largest student-run society on campus. It provides a variety of services to law students and its members ranging from organising social events, educational seminars and mentoring programs, running legal competitions, providing careers information, writing legal and non-legal publications and representing the educational concerns of law students. An important part of this role is being a key communication channel between UTS: Law and the student body including representing student concerns to the Dean where necessary.

The LSS communicates its various events, services, publications and competitions, as well as relevant activities of UTS: Law, to students through its website; social networking sites such as Facebook and Twitter; free fortnightly e-newsletter, *The Buzz*, which students and staff can subscribe to via the LSS website; and its 'subject tab' on UTS Online.

A council of student members, elected by law students in or around October each year, governs the LSS. The council meets on a monthly basis throughout the year, with fortnightly meetings of the executive, to review the activities of LSS and options for improvement and reform. Interest and input are encouraged from students, and many of the ideas acted upon originate from members of the LSS.

Social functions are an important part of university life and the LSS regularly organises functions for students. Popular events include the annual orientation camp, first-year drinks, harbour cruise, 'Perspectives on Law' dinner, speaker series, law revue, intervarsity sports day, numerous other intervarsity events, informal barbecues and the highlight of the social calendar, the Law Ball.

Services to members include:

- the Brennan Justice and Leadership Program, a joint initiative with the Faculty of Law
- legal competitions such as mooting, client interviewing, negotiation, witness examination and paper presentation
- the LexisNexis Textbook Equity Scheme (a textbook loan program) for financially disadvantaged students
- a Peer Mentoring Program for first-year students, a joint initiative with the Faculty of Law
- the King and Wood Mallesons Professional Mentoring Program for students wishing to expand their professional network
- a regularly updated database of subject tutors
- a regularly updated database of social justice opportunities
- affiliation with the Australian Law Students' Association (ALSA), including provision of all ALSA publications to students and sending a UTS delegation to the annual ALSA July Conference
- a quarterly academic publication, *The Full Bench*, containing student contributions
- an introductory guide to Law School for new students, the *Law School Manual*
- careers publications for legal and non-legal graduate opportunities, and
- a Clerkship Seminar Series, Clerkship Networking Evening, and a Careers Networking Evening, a joint initiative with the Faculty of Law.

Location and contact details

A list of council members and their contact details is posted on the LSS website. Alternatively, students can make initial contact with the LSS by emailing the president.

UTS Law Students' Society

c/o Faculty of Law

PO Box 123

Broadway NSW 2007

CM05A.1.08

Building 5, block A, level 1, room 8

City campus, Haymarket

cnr Quay St and Ultimo Rd

Haymarket NSW 2000

telephone +61 2 9514 3448

fax +61 2 9514 3427

email president@utslss.com

www.utslss.com

Centres within UTS: Law

The Law Research Centre (LRC) aims to foster an environment that: promotes excellence in academic research, serving the community and the professions; contributes to law reform; and assists in the creation of a just and principled society.

Under the umbrella of the LRC, five research networks have been established:

- Health, family and communities
- Intellectual property, media and communications
- Corporate, commercial and tax
- Criminal justice and criminology
- International law, human rights and the environment.

The LRC is the home of the Australasian Legal Information Institute (AustLII) which provides a unique legal research infrastructure for the LRC. AustLII is committed to creating open access to legal knowledge through its research and related activities and has been in operation for 18 years.

Also affiliated with the LRC is the Communications Law Centre, an independent, non-profit, public interest centre specialising in communications, media and online law and policy. The centre was established in 1988 and it is now a UTS centre in the Faculty of Law and the Faculty of Arts and Social Sciences.

Anti-Slavery Australia is an award winning centre of the Faculty of Law and the only University based legal, research and policy centre in Australia focused on slavery, trafficking, forced labour, forced marriage and extreme labour exploitation. Anti-Slavery Australia is involved in research, teaching, and working with law students on a range of social justice initiatives.

Industrial training/professional practice

Admission to legal practice in Australia

Admission to the Supreme Court of NSW to practise as a lawyer in New South Wales is based upon the successful completion of an accredited academic legal qualification and an accredited course of practical legal training (PLT).

The UTS Bachelor of Laws (C10124) (see page 182) (LLB) and Juris Doctor (C04236) (see page 405) (JD) are accredited academic legal qualifications.

Practical legal training

The Faculty of Law's PLT program is accredited by the Legal Profession Admission Board of the Supreme Court of NSW (LPAB). UTS: Law was the first to offer an accredited PLT program in Sydney at a university level. The program comprises subjects which satisfy the competencies required by the Legal Profession Admission Rules 2005 and a practical experience work placement.

Further details regarding the structure of the PLT program can be obtained from a UTS Student Centre.

Practical experience

A compulsory and integral part of the PLT program is completion of 75411 Practical Experience work placement. Students must undertake an approved 16 weeks of full-time, or equivalent part-time, work placement. Further information regarding completion requirements is available from the practical experience guidelines and rules at:

www.law.uts.edu.au/practical/experience

International law graduates

Students who have been admitted to practise as a lawyer in a country outside Australia should have their legal qualification assessed by the Legal Profession Admission Board (LPAB) (www.lawlink.nsw.gov.au/lpab)

UTS: Law offers two courses to allow lawyers from a common law background to meet the LPAB requirements to practise law in Australia. Depending on the number of subjects required by the LPAB, candidates need to complete one of the following courses:

- Graduate Certificate in Australian Law (C11211) (see page 510) requires the completion of four set subjects (30 credit points) and subject substitution is available for one subject only where it is approved. This course particularly suits lawyers from Canada, USA and the UK.
- Graduate Diploma in Australian Law (C07073) (see page 464) is designed specifically to meet the requirements of the LPAB assessment. The course is designed for subject choices to be tailored to meet the needs of individual students in line with the LPAB requirements.

To qualify as a lawyer in New South Wales the above courses need to be followed by enrolment in a practical legal training (PLT) program, which may be completed at UTS by enrolment in the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Students from a non-common law background may be required to enrol in the Juris Doctor (C04236) (see page 405), depending on the number of subjects required by the LPAB.

International lawyers who have received LPAB assessment of their law qualification and would like to receive a study plan which best suits their needs from courses offered by UTS: Law are invited to send a scanned copy of the assessment to the Haymarket Student Centre at:

Ask UTS www.ask.uts.edu.au

Bar exams

Students who wish to pursue a career as a barrister can find information about education, training and professional development from the NSW Bar Association at:

www.nswbar.asn.au

Application and admission

International candidates who wish to enrol in one of the above courses can find information about the application process and due dates for application at:

www.uts.edu.au/future-students/international/essential-information/applying-study-uts

Information about fees for international students is available at:

www.sau.uts.edu.au/fees/international

Local students lodge applications via UAC.

Admission to postgraduate law courses is available twice a year in Autumn and Spring semesters. Juris Doctor, Master of Legal Studies and Graduate Diploma in Legal Studies students may also commence in Summer session.

Law postgraduate information sessions

UTS: Law holds a series of postgraduate information sessions that provides a good opportunity for prospective students to:

- receive further information about postgraduate courses
- seek advice from senior academic and administrative staff
- submit a direct application for postgraduate coursework study at UTS: Law.

Sessions are held throughout the year. Information and registration are available from UTS: Law at:

www.uts.edu.au/future-students/law

Graduate employment and summer clerkship programs

UTS: Law participates in graduate employment and summer clerkship programs in conjunction with major Sydney law firms and government departments.

The programs were devised in 1980 and are generally open to penultimate and final-year law students who are interested in working in one of the large law firms or government organisations. Students who participate develop a greater understanding of employment opportunities and legal experience while adding detail to their curriculum vitae.

UTS: Law, in conjunction with the UTS Careers Service and UTS Law Students' Society, organises a range of support services for interested students within application timelines each year.

Further information on support services, guidelines and key dates are available at:

- Graduate employment: www.law.uts.edu.au/careers/graduate
- Summer clerkship: www.law.uts.edu.au/careers/clerkship

Cross-disciplinary subjects

UTS: Law offers a range of cross-disciplinary law subjects — studies in various strands of the law for students not undertaking a law qualification but who wish to become familiar with the law as it affects their chosen profession. Through its cross-disciplinary program, UTS: Law offers subjects for students in the UTS Business School; UTS: Design, Architecture and Building; UTS: Engineering and Information Technology; UTS: Health; and UTS: Science.

Cross-disciplinary students enrol in UTS: Law subjects through their home faculty and any inquiries should be made in the first instance to the UTS Student Centre.

Further information is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Majors and sub-majors offered to students from other faculties

Majors

The following law majors are available within courses from other UTS faculties.

- Master of Business Administration (C04018) (see page 355)
- Business Law (MAJ09362)
- Bachelor of Business (C10020 (see page 130)/C10021 (see page 132)/C10026 (see page 132)/C10027) (see page 135)
- Business Law (MAJ09401)
- Bachelor of Global Studies (C10264) (see page 285)
- Legal Studies (MAJ09399)

Sub-majors

The following law sub-majors are available within courses from other UTS faculties.

- Bachelor of Business (C10020 (see page 130)/C10021 (see page 132)/C10026 (see page 132)/C10027) (see page 135)
- Business Law (SMJ09030)
- Taxation Law (SMJ09033)
- Master of Business Administration (C04018) (see page 355)
- Business Law (SMJ09037)

Some courses from other UTS faculties may also include law subjects not listed under any of the above majors and sub-majors; students should check the handbook entry for the course in which they are enrolled for further details or contact the appropriate UTS Student Centre.

Undergraduate course information

UTS: Law offers a range of bachelor's degrees (see page 14), from the stand-alone Bachelor of Laws (C10124) (see page 182) to Bachelor of Laws degrees that can be combined with a degree in business, communication, creative intelligence and innovation, engineering, information technology, international studies or science. Whether students are focused on studying the law on its own, or are looking to expand their qualifications and career opportunities with a combined degree, UTS: Law offers practical, work-ready courses with the practical legal training (see page 519) (PLT) program option to get students qualified sooner.

Applications

Offers to undergraduate UTS: Law courses are based on academic merit. Further information is available at:

www.uts.edu.au/future-students/law/essential-information/application-information

Recommended reading prior to entry

Patrick Keyzer's *Legal Problem Solving: A Guide for Law Students* (published by LexisNexis Butterworths) or *A Career in Law* edited by Jim Corkery (published by Federation Press) can be purchased from the Co-op Bookshop, the Sydney Law Cooperative Bookshop, LexisNexis Butterworths or the Law Book Company.

Rules and procedures

Subjects

UTS: Law timetables undergraduate subjects over three teaching periods: Autumn semester, Spring semester and Summer session. The full range of core and option subjects that may be timetabled can be found under each of the course entries.

Core law subjects

All core law subjects are taught in both Autumn and Spring semesters. Core law subjects are timetabled in the day and repeated in the evening.

Option subjects

A range of option subjects are taught in both Autumn and Spring semesters and during Summer session. However, not all option subjects are timetabled every semester and some option subjects are only offered once every two years. Timetabled option subjects are offered subject to sufficient student interest and academic availability.

Subject descriptions

Descriptions of the law subjects available are provided in subjects (see pages 738–1111).

In order to assist students with understanding the interrelationships of the various option subjects, their general orientation and to make informed choices, option subjects can be classified into the groups listed below.

Students who are unsure which subjects fall under each group are advised to contact UTS: Law. The groups are:

- corporate and commercial law
- comparative law
- criminal law
- environmental law
- family and health law
- industrial and employment law
- intellectual property law practice

- international law
- jurisprudence
- media and communications
- public law
- taxation law.

Credit recognition

Credit based on previous studies may be granted within UTS: Law's undergraduate degrees, subject to University Rules and UTS: Law guidelines. The granting of exemptions is at the discretion of the associate dean (teaching and learning). All students seeking credit for previous studies must lodge an application to the Haymarket Student Centre prior to enrolment. Information in relation to applying for credit, including the precedent list, can be found at:

www.law.uts.edu.au/cr

Inquiries

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Law subjects

Students may be able to obtain exemption from law subjects (core law, law option and practical legal training subjects), up to a maximum of 48 credit points, if they are able to satisfy the Faculty Board in Law that a comparable course of study has been successfully undertaken as a Bachelor of Laws subject at another recognised university.

To verify this, if the subject upon which the student is basing their credit recognition application does not appear on the precedent list, the student must provide a transcript of his or her academic record and a detailed subject outline, together with the subject reading guide that was current at the time of study, for assessment. Students who have undertaken a law subject at another university, either in the year before or after that which is published on the precedent list, may seek an exemption without supplying the full subject outline as part of their credit recognition application.

Exemptions for law subjects are only granted to students on the basis of equivalent subjects completed as part of a law degree offered by a law school at a recognised university.

Exemptions are not granted on the basis of studies completed through the Law Extension Committee of the Supreme Court (LPAB).

As a general rule, exemptions for law subjects are not given if the subject upon which the student is basing their application for credit recognition was studied more than six years ago. The time period indicated by the 'six-year rule' is calculated from the date the subject was successfully completed to the date when it is due to be undertaken at UTS: Law.

However, the Faculty Board in Law shall always retain discretion to waive the application of the rule in cases where there is additional evidence of work or study experience. Indeed, in subjects where there have been significant recent changes in the law, an exemption may not be granted even though the subject was successfully completed less than six years ago. Currently, credit recognition for practical legal training (PLT) subjects has a time limit of three years.

Non-law subjects

It is possible to obtain exemptions for non-law option subjects in the Bachelor of Laws if students have completed a bachelor's degree, advanced diploma or diploma course from a recognised university. The maximum exemptions that can be granted on the basis of having completed a course are 48 credit points for a bachelor's degree (three years, full time). Students with an incomplete degree, a completed advanced diploma or diploma are granted credit points on a pro rata basis. No exemptions can be sought for a partially completed diploma or advanced diploma. These exemptions are not permitted in combined degree courses.

Students applying for credit recognition on the basis of a single, completed prior degree may be granted 48 credit points of exemptions for the general elective choice block of the straight Bachelor of Laws or, if the prior study was relevant, up to 48 credit points of exemptions from law subjects.

Concurrent study at another university

Subject to approval by UTS: Law, students may apply to undertake elective subjects (options) in undergraduate law courses at other universities for credit towards an unspecified option within their course at UTS. A concurrent studies application consists of a cover sheet, subject outline(s) for the proposed subject(s), and a personal statement explaining the student's motivation for undertaking concurrent study. Subject outlines must detail the academic content, attendance and assessment requirements, and the reading guide of the subject(s) proposed to be completed. A complete application should be submitted to the Haymarket Student Centre before applying to the other institution. Subjects completed concurrently at another institution without prior approval risk not being credited to the student's course at UTS.

- Students cannot undertake core subjects on a concurrent basis.
- Students cannot undertake options on a concurrent study basis if UTS: Law offers the equivalent subject during the proposed semester.
- Students must complete a minimum of 50 per cent of the credit point value of their course at UTS.

The concurrent studies application form is available at:

www.sau.uts.edu.au/forms

Internal course transfers

UTS students who transfer into the Bachelor of Laws from an incomplete UTS combined law degree may receive exemptions on a pro-rata basis, to a maximum of 48 credit points, from non-law subject options for subjects which have been completed as part of their previous UTS studies.

Honours

It is possible for students to gain an award with honours in the Bachelor of Laws degree or the law component of combined degrees.

An additional year of study is **not** required. To qualify for honours, a student must complete 76040 Research Thesis, as an option subject of 6 credit points within the degree. This subject forms part of the credit points required for degree completion. 76040 Research Thesis has requirements that students must comply with in addition to the Honours Regulations (below). Further details are available in the online subject description.

The Honours Regulations are:

1. **Awards**

1.1 Awards of the Law degree or the Law component of a combined degree shall be classified as follows:

a. degree (with first class honours)
b. degree (with second class honours), and
c. degree.

1.2 Award of the degree with second class honours shall not be graded.

2. **Requirements of honours**

2.1 To qualify for an award of the degree with honours a student shall:

a. successfully complete 76040 Research Thesis
b. subject to requirements below, obtain an honours mark, calculated in accordance with the formula 'sum of all' (UTS law subject credit points multiplied by mark) divisible by the 'sum of all law subject credit points' such that:
   i. for first class honours: no less than 75.00
   ii. for second class honours: in the range of 70.00 and 74.99 (note that in calculating the honours mark, rounding occurs to two decimal places)
c. not fail any subject after the first semester of study
d. successfully complete not less than 96 credit points of law subjects within UTS: Law
e. for the purpose of the calculation in 2.1(b), students may discount up to three of their worst subjects provided that at least 12 UTS Bachelor of Laws subjects are included in the calculation, and
f. a student's honours mark shall include the mark obtained by the student in 76040 Research Thesis notwithstanding that such a mark might be one of their worst subjects.

2.2 In exceptional circumstances the director (students) may modify or dispense with the requirements of regulation 2.1, subject to appeal to the Faculty Board in Law.

To be eligible for a University medal, an undergraduate student must have achieved the highest first class honours mark in the graduating cohort.

International exchange program

UTS: Law participates in the international student exchange program administered by UTS: International. Through the program, it is possible to undertake the following study options at overseas exchange partner universities:

- three or four law or non-law subject options from CBK90300 Electives (Law), or
- three law subjects from CBK90592 Options, or
- four law subjects from CBK90507 Options (Law) (if not using PLT as part of their degree).

To be eligible for the program, students should have a credit average or better and have completed 68 credit points of core subjects including 70517 Equity and Trusts before going overseas. The number of places is strictly limited.

Results achieved in study overseas are recorded as a pass or fail grade without a mark. It should be noted that the pass/fail results for exchange subjects are excluded from the calculation of a GPA and in the calculation for honours.

Information and application packs are available from UTS: International. Further information is available at:

www.ssu.uts.edu.au/globalexchange

Postgraduate course information

The UTS: Law postgraduate program has grown dramatically in recent years. Postgraduate course offerings are continuously being updated to ensure they are aligned with and meet the needs of the profession and the community.

Close student interaction between the legal profession and UTS: Law offers students a first-class education and a marketable postgraduate legal qualification. Classes are taught by a mix of practising professionals and full-time academic staff who ensure students gain specialised knowledge and training within their degrees.

UTS: Law strives to meet the expectations of its students to foster a collegial environment in which both academics and students are driven by a commitment to outstanding intellectual achievement.

Internal course transfer

Students may apply to articulate up or down between graduate certificates, graduate diplomas and master's programs, within the same area of study. Students should apply for an internal course transfer before the program they are currently enrolled in is completed. Appropriate successfully completed subjects are credited to the new course if the transfer is approved.

Students are also permitted to apply for an internal course transfer across postgraduate courses of the same level. Only completed subjects relevant to the new course can be credited if the transfer is approved. Students are not permitted to apply for an internal course transfer between undergraduate and postgraduate courses.

Further information is available at:

www.sau.uts.edu.au/enrolment/course/transfer/continuing.html

Credit recognition

Credit recognition based on previous studies may be granted subject to University Rules and UTS: Law guidelines.

The granting of exemptions is at the discretion of the associate dean (teaching and learning). All students seeking credit recognition based on previous studies must lodge an application to the Haymarket Student Centre prior to enrolment.

Information on applying for credit recognition based on previous studies, including the precedent list, is available at:

www.law.uts.edu.au/cr

Students may be able to obtain exemption from law subjects if they are able to satisfy the Faculty Board in Law that a comparable course of study has been successfully undertaken at another recognised university.

To verify this, if the subject upon which the student is basing their application for credit recognition does not appear on the precedent list, the student must provide a transcript of his or her academic record and a detailed subject outline, together with the subject reading guide that was current at the time of study, for assessment. Students who have undertaken a law subject at another university, either in the year before or after that which is published on the precedent list, may seek an exemption without supplying the full subject outline as part of their credit recognition application.

Exemptions from core subjects, as well as practical legal training subjects, are only granted to students on the basis of equivalent subjects completed as part of a law degree leading to professional practice and offered by a law school at a recognised university.

Exemptions for postgraduate law option subjects are only granted to students on the basis of study undertaken as part of a postgraduate law course offered by a law school at a recognised university.

Exemptions are not granted to students who base their application for credit recognition on the completion of cross-disciplinary subjects.

Exemptions are not granted on the basis of studies completed through the Law Extension Committee of the Supreme Court (LPAB).

The following limits apply to credit granted to postgraduate courses of three years, or less, full time:

- from a completed postgraduate degree, a maximum of one quarter of the credit-point value of the current UTS course
- from an incomplete postgraduate degree, a maximum of half of the credit-point value of the current UTS course.

Notwithstanding 1 or 2 above, the maximum overall amount of credit granted for a UTS: Law postgraduate coursework course shall not exceed one half of the credit-point value of that course.

As a general rule, exemptions for law subjects are not given if the subject upon which the student is basing their application for credit recognition was studied more than six years ago. The period in the 'six-year rule' is calculated from the date the subject was successfully completed to when it is due to be undertaken at UTS: Law.

The Faculty Board in Law shall always retain discretion however to waive the application of the rule in cases where there is additional evidence of work or study experience. Indeed, in subjects where there have been significant recent changes in the law, an exemption may not be granted even though the subject was successfully completed less than six years ago.

Applications for credit recognition for practical legal training subjects have a time limit of three years.

If a student is unable to obtain an exemption from a UTS: Law core subject on the basis of having completed a similar core subject at another university, because the content of the subject completed at the other university was insufficient to warrant an exemption from the corresponding UTS: Law core subject, the student cannot use the completion of that similar core subject undertaken at the other university as the basis of an exemption from an unspecified elective within a postgraduate law course at UTS.

Further information is available at:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Concurrent study at another tertiary institution

Subject to approval by UTS: Law, students may apply to undertake subjects in postgraduate law courses at other universities for credit towards an unspecified option in their course at UTS. A concurrent studies application, detailing the academic content, attendance, assessment requirements and reading guide of the subject(s) proposed to be completed, should be submitted to the Haymarket Student Centre before applying to the other institution. Students who complete subjects concurrently at another institution without prior approval risk not being able to credit these subjects to their course at UTS.

- Students cannot undertake core subjects on a concurrent basis.
- Students cannot undertake options on a concurrent study basis if UTS: Law offers the equivalent subject during the proposed semester.
- Students must complete a minimum of 50 per cent of the credit-point value of their course at UTS.

The concurrent study application form is available from:

www.sau.uts.edu.au/forms

Juris Doctor with honours

It is possible for students to gain an award with honours in the Juris Doctor and the Juris Doctor component of the combined Juris Doctor Master of Business Administration (C04250) (see page 425). An additional year of study is **not** required. See the rules for the course you are enrolled in, below.

To qualify for honours in the current Juris Doctor (C04236) (see page 405), students must complete 77740 Research Paper as a subject within the degree.

To be eligible to undertake 77740 Research Paper, students must successfully complete not less than 96 credit points within UTS: Law, including 70717 Evidence and Criminal Procedure; and attain a minimum weighted average mark of 73.00 across all subjects attempted.

The research subject forms part of the credit points required for degree completion. 77740 Research Paper has requirements that students must comply with in addition to the honours regulations for the Juris Doctor (below). Further details are available in the online subject description.

Honours regulations

The Honours regulations for the current Juris Doctor (C04236) (see page 405) are:

1. **Awards**

1.1 Award of the Juris Doctor degree shall be classified as follows:

a. degree (with honours), and
b. degree.

2. **Requirements of honours**

2.1 To qualify for an award of the degree with honours a student shall:

a. successfully complete 77740 Research Paper
b. subject to requirements below, obtain an honours mark, of no less than 75.00, calculated as a weighted average mark received in all subjects, in accordance with the formula 'sum of all' (UTS law subject credit points multiplied by mark) divisible by the 'sum of all law subject credit points'
c. not fail any subject after the first semester of study
d. a student's honours mark shall include the mark obtained by the student in 77740 Research Paper.

2.2 In exceptional circumstances the director (students) may modify or dispense with the requirements of regulation 2.1, subject to appeal to the Faculty Board in Law.

Refer to the honours entry in the UTS: Handbook 2013 for the pre-2014 honours rules and regulations for the Juris Doctor (C04236).

Juris Doctor Master of Business Administration

To qualify for honours in the Juris Doctor Master of Business Administration (C04250) (see page 425), a student must complete 77740 Research Paper as an option within the Juris Doctor component of the degree.

To be eligible to undertake 77740 Research Paper, students must successfully complete not less than 96 credit points within UTS: Law, including 70717 Evidence and Criminal Procedure; and attain a minimum weighted average mark of 73.00 across all subjects attempted.

The research subject forms part of the credit points required for degree completion. 77740 Research Paper has requirements that students must comply with in addition to the honours regulations for the Juris Doctor component of the Juris Doctor Master of Business Administration (below). Further details are available in the online subject description.

Honours regulations, JD MBA

The Honours regulations for the Juris Doctor component of Juris Doctor Master of Business Administration (C04250) (see page 425) are:

1. **Awards**

1.1 Award of the Juris Doctor component of the Juris Doctor Master of Business Administration shall be classified as follows:

a. degree (with honours), and
b. degree.

2. **Requirements of honours**

2.1 To qualify for an award of the degree with honours a student shall:

a. successfully complete 77740 Research Paper
b. subject to requirements below, obtain an honours mark, of no less than 75.00, calculated as a weighted average mark received in all subjects completed in the Juris Doctor
c. not fail any subject after the first semester of study
d. a student's honours mark shall include the mark obtained by the student in 77740 Research Paper.

2.2 In exceptional circumstances the director (students) may modify or dispense with the requirements of regulation 2.1, subject to appeal to the Faculty Board in Law.

Refer to the honours entry in the UTS: Handbook 2013 for the pre-2014 honours rules and regulations for the Juris Doctor Master of Business Administration (C04250).

International exchange program: Juris Doctor

Juris Doctor students participate in the international exchange program administered by UTS: International.

To be eligible for the program, students should have a credit average or better and have completed 68 credit points of core subjects, including 70517 Equity and Trusts before going overseas. The number of places is strictly limited.

Results achieved in overseas study are recorded as a pass or fail grade without a mark. It should be noted that the pass/fail results for exchange subjects are excluded from the calculation of a GPA and in the calculation for honours.

Information and application packs are available from UTS: International. Further information is available at:

www.ssu.uts.edu.au/globalexchange

Mandatory continuing legal education

Participation in postgraduate study may entitle lawyers to mandatory continuing legal education (MCLE) points. If this particular educational activity is relevant to students' immediate or long-term professional development needs, particularly those related to the practice of the law, they may claim one 'unit' per hour of attendance (excluding refreshment breaks).

Further information regarding MCLE points is available from the Law Society of NSW:

www.lawsociety.com.au

Postgraduate coursework

UTS: Law offers a range of postgraduate coursework degrees (see page 14) to suit both law graduates and graduates of other disciplines. UTS: Law prides itself on its unique specialisations, flexibility and vocational relevance. Graduate certificate, graduate diploma and master's programs in law and legal studies, and specialised programs in communications law, intellectual property law, international law, practical legal training and dispute resolution are available.

Courses

Coursework programs are normally structured as follows:

- master's degrees: 48 credit points
- graduate diplomas: 36 credit points
- graduate certificates: 24 credit points.

Exceptions to this include the Juris Doctor (C04236) (see page 405) (144 credit points), Juris Doctor Master of Business Administration (C04250) (see page 425) (192 credit points), Graduate Diploma in Australian Law (C07073) (see page 464) (48 credit points) and the Graduate Certificate in Australian Law (C11211) (see page 510) (30 credit points).

Subjects

UTS: Law timetables subjects over three teaching periods: Autumn semester, Spring semester and Summer session. The full range of core and optional subjects available can be found under each of the course entries.

Core law subjects

All core subjects are taught in Autumn and Spring semester and are timetabled during the day and are repeated in the evening.

Optional law subjects

A range of optional law subjects is taught in each semester. However, not all optional subjects are timetabled every semester and some optional subjects are offered on a two-yearly basis only. Timetabled optional subjects are offered subject to sufficient student interest.

Postgraduate progression

In accordance with rules 10.2.3 and 10.4.1, a graduate certificate, graduate diploma or master's candidate shall be excluded if they fail to maintain a minimum rate of progress. To maintain a minimum rate of progress, a student must not fail:

- two subjects in a graduate certificate
- three subjects in a graduate diploma
- four subjects in a master's degree, or
- five subjects in the JD or JD MBA.

Students may appeal against such exclusion under rule 10.8.

Postgraduate students are advised that they may be excluded from a course if they exceed the maximum time allowed for completion of that course (see rule 10.5).

Contacts and inquiries

Haymarket Student Centres

CM05B.5 – Building 5, block B, level 5

CM05C.1 – Building 5, block C, level 1

City campus, Haymarket

cnr Quay St and Ultimo Rd, Haymarket

telephone 1300 ask UTS (1300 275 887)

Ask UTS www.ask.uts.edu.au

Majors

UTS: Law offers five major areas of study within the Master of Laws (C04143) (see page 382). Students in this course elect to complete study within a major or alternatively subjects from across the major areas. Students must nominate a major for it to appear on their academic transcript. Students who do not nominate a major and subsequently meet the requirements for a major must submit an e-request before graduation. Majors are available in:

- corporate and commercial law
- dispute resolution
- global business law
- intellectual property
- international law.

Postgraduate research

Higher research degrees provide an opportunity for law and non-law graduates to make a major contribution to knowledge by undertaking advanced-level research through the exploration of ideas and issues in a thesis. UTS: Law offers a Doctor of Philosophy in Law (C02028) (see page 526) and a Master of Laws (Research) (C03024) (see page 540). These degrees are particularly valuable for students wishing to pursue a career in research or academia. Entry is on the basis of proven research achievement.

The Faculty of Law operates a pre-assessment process prior to the formal application process. This enables the faculty to give students advice about whether:

- they are likely to meet the academic eligibility requirements
- the faculty is able to offer supervision in the chosen research area
- they appear to have a viable research topic.

The informal assessment process provides you with an indication about whether you are likely to be recommended for admission if a formal application is submitted. Successful completion of the informal assessment does not guarantee acceptance into the program.

Information about potential supervisors and areas of supervision is available at:

www.law.uts.edu.au/research/postgraduate/supervisors.html

Student research is coordinated through the director of higher degree research and the faculty research officer and governed by the Research Management Committee (RMC) and the Higher Degree Committee (HDC). The faculty research officer can be contacted for further information about the faculty's research and higher degree research program.

Credit recognition

The granting of exemption for higher degree by research courses is at the discretion of the director of higher degree research.

Support for research students

In addition to the support provided by the UTS Library and the UTS Graduate Research School, UTS: Law provides a range of facilities for higher-degree research candidates such as research support funding, work spaces, printing, email and internet access.

Contacts and inquiries

Faculty research officer

telephone +61 2 9514 3753

fax +61 2 9514 3400

email law.research@uts.edu.au

www.law.uts.edu.au

Research interests of staff members

There is a diverse range of staff research interests within the faculty. The faculty has established research networks and interest groups which represent the key areas of research strength.

The first point of contact for inquiries should be the faculty research officer.

Information on supervision and research interests of staff is available at:

www.law.uts.edu.au/research/postgraduate/supervisors.html

Staff contact details are available at:

https://email.itd.uts.edu.au/webapps/directory/byname/

UTS: PHARMACY

Information for students

UTS: Pharmacy strives to provide industry-relevant, practice-based and future-focused education for graduate-entry students, giving them the best possible start for a career in pharmacy. UTS: Pharmacy has strong links with industry, including professional associations and industry advisory committees to ensure its curriculum is closely tied to industry expectations and developments. The degrees have been developed with the current and expanding role of the pharmacist in mind and give students a solid foundation in the pharmaceutical sciences, develop their abilities to be effective practitioners and provide them with them with a number of options to allow them to pursue their area of interest. In addition, the courses have been developed by pharmacy academics with extensive experience in pharmacy curriculum development and delivery, pharmacy practice and integrating research into practice and teaching.

UTS: Pharmacy also undertakes world-class research with many of its academic staff leading researchers in their fields. The research areas covered include pharmaceutical services, drug resistance in cancer and quality use of medicines. UTS: Pharmacy is expanding its research profile nationally and internationally by undertaking collaborative research with colleagues from other disciplines, institutions, industry and health care settings. Research will be further developed through a strong cohort of postgraduate research students, who are supported and encouraged by these leading researchers and a vibrant research culture. UTS: Pharmacy is committed to collaborative research that has a real impact on the pharmacy profession, with a focus on innovative practice-oriented research that improves the quality use of medicine and informs health policy.

Location, contacts and inquiries

UTS: Pharmacy is located at City campus, Broadway.

Further information about UTS: Pharmacy is available at:

email pharmacy@uts.edu.au

www.pharmacy.uts.edu.au

Structure

UTS: Pharmacy is governed through a Graduate School of Health Academic Board of Studies. Academic staff members hold responsible academic officer positions for teaching and learning, research and clinical placements. The school is supported by a team of professional staff.

The Academic Board of Studies is chaired by the head of school and includes representatives from other faculties, senior executive representatives, a student, a professional staff member and an industry representative.

The Graduate School of Health is managed in conjunction with the faculties of Science and Health.

UTS: Pharmacy also has an Industry Advisory Board.

Support and facilities

UTS: Pharmacy has a dedicated, purpose-built facility for student education which includes a simulated pharmacy for practice-based learning.

UTS: Pharmacy supports the Master of Pharmacy students through an Academic Mentorship Scheme, where each student is allocated an academic mentor who oversees her or his progress and assists with any ongoing difficulties affecting her or his learning. Regular meetings are held with students and academic mentors to identify any issues affecting students.

Professional bodies

UTS: Pharmacy has strong links to industry through its External Advisory Committees which include representatives from several areas of industry, including community pharmacy, hospital pharmacy, the pharmaceutical industry and professional associations.

Additionally, academic staff have links with the profession through their research and professional activities, such as hospital appointments, membership of professional associations and research collaborations.

Professional practice

Students of the Master of Pharmacy undertake three clinical placement subjects to gain experience in the professional pharmacy environment. The placement program includes experience in community pharmacy, hospital pharmacy and the pharmaceutical industry.

The clinical placement subjects are further supported by the professional services subjects which prepare students for the varying roles in the profession.

Subjects

The Master of Pharmacy is a structured, two-year, full-time degree. In the final year of the program students are given the opportunity to undertake two electives from other faculties of the University in areas such as business management, health policy and the sciences.

Postgraduate course information

Postgraduate coursework

UTS: Pharmacy currently offers the Master of Pharmacy (C04252) (see page 428), which is a graduate-entry degree for students who have completed a bachelor's degree in a relevant science discipline (e.g. medical science) who wish to become registered pharmacists.

The Master of Pharmacy has been developed by leading pharmacy teachers and researchers, with the input of a dedicated educational designer. The course is highly integrated, with the content and learning outcomes of each subject linked with the others in the course to provide students with continuity of learning and a thorough understanding of the sciences underpinning pharmacy practice and experience in applying concepts learnt in real-life situations. The course aims to incorporate educational technologies to facilitate student-based learning and reflect the postgraduate level of learning. Problem-based learning is also a major component of the course, preparing students for the workplace.

Contacts and inquiries

Initial inquiries regarding the Master of Pharmacy degree should be made to the Building 6 Student Centre:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Postgraduate research

UTS: Pharmacy provides opportunities for graduates of pharmacy and related disciplines to develop their research career by undertaking a higher degree by research, the Doctor of Philosophy (C02056) (see page 537). Research students are guided by supervisors who are leading researchers in their fields and are supported by a strong research culture. Research degrees offer students the opportunity to gain research training by undertaking original research and investigating questions related to a broad range of areas including the pharmaceutical sciences, pharmacy practice and service delivery.

Contacts and inquiries

Initial inquiries regarding research degrees should be directed to:

email pharmacy@uts.edu.au

Research profile

UTS: Pharmacy research covers a broad range of areas including cancer drug resistance, quality use of medicines, pharmacy practice and consumer behaviour. Research staff are international leaders in their area of research and their work is supported by several large grants, including those from the NHMRC and the Cancer Council.

UTS: SCIENCE

Information for students

UTS: Science publishes a specific course guide at the beginning of each academic year. The course guide is available from the Building 6 Student Centre.

UTS: Science's website provides information on its news, events and operations:

www.science.uts.edu.au

Location, contacts and inquiries

UTS: Science is located at City campus, Broadway, in Buildings 1 and 4. Main locations are:

- CB04.4.48H: Dean of Science
- CB04.4.48J: Associate Dean (Teaching and Learning)
- CB04.4.48I: Associate Dean (Research and Development)
- CB04.4.48L: General Manager, Faculty Administration
- CB04.5.23B: General Manager, Technical Services
- CB04.4.48: Academic Administration team
- CB04.4.48D: Research Development team
- CB04.4.48: Financial team
- CB04.4.50: Marketing team

All student inquiries should be directed to:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Schools and locations

UTS: Science's courses are delivered through its five schools. Staff and postgraduate research students within these schools conduct research in its research institutes and centres. The schools are as follows.

School of Chemistry and Forensic Science

Professor Tony Baker

Head of School

CB04.4.31F

telephone +61 2 9514 1764

email Anthony.Baker@uts.edu.au

www.science.uts.edu.au/chemistry

School of Physics and Advanced Materials

Associate Professor Kendal McGuffie

Head of School

CB01.12.27

telephone + 61 2 9514 2072

email Kendal.McGuffie@uts.edu.au

www.science.uts.edu.au/physics

School of Mathematical Sciences

Dr Beverley Moore

Head of School

CB01.15.13

telephone + 61 2 9514 2236

email Beverley.Moore@uts.edu.au

www.science.uts.edu.au/maths

School of the Environment

Professor William Gladstone

Head of School

CB04.5.49B

telephone + 61 2 9514 8272

email William.Gladstone@uts.edu.au

www.science.uts.edu.au/environment

School of Medical and Molecular Biosciences

Professor Ann Simpson

Head of School

CB04.6.39B

telephone + 61 2 9514 4097

email Ann.Simpson@uts.edu.au

www.science.uts.edu.au/medical

Learning resource and study centre

UTS: Science operates a learning resource and study centre for mathematics/statistics. This is a drop-in centre staffed by the School for Mathematical Sciences for all UTS students to get help with introductory subjects in these areas. Although the emphasis is on the provision of help for first-year subjects, sometimes assistance can be provided for later-year subjects as well.

Mathematics and ICT Study Centre

Dr Mary Coupland

CB01.16.15 (drop-in centre)

City campus, Broadway

telephone +61 2 9514 2241

fax +61 2 9514 2260

email Mary.Coupland@uts.edu.au

www.science.uts.edu.au/facilities/centre/maths.html

Research facilities and institutes

Science research facilities

Through its technology hubs, UTS: Science is repositioning its relationship with the community, industry and government. Expert researchers, scientists and experienced technical staff are supported by world-class instrumentation in a state-of-the-art science building.

These technology hubs form a network of niche expertise and platform technologies, providing cutting-edge capabilities, advanced training and high-level services managed in a way that is accessible to both internal researchers at UTS and also external industries, allowing informal access to researchers, links with state and federal research and development schemes and access to world-class national infrastructure.

UTS: Science invites organisations to be stakeholders in our technology hubs in conjunction with research institutes and groups. The technology hubs are:

- Microstructural Analysis Unit
- Biosciences and Proteomics Technologies Research Facility
- Microbial Imaging Facility
- Chemical Technologies Research Facility
- Environment Research Facility.

These technology hubs are where UTS: Science interacts with industry in pursuit of leading-edge techniques, methodologies and capabilities.

Further information on the technology hubs is available from:

www.science.uts.edu.au/research/coe

Microstructural Analysis Unit

The Microstructural Analysis Unit (MAU) provides access to a comprehensive array of state-of-the-art materials characterisation and microscopy instrumentation, which is supported by resident professional staff.

MAU has six scanning electron microscopes, four scanning probe microscopes and an X-ray diffractometer. All these instruments are equipped with specialised attachments, such as cathodoluminescence spectroscopy with hot and cold stages, electron backscatter diffraction, electron beam lithography as well as EDS and WDS quantitative X-ray mapping systems. A broad range of equipment for characterising the electrical and optical properties of materials is also available as well as extensive materials fabrication facilities.

All MAU instrumentation are available 24 hours a day, seven days a week, to all staff and students within UTS: Science. External user access is available on a cost recovery basis. MAU also offers accredited training programs in electron microscopy and microanalysis, scanning probe microscopy techniques and X-ray analytical methods.

Inquiries

Associate Professor Matthew Phillips

Director, Microstructural Analysis Unit

telephone +61 2 9514 1620

email Matthew.Phillips@uts.edu.au

www.science.uts.edu.au/mau

Biosciences and Proteomics Technologies Research Facility

The Biosciences Research Facility includes an extensive array of instrumentation and support services for research in medical, molecular biology including two high-end specialised core facilities for proteomics and microbial imaging.

Proteomics describes the study of the complete set of proteins (proteome) that is expressed at a given time in a cell, tissue, organ or organism. Modern proteomics requires the integration of a wide range of protein analytical tools and information technologies, to quickly and reliably identify changes in proteins, e.g. altered proteomic states associated with disease.

The Proteomics Core Facility (PCF) brings together leading technologies for sample preparation, protein separations, identification and characterisation.

PCF offers services and training in proteomics discovery technologies to Australian and international researchers from academia and industry. PCF has particular expertise in experimental design, custom method development, sample preparation, complex mixture fractionation and protein separations.

Inquiries

Mercedes Ballesteros

telephone +61 2 9514 8257

email Mercedes.Ballesteros@uts.edu.au

www.science.uts.edu.au/research/coe

Microbial Imaging Facility

The Microbial Imaging Facility (MIF) at UTS has recently been established to provide high-resolution imaging of bacteria, parasites, eukaryotic cells and parasite–host interactions. The facility also has equipment for flow cytometry and biological specimen preparation for optical and electron microscopy.

MIF is comprehensively equipped with sophisticated and state of the art optical microscopes for epifluorescence, deconvolution, confocal and live-cell imaging microscopy.

The star of the facility is the DeltaVision OMX 3D-SIM™ , a structured illumination microscope for super-resolution imaging, which enables scientists/researchers to view cells and organisms in spectacular detail at a resolution never before possible. It is the only one in Australia, and one of only two commercial units in the world.

Inquiries

Associate Professor Cynthia Whitchurch

telephone +61 2 9514 4144

email Cynthia.Whitchurch@uts.edu.au

www.science.uts.edu.au/research/coe

Chemical Technologies Research Facility

The Chemical Technologies Research Facility (CTRF) draws from several world-class laboratories, technical and research staff specialising in chemistry and materials science at UTS: Science. CTRF focuses on chemical and biochemical analysis and materials technology. It is equipped to produce and characterise a diverse range of organic and inorganic materials and is supported by a team of over 20 experienced technical staff and researchers. CTRF expertises include the physical and mechanical characterisation of engineering materials, chemical and physical characterisation of forensic and pharmaceutical samples.

CTRF provides services to industry, researchers and the community in these specialised areas.

Inquiries

Dr Ronald Shimmon

telephone +61 2 9514 8260

email Ronald.Shimmon@uts.edu.au

www.science.uts.edu.au/research/coe

Research strengths and capabilities

UTS: Science has a strong record of research and development, essential to facilitating quality postgraduate research programs. Research grants and funding are very important to the direction and support of postgraduate research. UTS: Science wins a substantial proportion of national and international competitive research grants awarded to UTS annually.

The faculty obtains grants and funding across wide areas of expertise such as in the physical, chemical, forensic, climate change and environmental, biological, biomedical and mathematical sciences.

UTS: Science prides itself on research that engages the interest of the community and industry, and produces outcomes of economic and social benefit.

Further information on the research strengths and areas is available from:

www.science.uts.edu.au/research

UTS: Science's research strengths are marked by its research institutes and centres, which form a substantial part of the University's research strengths.

The ithree Institute

The Institute for Biotechnology of Infectious Diseases has recently been re-branded as The ithree Institute (I3) to reflect its new strategic direction and its one-health research focus, where it will take an interdisciplinary approach of 'infectious ecology' — infection, immunity and innovation.

The aim of the institute is to deliver the highest quality research on the biology and control of infectious diseases in humans and animals. I3 research holds the keys to interrupting the lifecycle of pathogens.

Located in state-of-the-art laboratories in central Sydney, its facilities include pathogen culture and the DeltaVision OMX 3D-SIM™ (the only one in Australia). This structured illumination microscope for super-resolution imaging enables scientists and researchers to view cells and organisms in spectacular detail at a resolution never before possible.

It also brings together expertise in molecular biology, cell biology, genetics, bioinformatics and protein chemistry, etc. Its philosophy is to work in partnership with others to deliver world-class scientific discovery and to drive innovation.

I3 also works very closely with the Department of Medical and Molecular Biosciences at UTS: Science to focus its teaching commitments, encourage research-oriented teaching and raise its visibility to UTS students. It also promotes career development of its staff and students.

Inquiries

Professor Ian Charles

Director, The ithree Institute

telephone +61 2 9514 2672

email Ian.Charles@uts.edu.au

www.ithreeinstitute.uts.edu.au

Plant Functional Biology and Climate Change Cluster

The Plant Functional Biology and Climate Change Cluster (C3) was established to demonstrate UTS's commitment to finding real and accurate solutions to climate change problems.

C3 is a cross-disciplinary research group with the aim to improve and enhance predictions about climate change outcomes. Building on existing key UTS research strengths and resources in terrestrial and aquatic ecosystems, C3 brings together a core group of experts in plant physiologists, ecologists, biologists, remote sensing specialists, and biological and physical modellers.

Working on a regional scale, e.g. forest, coastal and estuarine ecosystems, this unique group's targeted research approach improves the confidence in scientists' predictions about climate change. Whether terrestrial or aquatic plants are at the bottom of the list, and more often than not forgotten, by integrating the biological feedback from plants into climate change models, C3 improves their research findings accuracy and usefulness for developing future resource planning strategies to reduce climate change.

C3 also aims to provide an opportunity for the University, and wider community, to connect on issues relating to climate change by fostering interfaculty discussion through forums and seminars.

C3 is currently undergoing a considerable growth in its research capacity and welcomes inquiries from students interested in taking up honours and PhD positions. Some areas of research include ocean acidification, ecosystem and food web modelling, coral bio-energetic, biological invasions and climate change synergies, and Antarctic sea-ice algal communities.

Inquiries

Professor Peter Ralph

Director, Plant Functional Biology and Climate Change Cluster

telephone +61 2 9514 4070

email Peter.Ralph@uts.edu.au

www.c3.uts.edu.au

Institute for Nanoscale Technology

The Institute for Nanoscale Technology's (INT) core research activities focus on the interaction of light with nano and microscale structures, and on materials chemistry. INT's research work revolves around, but is not limited to, the following:

- modelling and fundamental understanding of optical, chemical, electrical and structural phenomena at optical and sub-optical wavelengths
- technological development and exploitation of these phenomena to achieve useful results in the communications, architectural and biomedical industries.

The group has also successfully developed a range of efficient analytical and numerical algorithms for a number of important situations and is internationally recognised for the development and application of semi-analytic methods based on multiple techniques, bloch mode techniques and Green's function methods.

There is also substantial expertise in computational electromagnetic techniques, particularly the finite element and finite difference time domain methods. Part of the focus of this group is in the design and study of the fundamental physics of photonic crystal devices, micro-structured optical fibres, radiation dynamics of photonic crystal clusters, localisation in random structures, optical biomimetics, plasmon resonances, sensing applications, plasmonic heating and light scattering.

Another area of particular interest is the development of 'smart' and energy-efficient coatings for windows.

The aim of the group is to produce graduates with the necessary skills to sustain a vibrant industry. INT ensures that its works are closely tied in with UTS: Science's undergraduate and postgraduate curriculum.

Inquiries

Professor Michael Cortie

Director, Institute for Nanoscale Technology

telephone +61 2 9514 2208

email Michael.Cortie@uts.edu.au

www.nano.uts.edu.au

Centre for Forensic Science

The Centre for Forensic Science (CFS) was established in 2002 and became a University research centre in 2007. The aim of the centre is to provide high-calibre research, high-quality education, enhancement of professional practice and independent services for the benefit of the community. It brings together world-class academics with different expertise but with a common vision, that is the prevention and solving of crime and terrorism.

Forensic science at UTS is presented as a multidisciplinary methodology applied within a scientific, legal and political structure. One of the prime objectives of the centre is to develop new investigative techniques and also to demonstrate their significance within the legal system and to communicate their meaning to juries and society in general. The centre is the only one of its kind in Australian universities, making it unique, and serves local and national law enforcement agencies, security agencies and the community at large in the application of scientific principles, methods of administration and enforcement of the law.

It also capitalises on UTS: Science's forensic programs and runs professional short courses and seminars for law enforcement agencies, forensic organisations, practitioners, insurance companies, legal firms, various research institutes and the community.

It has research programs in the areas of fingerprints, questioned documents, trace evidence, fire investigation and analysis, illicit drugs, toxicology, DNA profiling, materials and engineering, statistics and data handling, and artificial neural networks applied to forensic classification.

The centre also offers an independent investigative and consulting service through the UTS commercial company accessUTS Pty Limited.

Inquiries

Professor Claude Roux

Director, Centre for Forensic Science

telephone +61 2 9514 1718

email Claude.Roux@uts.edu.au

www.forensics.uts.edu.au

Centre for Environmental Sustainability

The Centre for Environmental Sustainability (CEnS) aims to generate multidisciplinary, multiscale information that is urgently needed for sustainable natural resource management by providing:

- high-quality innovative research on the tolerance and resilience of our natural terrestrial and riverine systems and biota to human-induced environmental stressors and requirements for remediation and management
- insights into physical/chemical dynamics and ecosystem functions at the mechanistic level for use in modelling landscape and/or catchment processes.

The centre coordinates research programs at honours, master's and doctoral level. It works closely with the Centre for Ecotoxicology — a joint enterprise between UTS and the NSW Department of Environment, Climate Change and Water with the aim to promote education research and knowledge transfer in the field of ecotoxicology.

The University arm also offers an independent investigative and testing consulting service for industry through accessUTS Pty Limited.

Inquiries

Professor David Booth

Centre for Environmental Sustainability

telephone +61 2 9514 4053

email David.Booth@uts.edu.au

www.research.uts.edu.au/strengths/es

Materials and Technology for Energy Efficiency

The world's energy consumption is predicted to double over the next three decades despite the global push to introduce ambitious carbon reduction targets. This incompatibility has created an urgent need to develop the necessary science and technology to use and produce sustainable energy in a clean, efficient and economical way. Fundamental and applied scientific research on energy-related materials will play a pivotal role in meeting this important challenge.

The Materials and Technology for Energy Efficiency (MTEE) research strength assembles a team with highly complementary expertise and capabilities to tackle significant and exciting challenges in materials research for energy efficiency applications. The core research areas include: solid state lighting, electro-chemical energy storage, photovoltaics, plasmonics, daylighting physics and related computational modelling. The key strength of the group is that it facilitates cutting-edge research on critical issues in this emerging field that would not be possible otherwise. The immediate overarching goal of the group is to develop science and technology to enable the development of practical solar powered lighting with the ultimate aim of taking all domestic lighting off the electricity grid. Realisation of this goal will also deliver safe, affordable and efficient lighting for the first time to communities in developing countries without access to the electricity grid.

Inquiries

Associate Professor Matthew Phillips

Director, Microstructural Analysis Unit

telephone +61 2 9514 1620

email Matthew.Phillips@uts.edu.au

www.science.uts.edu.au/research/centres.html

Centre for Clean Energy Technology

The Centre for Clean Energy Technology focuses on the development of efficient devices for energy harvesting, storage, and conversion.

Taking a rational approach, the centre combines first principles calculation and modelling, novel materials architecture design and synthesis, and system integration in teaching and research practice. The centre adapts its research activities to the global low-carbon energy context and aims to achieve innovations and breakthroughs in zero-emission energies.

Inquiries

Professor Guoxiu Wang

Director

telephone +61 2 9514 1741

email Guoxiu.Wang@uts.edu.au

www.science.uts.edu.au/research/energy

Health Psychology Unit

The Health Psychology Unit (HPU) is a research and treatment unit into the biological and psychological aspects of cancer. It has close working relationships with the Oncology Department of the Royal North Shore Hospital, which subsequently leads to collaborative projects in the area of 'psycho-oncology' – research examining psychological aspects of cancer. It also conducts collaborative research and programs in, for example, psychotherapy, psychotherapeutic treatment for distressed people aged between 12 and 25, troubled young people with mental illness, outreach programs to schools on topics related to behavioural problems, study and peer pressure stresses, and cyber bullying.

Inquiries

Dr Anthony Kidman

Director

telephone +61 2 9514 4077

email Tony.Kidman@uts.edu.au

www.science.uts.edu.au/centres/psych

Cross-faculty research

Centre for Health Technologies

The Centre for Health Technologies (CHT) research team brings together complementary interdisciplinary research skills unique in Australia in the development of innovative medical devices and biotechnology processes for health technology applications.

The focus of CHT is on the study of health and disease processes and the development of new medical devices and advanced biotechnology applications for early detection, diagnosis, treatment and rehabilitation of lifestyle diseases such as cardiovascular disease, diabetes mellitus, neurological disorder and cancer.

The centre's innovative medical device technologies and biotechnology/biopharmaceutical research programs are currently at the cutting edge of biomedical engineering and biotechnology science, and have already developed several significant biomedical devices and advanced biotechnology processes.

Further information is available from:

www.research.uts.edu.au/strengths/ht

Quantitative Finance Research Centre

The Quantitative Finance Research Centre (QFRC) is a joint initiative of UTS: Business's School of Finance and Economics and UTS: Science's Department of Mathematical Sciences. QFRC is a recognised key UTS research centre.

QFRC encompasses the largest and pre-eminent concentration of research strength in quantitative finance in Australia, and is recognised as one of the leading centres for this discipline in the Asia–Pacific region. The group focuses on financial risk management and the associated quantitative methods. Areas of particular interest include simulation techniques in finance, financial optimisation, credit risk, financial econometrics and market design issues. In line with the federal government's aim for Sydney to become a major international finance centre, the QFRC performs internationally competitive research and translates breakthroughs into ideas that can be implemented in the local and global finance industry.

Further information is available from:

www.qfrc.uts.edu.au

Centre for the Study of Choice

The Centre for the Study of Choice (CenSoC) is a cross-disciplinary initiative of UTS: Business's School of Marketing and School of Finance and Economics with UTS: Science's Department of Mathematical Sciences linked with national and global affiliates. CenSoC uses theory, tools, processes and insights from econometrics, mathematics, statistics, marketing and psychology to build models to predict how consumers or firms are likely to respond to future choices. Its charter is to better understand individual and group decision-making, including the decision and choice processes of managers, organisations and consumers.

Further information is available from:

www.censoc.uts.edu.au

Links with industry

In the development of all its courses, UTS: Science is assisted by appropriate advisory committees with members drawn from the wider community. The courses are regularly reviewed to ensure currency and relevance to industrial and commercial practice.

UTS: Science has strong links with industry through its academic staff who maintain contact by undertaking appropriate research and consulting activities and through the centres of expertise. Undergraduate students have the option of spending an additional 12 months working in a relevant industry. UTS: Science provides assistance to students in finding these professional experience positions.

Subject prerequisites, corequisites, antirequisites

While every effort has been made to ensure the accuracy of the prerequisite, corequiste and antirequisite data in subject descriptions, students should check with their program directors if they intend to enrol in subjects in a different sequence to the typical course program shown in the handbook.

Bridging and short courses

Short intensive bridging courses designed for students about to enter a degree are offered in February each year. These courses teach at an introductory level only and assist in bridging the gap between school and university study. Subjects include chemistry, physics and mathematics. Other short courses are available, subject to demand.

Further information is available from:

www.science.uts.edu.au/courses/bridging.html

Undergraduate course information

UTS: Science offers a number of undergraduate degree programs developed to produce graduates for professional and vocational practice, with an ability to continue their studies by research and to contribute to the knowledge base of their scientific discipline. Most of UTS: Science's undergraduate courses are built from three building blocks of subjects comprising a 48-credit-point foundation stream, a 48-credit-point disciplinary core and a 48-credit-point extension block.

Students in the Bachelor of Science (C10242) (see page 248) select a major course of study by combining a specific disciplinary core with a matching extension block and then graduate with an award specifying that major, e.g. Bachelor of Science in (name of Science major). Most undergraduate majors also contain 24 credit points of free electives that can be used to take subjects in a different science specialty or a different discipline altogether, such as business or information technology.

Research-based, one-year honours degrees are also available to bachelor's pass degree graduates.

Professional experience is also offered as an optional and additional component of the science degree courses in which students work in industry for a year and complete two subjects focused on enhancing understanding of the workplace environment and further development of their technical and generic skills.

Contacts and inquiries

Further information regarding undergraduate courses offered by UTS: Science is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Honours degree courses

One-year, research-based honours degrees are available in all disciplines of science and mathematics at UTS. Honours programs provide basic training in research and introduce students to advanced areas of study in the relevant discipline. Graduates generally enter occupations for which an honours degree is the minimum requirement or continue with postgraduate research degrees. Honours programs are offered in applied chemistry, applied physics, biomedical science, biotechnology, environmental science, forensic biology, forensic science, marine biology, mathematics, mathematics and finance, medical science and nanotechnology.

Admission requirements

Honours courses are one-year full-time or equivalent part-time courses. They are open to students who possess or have fulfilled all the requirements for a relevant bachelor's degree from UTS, or equivalent qualification, with at least a credit average over the final third of the undergraduate program.

Commencement date

Students commencing their honours course in Autumn semester are normally required to commence work on their honours program on the first Monday in February. This applies even when formal enrolment is held after this date. Students should contact their supervisor for details.

Award

Honours degrees may be awarded in the following grades: first class, second class (division 1), second class (division 2) and third class.

Other information

Interested students should discuss the program and possible research projects available with the relevant head of department or honours course coordinator, or with individual members of academic staff.

Majors

The Bachelor of Science (C10242) (see page 248) and most named degrees offered by UTS: Science are structured into 48-credit-point foundation streams plus 96 credit points in majors. A major is defined by a specific 48-credit-point disciplinary core group of subjects plus a specific 48-credit-point extension group of subjects.

Students in the Bachelor of Science do not have to choose a major and can instead choose a range of subjects according to their interests, providing they ensure they choose the appropriate prerequisite subjects and have the required mix of second and third year subjects. However, there are benefits to students of formal majors:

- UTS: Science provides direction in the choice of subjects so the variety and complexity of programs is diminished
- there is greater clarity in defining a graduate's capabilities, compared to a situation where choice of subjects is totally free
- a testamur is awarded that identifies the student's area or areas of study.

Listed below are the majors within the Bachelor of Science.

- Applied Chemistry (MAJ01100)
- Applied Physics (MAJ01101)
- Biomedical Science (MAJ01104)
- Biotechnology (MAJ01103)
- Environmental Biology (MAJ01106)
- Environmental Forensics (MAJ01108)
- Marine Biology (MAJ01107)
- Mathematics (MAJ01110)
- Medical Science (MAJ01105)
- Nanotechnology (MAJ01102)
- Statistics (MAJ01111).

Sub-majors

Students enrolled in the Bachelor of Science (C10242) (see page 248), Bachelor of Medical Science (C10184) (see page 222), Bachelor of Biomedical Science (C10115) (see page 175) and Bachelor of Biotechnology (C10172) (see page 219) degrees may undertake a sub-major as part of their course. A sub-major comprises a coherent sequence of subjects offered by UTS: Science, UTS: International Studies or another course area of the University. The purpose of the sub-major is to give students the opportunity to broaden their studies into other areas of interest or to pursue studies in particular disciplines to greater depth.

Examples of possible sub-majors (24 credit points each) are listed below, but it should be noted that not all of them are necessarily appropriate to every course and that normal prerequisite conditions and timetabling constraints apply in all cases. Students should consult their program director for advice on selecting sub-majors.

- Environmental Sciences (SMJ01048): this sub-major is suitable for students in non-environmental courses.
- Mathematics (SMJ01007).
- Quantitative Management (SMJ01025): this sub-major was developed for students who have completed a first course in statistics at the University (e.g. from UTS: Business) or in the biological sciences.
- Quantitative Management (SMJ01026): this sub-major was developed for students in UTS: Information Technology but is also suitable for students from any faculty who have studied no tertiary mathematics or statistics in their degree programs.
- Quantitative Methods (SMJ01029): this sub-major is intended to expose students to the theory and application of quantitative methods that are widely used by information technology professionals, especially techniques drawn from the disciplines of statistics and management science.
- Scientific Computing (SMJ02054): this sub-major is intended to expose students to the theory and practice of computing as applied in the area of computational science.
- Statistics (Life Sciences) (SMJ01030): this sub-major is suitable for students in biological or environmental science courses.
- Statistics (Physical Sciences) (SMJ01031): this sub-major is suitable for students in physical and chemical programs, and assumes they have completed 33190 Mathematical Modelling for Science and 33290 Statistics and Mathematics for Science.
- Statistical Modelling (SMJ01032): this sub-major is intended to expose students to the theory and practice of statistical modelling.

Combined course information

UTS: Science is involved in the teaching of science to other areas of the University, including UTS: Engineering and UTS: Health. UTS: Science is also involved in offering the following joint undergraduate degree programs.

- The Bachelor of Science Bachelor of Laws (C10126) (see page 185) is offered in conjunction with UTS: Law. In order to qualify for separate awards in science and law, students are required to select an area of specialisation in science so that they can proceed to more advanced studies and thereby obtain recognition in relevant professional fields. Science majors available are applied chemistry, applied physics, biomedical science, biotechnology, environmental biology, environmental forensics, marine biology, mathematics, medical science and nanotechnology. Graduates from the course are qualified for professional practice as either scientists or lawyers and especially in areas where a knowledge of both disciplines is desirable.
- The Bachelor of Medical Science Bachelor of Laws (C10131) (see page 192) is similar in structure to the Bachelor of Science Bachelor of Laws (C10126) (see page 185), but with a specialisation in medical science. Graduates qualify for professional practice in either field but may expect to be in most demand in those areas of law in which a knowledge of medical science is a particular advantage or, conversely, in areas of science such as the pharmaceutical industries where a knowledge of the law has special value.
- Science degrees combined with the 96-credit-point Bachelor of Arts in International Studies enables science students to learn and experience the language and culture of another country, thereby enhancing their competitiveness in global career choices. Students are required to select a region or country of specialisation within the International Studies program. The length of these combined degrees is five years full time, which includes one year of in-country study. Graduates may work as professionals in their area of scientific expertise particularly in specialist positions where an understanding of a particular culture may be highly desirable. The Bachelor of Science Bachelor of Arts in International Studies (C10243) (see page 255) enables students to combine a science degree in any of the 12 Bachelor of Science majors with the Bachelor of Arts in International Studies; the Bachelor of Medical Science Bachelor of Arts in International Studies (C10167) (see page 216) imparts additional practical skills to students specialising in medical science, particularly the knowledge and understanding of a language and culture other than English.
- The combined degree Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies (C10164) (see page 215) provides acupuncture and Chinese herbal medicine students with greater exposure to and understanding of China's culture and a working knowledge of Chinese. The program makes it easier for traditional Chinese medicine graduates to practise outside Australia.
- The combined degrees Bachelor of Mathematics and Computing Bachelor of Arts in International Studies (C10224) (see page 235) and Bachelor of Mathematics and Finance Bachelor of Arts in International Studies (C10157) (see page 204) facilitate an international perspective on mathematics career choices in the fields of computing and finance.
- The combined degrees Bachelor of Engineering Bachelor of Biotechnology (C10078) (see page 172) and Bachelor of Engineering Bachelor of Medical Science (C10075) (see page 170) integrate the theory and application of science and engineering to produce well-rounded graduates in biotechnology or medical science. In the Bachelor of Engineering Bachelor of Science (C10073) (see page 162) the major science study may be chosen from applied chemistry, applied physics, biomedical science, biotechnology, environmental sciences, mathematics, medical science or nanotechnology. In five years of full-time study, students choose from one of the engineering majors and 78

credit points from one of the science programs. Depending on the combinations chosen, graduates are qualified to work in professional practice as well as in research and development.

- The Bachelor of Science Bachelor of Business (C10162) (see page 209) requires completion, over four years of full-time study, of a 96-credit-point major selected from the Bachelor of Business (C10026) (see page 132) plus a 96-credit-point major selected from the science programs. Graduates may work as professional scientists or as business professionals. Career areas include accounting or economics, finance, management or marketing in enterprises in which high-level scientific expertise is desirable. The program also provides business expertise for scientists who wish to be administrators in research or other scientific institutions. The Bachelor of Medical Science Bachelor of Business (C10163) (see page 214) and the Bachelor of Biotechnology Bachelor of Business (C10169) (see page 218) are similar in structure to the Bachelor of Science Bachelor of Business (C10162) (see page 209), with the science specialisation in medical science or biotechnology.

Postgraduate course information

UTS: Science offers both PhD and master's programs by research and thesis. There are also several master's, graduate diploma and graduate certificate programs by coursework. Inquiries regarding postgraduate coursework programs should be directed to the UTS Student Centre.

Prospective research students should discuss possible topics of research with either a potential supervisor or the head of the appropriate department in the first instance. Further information on research programs is available from UTS: Science's research and development coordinator.

Progression

Postgraduate students are advised that they may be excluded from a course if they exceed the maximum time allowed for completion of that course (see rule 10.5).

Contacts and inquiries

Further information regarding postgraduate coursework courses offered by UTS: Science is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information regarding postgraduate research courses offered by UTS: Science is available from:

Research and Development Coordinator

telephone +61 2 9514 2490

fax +61 2 9514 1656

email science.research@uts.edu.au

Postgraduate research

UTS: Science has a well-developed research culture and is proud of its achievements and track record in teaching and researching innovative science. The research courses focus on applied and practical research to bring about benefits to industry and the community. UTS: Science has strong links with industry and its courses are highly respected for their relevance, skills and research training, and for their professional focus.

UTS: Science wins a substantial part of the competitive grants awarded to the University. Much of UTS: Science's research focuses on the activities of its research institutes, centres and units, which include the University's strategic research strengths (see below).

This concentration of research has enabled UTS: Science to significantly improve the quality of its major equipment and instrumentations in recent years to the benefit of its students.

The research programs may be carried out on either a full-time or part-time basis and it is possible for part-time students to undertake a portion of their research at a site external to UTS, provided appropriate supervisory arrangements can be made. Details of current research in progress can be obtained from the office of the associate dean (research and development).

Contacts and inquiries

Further information is available from:

Research and Development Coordinator

telephone +61 2 9514 2490

fax +61 2 9514 1656

email science.research@uts.edu.au

Research profile

UTS: Science's strategic research strengths and centres are:

- The ithree Institute (I3)
- Plant Functional Biology and Climate Change Cluster (C3)
- Centre for Forensic Science (CFS)
- Institute for Nanoscale Technology (INT)
- Centre for Environmental Sustainability (CeNS)
- Materials and Technology for Energy Efficiency (MTEE)
- Centre for Clean Energy Technology
- Health Psychology Unit.

Other research areas include, but are not limited to:

- applied chemistry, including nanochemistry, anaytical chemistry, infrared imaging, bioinorganic chemistry
- applied physics, including image processing and analysis
- computational number theory
- ecotoxicology and chemistry toxicology
- experimental design and data analysis
- immunology
- marine biology and ecology
- mathematics and statistics
- medical and biomedical science
- microbiology
- neurotoxins
- numerical integration
- psycho-oncology
- scheduling theory
- traditional Chinese medicine.

UTS: Science works collaboratively with other UTS research strengths and centres, including:

- Centre for Health Technologies
- Centre for the Study of Choice
- Quantitative Finance Research Group.

Further information on UTS: Science's research strengths, areas and entities is available from:

www.science.uts.edu.au/research

UNDERGRADUATE COURSES

C09004v6 Bachelor of Business (Honours)

Award(s): Bachelor of Business (Honours) (BBus(Hons))
CRICOS code: 015933J
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City and Kuring-gai campuses

Overview

The Bachelor of Business (Honours) provides an opportunity for advanced study in the disciplinary areas of accounting, finance and economics, management or marketing.

The course provides the ideal foundation for students who plan to pursue a career in applied research in business and related professions, or who plan to undertake master's or doctoral research studies.

Course aims

The degree seeks to provide students with the knowledge, competencies and values necessary for a fulfilling and effective career.

Career options

Career options include accounting, economics, finance, financial services, human resource management, international business, management, marketing, marketing communication, and government advisory positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants must have completed the UTS Bachelor of Business, or an equivalent degree, with an overall credit average and an average mark of 70 (or equivalent for non-UTS students) in the discipline area in which the honours degree is to be awarded. A questionnaire, available from UTS: Business student offices, must also be completed.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The honours degree comprises one year of intensive full-time study or, in approved cases, two years of part-time study.

Course structure

The Bachelor of Business (Honours) comprises 48 credit points of study.

- Students may undertake any of the following four streams. The Accounting stream provides the knowledge and skills to critically evaluate accounting issues. The coursework component provides research skills necessary for critical evaluation of both theoretical and empirical studies in accounting. The thesis component focuses on an area such as market-based accounting research, contracting theory, auditing and management accounting.
- The Economics stream equips students with the skills and knowledge required for applied or postgraduate research in economics. The coursework component provides in-depth knowledge of advanced microeconomic and macroeconomic analysis, economic modelling and policy applications. Students undertake original theoretical or applied research in a disciplinary area of economics for the thesis component.
- The Finance stream brings students up to date with both the latest theoretical issues and the current research methods used in finance. The thesis develops skills through applied research in a relevant area, and prepares students for further research in either industry or postgraduate studies. It is recommended that students undertake this program on a full-time basis.
- The Management stream prepares students for applied or postgraduate research in many areas of management. The coursework component brings students up to date with the latest theoretical issues and research paradigms currently in use. The thesis component involves original study in one of the major areas.
- The Marketing stream prepares students for further academic research or research in a marketing management position. The coursework component provides in-depth knowledge of contrasting theories of marketing, and expertise in a range of current research methods and analytical techniques. The thesis component involves original applied research in a disciplinary area of marketing.

Course completion requirements

CBK90793	Stream choice	48cp
		Total 48cp

Course program

Course programs for accounting, economics, finance, management and marketing are shown below.

Accounting

22901	Accounting Research and Consulting Skills	6cp
22902	Financial Reporting, Capital Markets and Disclosure	6cp
22903	Contemporary Issues in Management Accounting Research	6cp
22906	Thesis in Accounting	24cp
22908	Current Issues in Corporate Governance and Assurance	6cp

Economics

23917	Advanced Macroeconomics	6cp
23907	Advanced Microeconomics	6cp
23908	Economic Modelling	6cp
23918	Economic Policy Seminar	6cp
23909	Thesis Proposal in Economics (Honours)	6cp
23910	Thesis in Economics (Honours)	18cp

Finance

25921	Theory of Financial Decision Making	6cp
25922	Financial Econometrics	6cp
25924	Advanced Corporate Finance	6cp
25923	Derivative Security Pricing	6cp
25928	Thesis Proposal in Finance (Honours)	6cp
25929	Thesis in Finance (Honours)	18cp

Management

Select one of the following:			6cp
	21907	Research Methods and Approaches in Management and Organisations	6cp
	21914	Readings and Reflecting on Management	6cp
21908	Advanced Management and Organisation Research Methods		6cp
Select one of the following:			6cp
	21909	Advanced Organisation and Management Theorising	6cp
	21915	Management and Organisation Seminars	6cp
21910	Researching Organisations and Management		6cp
21912	Thesis Proposal in Management (Honours)		6cp
21913	Thesis in Management (Honours)		18cp

Marketing

24901	Philosophy of Science and Theory		6cp
Select one of the following:			6cp
	24902	Research Methodology and Data Analysis Techniques	6cp
	24758	Readings in Marketing	6cp

Select one of the following:			6cp
24908	Research Design and Data Collection Techniques	6cp	
21751	Management Research Methods	6cp	
Select one of the following:			6cp
24331	Marketing Analytics and Decisions	6cp	
23908	Economic Modelling	6cp	
24770	Thesis in Marketing (Honours) 1		6cp
24771	Thesis in Marketing (Honours) 2		18cp

Other information

Further information is available from UTS: Business at:

www.business.uts.edu.au

C09005v6 Bachelor of Management (Honours) in Events and Leisure

Award(s): Bachelor of Management (Honours) in Events and Leisure (BM(Hons))
CRICOS code: 043288A
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: Kuring-gai campus

Overview

The honours program is designed to provide students with the resources to further develop and apply their research skills and to pursue special areas of interest in depth.

Course aims

The honours program aims to develop, at an advanced undergraduate level, knowledge of sport and leisure management through research; facilitate the completion of a substantive research thesis which focuses on theory, applied/professional issues or some combination of these; provide a direct pathway to graduate-level study; and make contributions to knowledge in the field of sport and leisure management.

Career options

Career options include activities and cultural events coordinator at a university or college; manager or administrator in leisure, tourism, sports, entertainment or the arts; marketing of sport and leisure; outdoor recreation promotion; and recreation planner/manager in local government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants typically should have successfully completed the Bachelor of Management in Events and Leisure (C10039) (see page 136), with a credit average or better in the final two full-time semesters.

Graduates from other institutions who have completed a comparable course and who meet the academic criteria are also considered for admission.

In exceptional cases, consideration is given to applicants who have completed the Bachelor of Management in Events and Leisure (C10039) (see page 136), the Bachelor of Sport and Exercise Management (C10301) (see page 297), the Bachelor of Management in Tourism (C10040) (see page 137) or the Bachelor of Sport and Exercise Science (C10300) (see page 295) at pass level. In such cases, outstanding professional achievements are taken into account.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is normally completed in one year of full-time or two years of part-time study. It is offered only at Kuring-gai campus.

Course structure

All students must complete three coursework subjects, each worth 6 credit points, and a major thesis of 30 credit points, totalling 48 credit points. The precise nature of each student's program is determined in consultation with the honours course coordinator, with the aim being to choose those subjects that facilitate completion of the honours research thesis.

In choosing electives, students may:

- substitute subject Readings for Thesis with an elective subject with the approval of the course coordinator
- complete both elective subjects in the first semester
- choose other senior undergraduate-level subjects with the approval of the course coordinator; these subjects may be taken from other schools within UTS: Business or elsewhere in the University.

Course completion requirements

27941	Advanced Research Methods for Leisure, Sport and Tourism	6cp
27154	Readings for Thesis	6cp
276901	Honours Thesis 1	15cp
276902	Honours Thesis 2	15cp
CBK90108	Leisure, Sport and Tourism subjects (PG)	6cp
		Total 48cp

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

www.business.uts.edu.au

C09007v4 Bachelor of Management (Honours) in Tourism

Award(s): Bachelor of Management (Honours) in Tourism (BM(Hons))
CRICOS code: 042814C
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: Kuring-gai campus

Overview

The honours program is designed to provide students with the resources to further develop and apply their research skills and to pursue special areas of interest in depth.

Course aims

The honours program aims to develop, at an advanced undergraduate level, knowledge of tourism management through research; facilitate the completion of a substantive research thesis which focuses on theory, applied/professional issues or some combination of these; provide a direct pathway to graduate-level study; and make contributions to knowledge in the field of tourism management.

Career options

Career options include management, marketing and policy analysis roles in industries such as hotels, airlines, tour operations, regional planning and development, special events and tourist attractions, both in Australia and overseas.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants typically should have successfully completed the Bachelor of Management in Tourism (C10040) (see page 137), with a credit average or better in the final two full-time semesters.

Graduates from other institutions who have completed a comparable course and who meet the academic criteria are also considered for admission. In exceptional cases, consideration is given to applicants who have completed the Bachelor of Management in Events and Leisure (C10039) (see page 136), the Bachelor of Sport and Exercise Management (C10301) (see page 297), the Bachelor of Management in Tourism (C10040) (see page 137) or the Bachelor of Sport and Exercise

Science (C10300) (see page 295) at pass level. In such cases, outstanding professional achievements are taken into account.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The honours component is normally completed in one year of full-time or two years of part-time study. It is offered only at Kuring-gai campus.

Course structure

All students must complete three coursework subjects, each worth 6 credit points, and a major thesis of 30 credit points, totalling 48 credit points. The precise nature of each student's program is determined in consultation with the honours course coordinator, with the aim of choosing those subjects that facilitate completion of the honours research thesis.

In choosing electives, students may:

- substitute subject Readings for Thesis with an elective subject, with the approval of the course coordinator
- complete both elective subjects in the first semester
- choose other senior undergraduate-level subjects with the approval of the course coordinator; these subjects may be taken from other schools within UTS: Business or elsewhere in the University.

Course completion requirements

27941	Advanced Research Methods for Leisure, Sport and Tourism	6cp
27154	Readings for Thesis	6cp
276901	Honours Thesis 1	15cp
276902	Honours Thesis 2	15cp
CBK90108	Leisure, Sport and Tourism subjects (PG)	6cp
		Total 48cp

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

www.business.uts.edu.au

C09009v4 Bachelor of Arts (Honours) in Communication

Award(s): Bachelor of Arts (Honours) in Communication (BA(Hons))
CRICOS code: 017874K
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course offers graduates the opportunity to pursue advanced work in the arts and social sciences, and prepares them for postgraduate research. Emphasis is placed on interdisciplinary approaches and the integration of scholarship with contemporary media.

Students undertake a program of advanced coursework and produce a thesis relevant to their academic, professional and/or creative agenda.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants are admitted to the honours program only if appropriately qualified UTS: Communication academic staff are available for supervision for the thesis component.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

Students complete two 12-credit-point subjects (24 credit points) and a thesis (24 credit points). The thesis is based on their original work informed by theoretical study and independent research. The thesis may be presented in a variety of traditional and/or non-traditional formats.

Course completion requirements

55069	Honours Workshop		12cp
Select one of the following:			12cp
55067	Communication and Information Honours Seminar	12cp	
55068	Cultural Studies Honours Seminar	12cp	
55073	Social Sciences Honours Seminar	12cp	
55066	Writing Studies Honours Seminar	12cp	
Select one of the following:			24cp
55004	Honours Thesis (FT)	24cp	
55006	Honours Thesis (Production) (FT)	24cp	
			Total 48cp

Course program

The example program below is for a student commencing in Autumn semester.

Year 1

Autumn semester

55069	Honours Workshop		12cp
Select 12 credit points from the following options:			12cp
55066	Writing Studies Honours Seminar	12cp	
55067	Communication and Information Honours Seminar	12cp	
55068	Cultural Studies Honours Seminar	12cp	
55073	Social Sciences Honours Seminar	12cp	

Spring semester

Select 24 credit points from the following options:			24cp
55004	Honours Thesis (FT)	24cp	
55006	Honours Thesis (Production) (FT)	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09018v5 Bachelor of Nursing (Honours)

Award(s): Bachelor of Nursing (Honours) (BN(Hons))
CRICOS code: 015936F
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course provides the opportunity for eligible graduates of the Bachelor of Nursing to extend their skills and understanding of the research process. It emphasises the reciprocal relationship between nursing research and the contexts of nursing practice.

This course provides Bachelor of Nursing graduates with the opportunity to develop training in clinically focused research. The course deepens students' understanding of the importance of research in nursing.

Course aims

The purpose of the course is to enable graduate nurses to conduct research relevant to nursing in any of its dimensions. It aims to develop students' skills in using research designs and methodologies, and to reinforce their understanding of the crucial role of research in the evolution of the discipline of nursing. Students also develop academic writing skills to produce a dissertation.

Career options

Career options that graduates may undertake include registered nurse in a clinical specialty supported by their research project work, such as critical care, or roles such as nurse educator or manager. However, graduates are also well-prepared to undertake postgraduate research degrees or begin a career as a researcher.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

All applicants must be eligible to graduate from a Bachelor of Nursing program from UTS or another tertiary institution at the time of application (followed by successful completion). Applicants must be registered as a nurse in their country of citizenship or residence at the time of enrolment (exemptions to this rule may be sought from the Bachelor (Honours) Selection Committee in exceptional circumstances).

All applicants must have completed at least one research subject (as approved by the Bachelor (Honours) Selection Committee) with a credit grade and have a weighted average mark or grade point average of credit or higher for their bachelor's degree. Applicants are admitted to the honours course only if appropriately qualified academic members of UTS: Health staff are available for supervision of the dissertation component.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course may be completed in one year of full-time or two years of part-time study.

Course structure

The course comprises a total of 48 credit points. Students complete two 6-credit-point subjects and a 36-credit-point thesis.

Course completion requirements

92972	Health Care Research Methodology	6cp
Select one of the following:		6cp
92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp
92291	Nursing Honours Dissertation 1	18cp
92292	Nursing Honours Dissertation 2	18cp
		Total 48cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email Health.Research.Students@uts.edu.au

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C09019v4 Bachelor of Science (Honours) in Information Technology

Award(s): Bachelor of Science (Honours) in Information Technology (BSc(Hons))
CRICOS code: 046619G
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course provides the opportunity for students to develop research skills, and provides greater breadth and depth in a specific area of information technology.

The honours program in IT prepares students to be active players in the knowledge economy. The course provides the research skills needed to create knowledge, a much harder and more rewarding task than simply using the knowledge created by other people. Students experience the satisfaction of creating links between the world of cutting-edge knowledge and the IT industry.

Course aims

The honours program aims to provide students:

- with a sound research methodology
- for the in-depth study of particular topics in information technology
- with the experience of undertaking a research-oriented project
- with a basis for postgraduate research or a career in industrial research and development.

Career options

This course prepares graduates for a leading role in industry-relevant research.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Students within the Faculty of Engineering and Information Technology at UTS who are eligible to graduate from any undergraduate degree in information technology may apply for the Bachelor of Science (Honours) in Information Technology. The admission requirement is a weighted average mark of 65 per cent or higher, normally with no recorded failures in the core subjects after the first year (full time) or stages 1 and 2 (part time) of the undergraduate degree.

Students from another faculty in the University, or from another university, with qualifications equivalent to the Bachelor of Science in Information Technology (C10148) (see page 197) are considered for entry, subject to approval by the honours program leader, on the basis of their potential to complete the honours degree.

Students can enrol without having organised a supervisor, but must find one by the end of week 2 of their first semester. Students are

strongly advised to find a potential supervisor during their final undergraduate semester (or sometime before the application deadline for external students).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Most students come from an undergraduate program in IT at UTS, so they are familiar with the three basic topic areas in IT: software engineering, data communications and project management.

Course duration and attendance

The honours program is offered over one year of full-time or two years of part-time study.

Course structure

The honours degree consists of research and advanced coursework.

The research component is spread over the entire course. In the first semester (full time), students undertake a research methods subject and review the research literature in their chosen area; in the second semester (full time), students undertake a formal research project in their chosen area.

Part-time students should undertake the project subjects in the second year of the program.

Any UTS: Information Technology master's-level subject may be taken by an IT honours student, subject to prerequisites and availability. If it aligns with their research, IT honours students may take advanced-level undergraduate electives or electives from other faculties, with the permission of the course coordinator.

Course completion requirements

32931	Technology Research Methods	6cp
31482	Honours Project	12cp
CBK90304	Electives	24cp
32144	Technology Research Preparation	6cp
		Total 48cp

Course program

The example program below is for a student commencing in Autumn semester and undertaking the course full time.

Note: Subjects listed as electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Full time

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
32931	Technology Research Methods	6cp
Select 12 credit points of electives		12cp

Spring semester

31482	Honours Project	12cp
Select 12 credit points of electives		12cp

Part time

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
Select 6 credit points of electives		6cp

Spring semester

32931	Technology Research Methods	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

Select 12 credit points of electives		12cp

Spring semester

31482	Honours Project	12cp

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09020v6 Bachelor of Science (Honours) in Mathematics

Award(s): Bachelor of Science (Honours) in Mathematics (BSc(Hons))
CRICOS code: 017876G
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours course offers basic training in research and introduces students to advanced studies in the mathematical sciences.

Students who complete the honours degree are well prepared to enter the workforce at a high level or to undertake graduate studies.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Students who are eligible to graduate from the Bachelor of Science (Mathematics major) with an average mark of 65 per cent or more in Year 2 (full time) in their core subjects and chosen major are eligible for entry to the honours degree.

Students who have obtained qualifications equivalent to the Bachelor of Science in Mathematics (C09020) (see page 115) degree are, upon application, considered for entry by the head of the School of Mathematical Sciences on the basis of assessed potential to complete the honours degree.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

Course structure

The honours program requires the completion of subjects totalling 48 credit points.

Course completion requirements

35493	Thesis (Mathematics) Honours Part A	12cp
35494	Thesis (Mathematics) Honours Part B	12cp
CBK90820	Electives	24cp
		Total 48cp

Course program

The course commences in either Autumn or Spring semester. The program shown assumes full-time attendance. Not all subjects may be available.

Year 1

Autumn semester

35493	Thesis (Mathematics) Honours Part A		12cp
Select 12 credit points from the following options:			12cp
35457	Multivariate Statistics	6cp	
35472	Honours Seminar 1	6cp	
35473	Honours Seminar 2	6cp	
35466	Advanced Stochastic Processes	6cp	

Spring semester

35494	Thesis (Mathematics) Honours Part B		12cp
Select 12 credit points from the following options:			12cp
35322	Advanced Analysis	6cp	
35474	Honours Seminar 3	6cp	
35475	Honours Seminar 4	6cp	

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09021v6 Bachelor of Mathematics and Finance (Honours)

Award(s): Bachelor of Mathematics and Finance (Honours) (BMathFin(Hons))
CRICOS code: 017875J
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours course offers basic training in research and introduces advanced areas of study in mathematics and finance.

Honours degree graduates are particularly sought after and their skills enable them to compete for high entry-level jobs in the banking sector.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Students who are eligible to graduate from the Bachelor of Mathematics and Finance (C10155) (see page 202) with an average mark of 65 per cent or more over all subjects in Years 2 and 3 (full time) are eligible for entry to the honours degree, subject to the approval of the head of the School of Mathematical Sciences and the head of the School of Finance and Economics.

Students who have obtained qualifications equivalent to the Bachelor of Mathematics and Finance degree are considered for entry, upon application, by the heads of the participating department and school on the basis of their assessed potential to complete the honours degree.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The honours course requires completion of subjects comprising 48 credit points, consisting of advanced coursework subjects in mathematics, statistics and finance, together with a substantial project. The project involves a major investigation of some area of finance and provides students with the opportunity to apply the skills developed in their coursework.

Course completion requirements

25921	Theory of Financial Decision Making		6cp
35457	Multivariate Statistics		6cp
35466	Advanced Stochastic Processes		6cp
35476	Thesis: Mathematics and Finance (Hons) A		6cp
35477	Thesis: Mathematics and Finance (Hons) B		6cp
35322	Advanced Analysis		6cp
Select 12 credit points from the following options:			12cp
25728	Bond Portfolio Management	6cp	
25729	Applied Portfolio Management	6cp	
25923	Derivative Security Pricing	6cp	
			Total 48cp

Course program

The course commences in Autumn semester. An example program is shown below.

Year 1

Autumn semester

25921	Theory of Financial Decision Making	6cp
35476	Thesis: Mathematics and Finance (Hons) A	6cp
35457	Multivariate Statistics	6cp
35466	Advanced Stochastic Processes	6cp

Spring semester

35477	Thesis: Mathematics and Finance (Hons) B	6cp
35322	Advanced Analysis	6cp
Select 12 credit points from the following options:		12cp
25728	Bond Portfolio Management	6cp
25729	Applied Portfolio Management	6cp
25923	Derivative Security Pricing	6cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09022v3 Bachelor of Biotechnology (Honours)

Award(s): Bachelor of Biotechnology (Honours) (BBiotech(Hons))
CRICOS code: 043283F
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours degree offers basic training in research and introduces advanced areas of study in biotechnology.

This course provides students with a unique opportunity to undertake original research and gain in-depth knowledge in a particular field of biotechnology. Honours students have access to staff that are leading researchers and experts in their field. Undertaking an honours course allows students to explore their research potential and develop research skills. Honours also provides a pathway for students interested in pursuing postgraduate studies at masters and PhD level, and enhances graduate's career and study options.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The major component of the course is a research project that extends over the full duration of the course and normally takes the form of an experimental or analytical investigation, undertaken in the laboratory or the field.

Candidates may also be required to undertake one or more critical reviews of the scientific literature in designated areas and to attend formal classes devoted to advanced coursework.

The results of the project are presented in an oral seminar and in a written thesis, both of which are formally assessed.

Course completion requirements

91103	Honours FT (Medical and Molecular Bioscience) 1	24cp
91104	Honours FT (Medical and Molecular Bioscience) 2	24cp
		Total 48cp

Course program

The course commences in Autumn semester. The course program is shown below.

Year 1

Autumn semester

91103	Honours FT (Medical and Molecular Bioscience) 1	24cp

Spring semester

91104	Honours FT (Medical and Molecular Bioscience) 2	24cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09023v3 Bachelor of Science (Honours) in Biomedical Science

Award(s): Bachelor of Science (Honours) in Biomedical Science (BSc(Hons))
CRICOS code: 043284E
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours course offers basic training in research and introduces advanced areas of study in biomedical science.

This course provides students with a unique opportunity to undertake original research and gain in-depth knowledge in a particular field of biomedical science. Honours students have access to staff that are leading researchers and experts in their field. Undertaking an honours course allows students to explore their research potential and develop research skills. Honours also provides a pathway for students interested in pursuing postgraduate studies at masters and PhD level, and enhances graduate's career and study options.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The major component of the course is a research project that extends over the full duration of the course and normally takes the form of an experimental or analytical investigation, undertaken either in the laboratory or the field. Candidates may also be required to undertake one or more critical reviews of the scientific literature in designated areas and to attend formal classes devoted to advanced coursework. The results of the project are presented in an oral seminar and in a written thesis, both of which are formally assessed.

Course completion requirements

91103	Honours FT (Medical and Molecular Bioscience) 1	24cp
91104	Honours FT (Medical and Molecular Bioscience) 2	24cp
		Total 48cp

Course program

The course commences in Autumn semester. The course program is shown below.

Year 1

Autumn semester

91103	Honours FT (Medical and Molecular Bioscience) 1	24cp

Spring semester

91104	Honours FT (Medical and Molecular Bioscience) 2	24cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09026v3 Bachelor of Science (Honours) in Applied Chemistry

Award(s): Bachelor of Science (Honours) in Applied Chemistry (BSc(Hons))
CRICOS code: 040707M
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours degree offers basic training in research and introduces advanced areas of study in applied chemistry.

This degree in applied chemistry provides students with an opportunity to get involved in a research program in an area that interests them, as well as providing training in research techniques and experience with modern research instrumentation. The honours program adds a new dimension to the skills students have acquired during their undergraduate years and enhances their immediate employment prospects and future career potential. An honours degree can lead into a postgraduate research degree.

Career options

Career options include developer, production manager, researcher, safety officer and sales manager in drug, food, industrial chemical and process industries, metal and alloy, paint and plastic.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The major component of the course is a research project that extends over the full duration of the course and normally takes the form of an experimental or analytical investigation, undertaken in the laboratory or the field. Candidates may also be required to undertake one or more critical reviews of the scientific literature in designated areas and to attend formal classes devoted to advanced coursework. The results of the project are presented in an oral seminar and in a written thesis, both of which are formally assessed.

Course completion requirements

65861	Honours (Chemistry) 1	24cp
65862	Honours (Chemistry) 2	24cp
		Total 48cp

Course program

The course commences in Autumn semester. An example program is shown below.

Year 1

Autumn semester

65861	Honours (Chemistry) 1	24cp

Spring semester

65862	Honours (Chemistry) 2	24cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09029v3 Bachelor of Science (Honours) in Environmental Science

Award(s): Bachelor of Science (Honours) in Environmental Science (BSc(Hons))
CRICOS code: 022683G
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours course offers training in research and introduces advanced areas of study in a range of fields in environmental science including marine biology, environmental forensics and environmental biology.

Career options

There is a broad range of career options including professional environmental scientist or consultant, environmental and resource management, communications and media, National Parks ranger, and academic scientist.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

This program is offered on a one-year, full-time basis.

Course structure

The major component of the course is a research project that extends over the full duration of the course and normally takes the form of an experimental or analytical investigation, undertaken either in the laboratory or the field. Candidates may also be required to undertake one or more critical reviews of the scientific literature in designated areas and to attend formal classes devoted to advanced coursework. The results of the project are presented in an oral seminar and in a written thesis, both of which are formally assessed.

Course completion requirements

91105	Honours FT (Environmental Science) 1	24cp
91106	Honours FT (Environmental Science) 2	24cp
		Total 48cp

Course program

The course commences in Autumn semester. An example program is shown below.

Year 1

Autumn semester

91105	Honours FT (Environmental Science) 1	24cp

Spring semester

91106	Honours FT (Environmental Science) 2	24cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09031v3 Bachelor of Medical Science (Honours)

Award(s): Bachelor of Medical Science (Honours) (BMedSc(Hons))
CRICOS code: 040706A
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours course offers basic training in research and introduces advanced areas of study in medical science.

This course provides students with a unique opportunity to undertake original research and gain in-depth knowledge in a particular field of medical science. Honours students have access to staff that are leading researchers and experts in their field. Undertaking an honours course allows students to explore their research potential and develop research skills. Honours also provides a pathway for students interested in pursuing postgraduate studies at masters and PhD level, and enhances graduate's career and study options.

Career options

Career options include medical researcher, scientist or health-related professional in organisations such as hospitals, medical research institutes, pathology laboratories and universities, and in industries dealing with biochemicals, biotechnology and pharmaceuticals.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The major component of the course is a research project that extends over the full duration of the course and normally takes the form of an experimental or analytical investigation, undertaken either in the laboratory or the field. Candidates may also be required to undertake one or more critical reviews of the scientific literature in designated areas and to attend formal classes devoted to advanced coursework. The results of the project are presented in an oral seminar and in a written thesis, both of which are formally assessed.

Course completion requirements

91103	Honours FT (Medical and Molecular Bioscience) 1	24cp
91104	Honours FT (Medical and Molecular Bioscience) 2	24cp
		Total 48cp

Course program

The course commences in Autumn semester. An example program is shown below.

Year 1

Autumn semester

91103	Honours FT (Medical and Molecular Bioscience) 1	24cp

Spring semester

91104	Honours FT (Medical and Molecular Bioscience) 2	24cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09035v4 Bachelor of Science (Honours) in Applied Physics

Award(s): Bachelor of Science (Honours) in Applied Physics (BSc(Hons))
CRICOS code: 040708K
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours degree is a one-year, full-time program undertaken following the completion of the pass degree. The main component of the course is a research project conducted within one of the UTS research groups, or jointly with an external organisation.

The course prepares students in aspects of planning and executing a research program to address a specific scientific or technological problem. In addition, two coursework subjects provide detailed knowledge in several areas of contemporary significance in physics and nanotechnology.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The honours program consists of two 18-credit-point research subjects and two 6-credit-point advanced coursework subjects. The two research subjects, one taken in each semester, combine to form a single research project that consists of a literature review, development and enunciation of a research plan, and hands-on research work. The two coursework subjects are separate subjects.

Course completion requirements

68001	Advanced Physics	6cp
68002	Advanced Nanomaterials	6cp
68005	Physics Honours Research 1	18cp
68006	Physics Honours Research 2	18cp
		Total 48cp

Course program

The course commences in Autumn semester. The course program is shown below.

Year 1

Autumn semester

68001	Advanced Physics	6cp
68005	Physics Honours Research 1	18cp

Spring semester

68002	Advanced Nanomaterials	6cp
68006	Physics Honours Research 2	18cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09046v2 Bachelor of Science (Honours) in Nanotechnology

Award(s): Bachelor of Science (Honours) in Nanotechnology (BSc(Hons))
CRICOS code: 059184M
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The honours degree is a one-year, full-time program undertaken following the completion of the pass degree. The main component of the course is a research project conducted within one of the UTS research groups, or jointly with an external organisation.

This course prepares students in aspects of planning and executing a research program to address a specific scientific or technological problem. In addition, two coursework subjects provide detailed knowledge in specific components of nanoscience and nanotechnology.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of an undergraduate program in nanotechnology or other appropriate science degrees.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The honours program consists of two 18-credit-point research subjects and two 6-credit-point advanced coursework subjects. The two research subjects, one taken in each semester, combine to form a single research project that consists of a literature review, development and enunciation of a research plan, and hands-on research work. The two coursework subjects are separate subjects.

Course completion requirements

68001	Advanced Physics	6cp
68002	Advanced Nanomaterials	6cp
68003	Nanotechnology Honours Research 1	18cp
68004	Nanotechnology Honours Research 2	18cp
		Total 48cp

Course program

The course commences in Autumn semester. The course program is shown below.

Year 1

Autumn semester

68001	Advanced Physics	6cp
68003	Nanotechnology Honours Research 1	18cp

Spring semester

68002	Advanced Nanomaterials	6cp
68004	Nanotechnology Honours Research 2	18cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09048v2 Bachelor of Design (Honours) in Architecture

Award(s): Bachelor of Design (Honours) in Architecture (BDesign(Hons))
CRICOS code: 044180E
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Bachelor of Design (Honours) in Architecture offers graduates of the Bachelor of Design in Architecture (C10004) (see page 129) the opportunity to pursue advanced work in subject areas related to architecture and prepares them for postgraduate research.

This course allows students to work at a higher level of academic study. It also allows study in a relevant area of student interest.

Career options

Career options include architect (after completion of the Master of Architecture), urban designer, landscape architect, administrator, policy maker, researcher, educator, or journalist.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

An appropriate first degree can include the UTS Bachelor of Design in Architecture (C10004) (see page 129). The following requirements also apply:

- applicants must have a credit average or better at level 2 of the Bachelor of Design in Architecture (or equivalent from another university)
- the feasibility of the proposed project must be demonstrated by a two-three page description of the thesis proposed including an account of the methods to be employed in completing the project
- applicants must be able to demonstrate an understanding of what is involved in undertaking the research for the project in the proposed area of study
- the availability of staff for supervision as indicated in a signed statement by a potential supervisor.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered full time only, over two semesters. The maximum time taken to complete the course is three semesters.

Course structure

Students complete 48 credit points, comprising one 12-credit-point coursework subject, one 12-credit-point preparatory honours thesis subject and one 24-credit-point honours thesis.

Students must complete a coursework subject, conducted in the first half of first semester, devoted to research methods, information retrieval skills and the initial development of their thesis proposal. Students then spend the remainder of the first semester and the whole of second semester producing, under the direction of a specific supervisor, a thesis relevant to their academic, professional and/or creative agenda. The thesis is based on their original work informed by theoretical study and independent research.

The final level of honours achieved is determined by a weighted calculation of the three components of the honours course:

- pass in subject Research Methods (required for obtaining any level of honours)
- honours thesis preparatory mark (35 per cent)
- honours thesis mark (65 per cent).

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

The level of honours degree awarded is dependent on the student's final percentage mark for the course:

- honours first class (85-100 per cent)
- honours second class (division 1) (75-84 per cent)
- honours second class (division 2) (65-74 per cent)
- honours third class (50-64 per cent)
- fail (less than 50 per cent).

Course completion requirements

11391	Research Methods, Information Retrieval and Project Proposal	12cp
11392	Honours Thesis: Preparatory	12cp
11393	Honours Thesis	24cp
		Total 48cp

Course program

The example program below is for a full-time student completing the Bachelor of Design in Architecture commencing in Autumn semester, followed by the Bachelor of Design (Honours) in Architecture.

Year 1

Autumn semester

11391	Research Methods, Information Retrieval and Project Proposal	12cp
11392	Honours Thesis: Preparatory	12cp

Spring semester

11393	Honours Thesis	24cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09050v1 Bachelor of Forensic Science (Honours) in Applied Chemistry

Award(s): Bachelor of Forensic Science (Honours) in Applied Chemistry (BForSc(Hons))
CRICOS code: 061247E
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

In this honours course, students gain direct training in the skills required for undertaking research in forensic science as well as further developing their investigative and communication skills in the forensic science context.

The course offers the opportunity for students to undertake a research project within one of the research groups at UTS or collaboratively with an external organisation.

Course aims

This course aims to produce professional forensic scientists and chemists with highly adaptable and practical scientific skills and to develop critical thinking, communication and research skills.

Career options

Career options include positions in the police service or other government forensic services, in drug detection, environmental chemistry, private investigation, and state and federal law enforcement agencies.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The honours program is open to students who have attained at least a credit average over the final third of the undergraduate program in the Bachelor of Forensic Science in Applied Chemistry (C10244) (see page 261) or other appropriate science degrees.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The course comprises 48 credit points of study, consisting of two academic stages. The major component of the course (75 per cent) is a research project that extends over the full duration of the course and normally takes the form of an experimental investigation. The project is undertaken within one of the research groups at UTS in an area of forensic science. Projects may also be undertaken in collaboration with an external partner. Projects are chosen by the student, although first preferences cannot always be accommodated. As part of the project, students undertake a critical review of the existing literature in their research area and develop a research plan for the year. The results of the project are presented in an oral seminar and in a written thesis, both of which are formally assessed. The remaining 25 per cent is coursework.

Course completion requirements

65743	Complex Forensic Cases (Chemistry)	6cp
65863	Expert Evidence Presentation	6cp
65864	Honours (Forensic Science) 1	18cp
65865	Honours (Forensic Science) 2	18cp
		Total 48cp

Course program

The course commences in Autumn semester. An example program is shown below.

Year 1

Autumn semester

65743	Complex Forensic Cases (Chemistry)	6cp
65864	Honours (Forensic Science) 1	18cp

Spring semester

65863	Expert Evidence Presentation	6cp
65865	Honours (Forensic Science) 2	18cp

Professional recognition

Graduates from this course are eligible to become members of the Royal Australian Chemical Institute and the Australian and New Zealand Forensic Science Society.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C09051v1 Bachelor of Midwifery (Honours)

Award(s): Bachelor of Midwifery (Honours) (BMid(Hons))
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course provides the opportunity for eligible graduates of the Bachelor of Midwifery (C10225) (see page 236) to extend their skills and understanding of the research process. It emphasises the reciprocal relationship between nursing research and the contexts of midwifery practice.

This course provides Bachelor of Midwifery graduates with the opportunity to develop training in clinically focused research. The course deepens students' understanding of the importance of research in midwifery.

Course aims

The purpose of the course is to enable graduate midwives to conduct research relevant to midwifery in any of its dimensions. It aims to develop students' skills in using research designs and methodologies, and to reinforce their understanding of the crucial role of research in the evolution of the discipline of midwifery. Students also develop academic writing skills to produce a dissertation.

Career options

Career options that graduates may undertake include registered midwife in a clinical specialty supported by their research project work, such as antenatal care, or prepare for roles such as midwife educator or manager. However, graduates are also well-prepared to undertake postgraduate research degrees or begin a career as a researcher.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

All applicants must be eligible to graduate from the UTS Bachelor of Midwifery or another tertiary institution at the time of application (followed by successful completion). Applicants must be registered as a midwife in their country of citizenship or residence at the time of enrolment (in exceptional circumstances, exemptions to this rule may be sought from the Bachelor (Honours) Selection Committee).

All applicants must have completed at least one research subject (as approved by the Bachelor (Honours) Selection Committee) with a credit grade and have a weighted average mark or grade point average of credit or higher for their bachelor's degree. Applicants are admitted to the honours course only if appropriately qualified academic members of UTS: Health are available for supervision of the dissertation component.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course may be completed in one year of full-time or two years of part-time study.

Course structure

The course comprises a total of 48 credit points. Students complete two 6-credit-point subjects and a 36-credit-point thesis.

Course completion requirements

92972	Health Care Research Methodology		6cp
Select one of the following:			6cp
92973	Developing Health Care Theory	6cp	
92974	Investigating Health Care Change	6cp	
92265	Midwifery Honours Dissertation 1		18cp
92266	Midwifery Honours Dissertation 2		18cp
			Total 48cp

Other information

Further information is available from:
Research administration officer
telephone +61 2 9514 4834
email Health.Research.Students@uts.edu.au
UTS Student Centre
telephone 1300 ask UTS (1300 275 887)
or +61 2 9514 1222
Ask UTS www.ask.uts.edu.au
www.health.uts.edu.au

C09052v1 Bachelor of Design (Honours) in Photography and Situated Media

Award(s): Bachelor of Design (Honours) in Photography and Situated Media (BDesign(Hons))
CRICOS code: 068111J
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course has its first intake of students in 2013.

Overview

The Bachelor of Design in Photography and Situated Media (C10265) (see page 286) explores both traditional photographic practice and more contemporary uses for urban media, such as exhibitions and installations. The degree has a strong emphasis on the relationship between digital photography and its purpose in an environmental situation, focusing on city and urban issues of media placement.

This course not only recognises the technological change brought about by digital advances in photography, but responds to actual and potential directions in which technological change impacts upon photography, the production of imagery and their applications in the real and virtual worlds.

Accordingly, the course balances practical skills with theoretical underpinnings, ethics and creative speculation. All studio subjects are project based and rely on professional practice in their requirements, giving students the capacity to handle the expectations of professional life.

The honours year allows research exploration through an independent project.

Course aims

This degree equips graduates with the ability to engage in the broad scope of photographic careers. Students graduate with skills of self-reflection in their practice, critical engagement with and responses to social and cultural issues, and a broad understanding of research practices. Students also gain an understanding of new technologies for image and sound production, and new ways of approaching media in the environment.

Career options

Career options include employment or self-employment in traditional commercial photography, exhibition media, photographic lighting, photographic technical and digital workflow practice, photojournalism, installation and interactive media and advertising.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants require a weighted average mark of 70 across the three years of the Bachelor of Design in Photography and Situated Media (C10265) (see page 286).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

This course totals 48 credit points made up of four 12-credit-point subjects.

Course completion requirements

80030	Research Methods	12cp
80029	Independent Project: Conceptual Development	12cp
80028	Independent Project: Designed Outcome	12cp
80041	Dissertation	12cp
		Total 48cp

Course program

The course program is shown below.

Year 1

Autumn semester

80030	Research Methods	12cp
80029	Independent Project: Conceptual Development	12cp

Spring semester

80041	Dissertation	12cp
80028	Independent Project: Designed Outcome	12cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09055v1 Bachelor of Design (Honours) in Interior and Spatial Design

Award(s): Bachelor of Design (Honours) in Interior and Spatial Design (BDesign(Hons))
CRICOS code: 071630D
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

With a strong emphasis on creativity and technology, the Bachelor of Design (Honours) in Interior and Spatial Design is the first university program of its kind in Australia. While interior design is an established profession, spatial design encompasses a range of connected practices that engage directly and creatively with space, from designing an exhibition to art directing a performance. This honours course allows students to critically research and develop an interior and spatial design project.

The course enhances employability through the development of a portfolio. This course allows students to develop skills in a specialised area, such as performative space, commercial interiors or residential interiors design.

Uniquely, this course emphasises digital technologies of representation and fabrication, internationalisation and design practice.

Course aims

This course uses project-based learning to allow students to develop a focused portfolio. Through their study, students develop spatial intelligence and excellence in design practice. The program fosters a creative and explorative attitude toward the design process, underpinned by a reflective and critical engagement. In doing so, students generate a cohesive design approach where research and practice are consolidated in design outcomes.

The course cultivates a collaborative and global vision of design through a variety of interdisciplinary subjects, industry projects and international studios. Students develop the flexibility and confidence to work in the divergent and novel environments of contemporary practice.

The course has:

- an emphasis on creative, innovative spatial practice and international networks
- practice-oriented and research-integrated learning regarding specific projects
- engagement with innovative and creative technologies
- an emphasis on emerging design practices
- close links with creative practitioners.

Students are expected to develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

Career options

Career options include commercial and residential interior design, interactive and responsive environment design, museum and exhibition design, production design for film and television, theatre and performance design, and visual and spatial branding.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants require a weighted average mark of 72.5 across the three years of the Bachelor of Design in Interior and Spatial Design (C10271) (see page 291).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis. There are generally up to 15 contact hours a week. Lectures and studios are on campus during semester. Semesters are focused on design studios that incorporate advanced communication and technology skills with innovative design thinking and practice.

Course structure

Students must complete 48 credit points of honours subjects.

Course completion requirements

STM90725	Core subjects	48cp
		Total 48cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09056v1 Bachelor of Design (Honours) in Animation

Award(s): Bachelor of Design (Honours) in Animation (BDesign(Hons))
CRICOS code: 074705K
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course offers a practice-based approach to learning animation and places strong emphasis on two key concepts: dramatisation (including performance and character) and VFX (visual effects) design. It teaches students how to conceptualise, visualise and realise animation across many different types of media. Central to the course is the development of conceptual understanding of performance, narrative, characterisation, form, motion, time, space and aesthetics.

This course has a strong emphasis on drawing and image-making, dramatisation, physical movement and expression, teaching a full range of animation techniques and skills in industry-standard facilities.

Through a variety of interdisciplinary subjects, industry-focused projects and international studios, students develop the flexibility and confidence to work in the diverse environments of contemporary practice.

The course focuses on a set of animation studios that concentrate student learning through design projects. The animation studios integrate practice-oriented learning that allows time for a high level of individual presentation and in-depth consultation, complemented by a series of related context subjects that spans drawing and 2D animation practices to 3D and 2D digital practices.

The honours year allows exploration through the completion of an independent animated film/project.

Course aims

The course gives students skills and an outlook that extends beyond the university, and cultivates a collaborative and global vision of design. As part of the ongoing development of key industry innovators, the course aims to create new approaches to 2D and 3D animation and VFX design, enabling graduates to better develop, adapt and respond to a range of creative partnerships and collaborations.

Students develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

Career options

The course opens up animation careers in film, television, and online and mobile application design. Options include: director, producer, storyboard artist, previsualisation (previs) artist, layout artist, concept artist, production designer, art director, character designer, animator, modeller, rigger, motion capture designer, lighting designer, matchmover/3D tracker, effects (FX) animator, roto designer, compositor, stop frame model animator (claymation), and animation scriptwriter.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course completion requirements

STM90747	Core subjects	48cp
		Total 48cp

Year 1

Autumn semester

82710	Animation Studio: Advanced Animation Practice	12cp
82711	Animation Studio: Animation Project Pre-production	12cp

Spring semester

82800	Animation Studio: Animation Project/Production	24cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09057v2 Bachelor of Sport and Exercise Science (Honours)

Award(s): Bachelor of Sport and Exercise Science (Honours) (BSportExSc(Hons))
CRICOS code: 043289M
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: Kuring-gai campus

Overview

The honours program is designed to provide students with the resources to further develop and apply their research skills and to pursue special areas of interest in depth.

Course aims

The honours program aims to develop, at an advanced undergraduate level, knowledge of human movement through research; facilitate the completion of a substantive research thesis which focuses on theory, applied/professional issues or some combination of these; provide a direct pathway to graduate-level study; and make contributions to knowledge in the field of human movement.

Career options

Career options include exercise therapy and teaching of personal development, facility management, fitness and corporate health, health, physical education and outdoor education, health promotion, sports coaching, sports development, sports management, sports science and team conditioning.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Applicants should have successfully completed the Bachelor of Sport and Exercise Science (C10300) (see page 295), with a credit average or better in the final two full-time semesters.

Graduates from other institutions who have completed a comparable course and who meet the academic criteria are also considered for admission. In exceptional cases, consideration is given to applicants who have completed the Bachelor of Management in Leisure and Events (C10039) (see page 136), the Bachelor of Sport and Exercise Management (C10301) (see page 297), the Bachelor of Management in Tourism (C10040) (see page 137) or the Bachelor of Sport and Exercise Science (C10300) (see page 295) at pass level. In such cases, outstanding professional achievements are taken into account.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The honours component is normally completed in one year of full-time or two years of part-time study. It is offered only at Kuring-gai campus.

Course structure

All students must complete three coursework subjects, each worth 6 credit points, and a major thesis of 30 credit points, totalling 48 credit points. The precise nature of each student's program is determined in consultation with the honours course coordinator, with the aim of choosing those subjects that will facilitate completion of the honours research thesis.

In choosing electives, students may:

- substitute subject Readings for Thesis with an elective subject with the approval of the course coordinator
- complete both elective subjects in the first semester
- choose other senior undergraduate-level subjects with the approval of the course coordinator; these subjects may be taken from within UTS: Health or elsewhere in the University.

Course completion requirements

92054	Research and Statistics for Sport and Exercise	6cp
92055	Sport and Exercise Science Honours Dissertation 1	18cp
92056	Sport and Exercise Science Honours Dissertation 2	24cp
		Total 48cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email Health.Research.Students@uts.edu.au

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C09058v2 Bachelor of Sport and Exercise Management (Honours)

Award(s): Bachelor of Sport and Exercise Management (Honours) (BSportExM(Hons))
CRICOS code: 053395D
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1

Overview

The honours program is designed to provide students with the resources to further develop and apply their research skills and to pursue special areas of interest in depth.

Course aims

The honours program aims to develop, at an advanced undergraduate level, knowledge of sport and exercise management through research; facilitate the completion of a substantive research thesis which focuses on theory, applied / professional issues or some combination of these; provide a direct pathway to graduate-level study; and make contributions to knowledge in the field of sport and exercise management.

Career options

Career options include corporate health and fitness manager, events manager, health and fitness counsellor, sporting facility manager, sports coach, sports development officer, sports manager and sports marketer.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

Admission to the honours program is open to students who have successfully completed the Bachelor of Sport and Exercise Management (C10301) (see page 297), with a credit average or better in the final two full-time semesters.

Graduates from other institutions who have completed a comparable course and who meet the academic criteria are also considered for admission.

In exceptional cases, consideration is given to applicants who have completed the Bachelor of Sport and Exercise Management (C10301) (see page 297) at pass level. In such cases, outstanding professional achievements are taken into account.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The honours component is normally completed in one year of full-time or two years of part-time study. It is offered only at Kuring-gai campus.

Course structure

All students must complete three coursework subjects, each worth 6 credit points, and a major thesis of 30 credit points, totalling 48 credit points. The precise nature of each student's program is determined in consultation with the honours course coordinator, with the aim being to choose those subjects that facilitate completion of the honours research thesis.

In choosing electives, students may:

- substitute subjects Readings for Thesis with an elective subject with the approval of the course coordinator
- complete both elective subjects in the first semester
- choose other senior undergraduate-level subjects with the approval of the course coordinator; these subjects may be taken from within UTS: Health or elsewhere in the University.

Course completion requirements

92054	Research and Statistics for Sport and Exercise	6cp
92057	Sport and Exercise Management Honours Dissertation 1	18cp
92058	Sport and Exercise Management Honours Dissertation 2	24cp
		Total 48cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email Health.Research.Students@uts.edu.au

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C09059v1 Bachelor of Design (Honours) in Integrated Product Design

Award(s): Bachelor of Design (Honours) in Integrated Product Design (BDesign(Hons))
CRICOS code: 077332K
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

The first intake for this course will be in 2016.

Overview

Integrated product design expands on the traditional field of industrial design to reflect the changed realities of the globalised design profession. The course offers a practice-based approach to learning through the integration of digital and analogue technologies across the broad field of integrated product design, as well as the potential for specialisation within highly contemporary and innovative integrated product design practices.

Structured around design studios, this dynamic course allows the development and realisation of major projects, as a professional design outcome. With a strong emphasis on creativity and technology, graduates move seamlessly from the design of material objects to the design of associated services together with the skills to maintain a specialist role within an interdisciplinary team.

Course aims

The Bachelor of Design in Integrated Product Design (Honours) centres on the integration of research and high-level design project engagement. This provides students with an opportunity to be challenged by high-level engagement with design, research and practice. Honours projects are managed by structuring technology-driven, practice-orientated and research-integrated learning.

Students explore design issues, learn and implement new strategies and combine theory and practice in the context of a rapidly changing technological and social environment. They are encouraged to develop intellectual independence and a research-driven methodology to product development that explores the boundaries of their profession.

Career options

Career options include corporate or in-house designer, design consultant, production manager, industrial designer, interaction designer, designer of smart objects, interactive product designer, system designer, furniture, product or accessories designer, design communication professional, design researcher, commercialisation professional.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or part-time equivalent basis.

Course completion requirements

STM90789	Core subjects (Honours)	24cp
CBK90874	Project options	24cp
		Total 48cp

Course program

The typical course program is shown below.

Year 1

Autumn semester

84905	Design in the Wild	12cp
84902	Industrial Design Major Project: Research and Conceptualisation	12cp

Spring semester

Select 24 credit points from the following options:			24cp
84906	Professional Studio	12cp	
84907	Integrated Product Design Major Project: Realisation	12cp	
84900	Superstudio	24cp	

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09060v1 Bachelor of Design (Honours) in Fashion and Textiles

Award(s): Bachelor of Design (Honours) in Fashion and Textiles (BDesign(Hons))
CRICOS code: 077330A
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

The first intake for this course will be in 2016.

Overview

The Bachelor of Design in Fashion and Textiles has been designed to enable students to create pathways of learning as they progress through the degree with a flexible and diverse approach to learning. Emphasis throughout this practice-based course is placed on value, innovation, creativity and responsible practice. Students should develop flexibility and confidence in working in and across the diverse environments that constitute contemporary practice.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallel the process that professionals undertake in industry. The Honours year allows the development and realisation of major projects, as a professional design outcome.

Course aims

The course aims to produce graduates who aspire to the highest level of practice and are capable of adapting to the changing nature of the industry and research by developing creative solutions within the context of rapidly changing global fashion.

The course is designed to provide students with an outlook and ambition that extends beyond the university, cultivating a collaborative and global vision of design. The driving force of this course is critical and reflective design practice. It advances critical research skills and challenge students to question, analyse and redefine existing methodologies in fashion and textile practice.

Career options

Career options include buyer, fashion editor, fashion or textile designer, illustrator or stylist. Some students start their own business, while others work within an established company. Graduates may also continue studies at postgraduate level.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583

overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or part-time equivalent basis.

Course completion requirements

83921	Research: Fashion and Textiles Dissertation	6cp
83922	Research: Professional Practice Identity	6cp
83923	Research: Fashion Concept Lab	12cp
83900	Research Realisation: Major Project	24cp
		Total 48cp

Course program

The typical course program is shown below.

Year 1

Autumn semester

83921	Research: Fashion and Textiles Dissertation	6cp
83922	Research: Professional Practice Identity	6cp
83923	Research: Fashion Concept Lab	12cp

Spring semester

83900	Research Realisation: Major Project	24cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09061v1 Bachelor of Design (Honours) in Visual Communication

Award(s): Bachelor of Design (Honours) in Visual Communication (BDesign(Hons))
CRICOS code: 077340K
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

The first intake for this course will be in 2016.

Overview

The Bachelor of Design in Visual Communication (Honours) offers a practice-based approach to learning visual communication. Throughout the course, the creation of new design solutions is driven by rigorous and critical exploration of methods, materiality and technology, and understanding the influence of globalisation, digitisation, complexity and interactivity.

The course allows students to develop and realise major design projects, paralleling the process that professionals undertake in industry. It allows students to consolidate an understanding of their own individual design language and gives them advanced levels of analysis, self-direction, motivation and self-management.

Course aims

The Bachelor of Design in Visual Communication (Honours) centres on the integration of research and high-level design project engagement. This provides students with an opportunity to be challenged by high-level engagement with design, research and practice. Honours' projects are managed by structuring technology-driven, practice-orientated and research-integrated learning.

Students explore design issues, learn and implement new strategies and combine theory and practice in the context of a rapidly changing technological and social environment.

Career options

Career options include design roles in graphic design, publishing, advertising, animation, film, television, exhibitions, government agencies, not-for-profit and corporate sectors.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis. Students may study this program part time after consultation with the program director.

Course completion requirements

87931	VC Extensions A	6cp
87932	VC Extensions B	6cp
87933	Design Research: Visualising Research	12cp
87900	Design Research: Major Project VC	24cp
		Total 48cp

Course program

The typical course program is shown below.

Year 1

Autumn semester

87931	VC Extensions A	6cp
87932	VC Extensions B	6cp
87933	Design Research: Visualising Research	12cp

Spring semester

87900	Design Research: Major Project VC	24cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09062v1 Bachelor of Accounting (Honours)

Award(s): Bachelor of Accounting (Honours) (BAcc(Hons))
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is not offered to international students.

Overview

The Bachelor of Accounting (Honours) provides an opportunity for advanced study in the disciplinary area of accounting. The course provides the ideal foundation for students who plan to pursue a challenging career in applied research in business and related professions, or who plan to undertake doctoral research studies in accounting.

The course provides an opportunity to undertake an honours degree in accounting tailored to the needs of students who have completed the Bachelor of Accounting program at UTS. The Bachelor of Accounting (Honours) program involves satisfactory completion of four foundational coursework subjects offered in first semester. In second semester, students undertake a thesis subject focusing on the academic needs of students enrolled in the program. This involves students producing a professionally oriented thesis where the objective is to undertake an original piece of research with an applied, professionally relevant focus. However, the scope of the thesis is flexible and it remains possible for students to undertake a more theoretical and rigorous thesis meeting all the educational objectives of the thesis subject should they wish to do so.

Course aims

The degree seeks to provide students with the knowledge, competencies and values necessary for a fulfilling career with enhanced opportunities for progression.

Career options

Career options are broad and include positions both in professional accounting along with opportunities in the finance industry. The training provided means candidates are well suited to positions in either the private or public sectors. The course also provides candidates with ideal training for various consulting roles.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

For this course, applicants must have completed the UTS Bachelor of Accounting, or an equivalent accounting industry sponsored co-operative education degree, with an overall credit average and an average mark of 70 (or equivalent for non-UTS students).

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Applications are available from:

www.business.uts.edu.au/bofacc

Credit recognition

Subject exemptions do not apply to this course.

Course duration and attendance

The honours degree comprises one year of intensive full-time study or, in approved cases, two years of part-time study.

Course structure

The Bachelor of Accounting (Honours) comprises 48 credit points of study. It involves satisfactory completion of four foundational coursework subjects offered in first semester. In second semester, students undertake a thesis subject where they produce a professionally oriented thesis with the objective of undertaking an original piece of research with an applied, professionally relevant focus.

Course completion requirements

22901	Accounting Research and Consulting Skills	6cp
22902	Financial Reporting, Capital Markets and Disclosure	6cp
22903	Contemporary Issues in Management Accounting Research	6cp
22908	Current Issues in Corporate Governance and Assurance	6cp
22991	Thesis in Accounting (BAcc)	24cp
		Total 48cp

Other information

Further information is available from the UTS Business School on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C09063v1 Bachelor of Property Economics (Honours)

Award(s): Bachelor of Property Economics (Honours) (BPropEc(Hons))
CRICOS code: 079555A
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

Building on the skills and knowledge developed in the Bachelor's course, students completing the honours degree develop much greater depth in two of four possible areas: advanced research on a topic related to property and completion of a thesis; valuation and law; finance and investment; or development and planning.

Depending on the two areas chosen, students in this course qualify for more advanced professional work in a particular specialisation or specialisations, and are prepared for entry to a higher research degree. While some of the subjects included in the optional pathways are also available to Bachelor's degree students, each pathway includes subjects open only to postgraduate students in graduate certificate, graduate diploma, and master's courses, and each pathway also includes an independent research project.

Course aims

These advanced subjects aim to ensure that honours students develop the critical thinking, and analytic and synthetic skills needed to deal with more complex problems, and deeper knowledge about particular areas of specialisation. All honours students are required to demonstrate the ability to design and carry out independent research, using critical thinking and judgment alongside technical research skills.

Career options

Career options include property valuer, property and asset manager, property market analyst, property sales and acquisitions, property developer, funds manager, and corporate real estate adviser.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

UTS: Design, Architecture and Building may consider applications based on the results of the Special Tertiary Admissions Test (STAT) if students lack academic qualifications but have extensive professional experience. The STAT is conducted through the Universities Admissions Centre.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or part-time equivalent basis.

Course structure

The course comprises a total of 48 credit points.

Course completion requirements

CBK90910	Research options (Property Economics)	48cp
		Total 48cp

Professional recognition

Australian Property Institute (API); Royal Institution of Chartered Surveyors (RICS); Singapore Institute of Surveyors and Valuers (SISV)

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C09064v1 Bachelor of Design (Honours)

Award(s): Bachelor of Design (Honours) (BDesign(Hons))
CRICOS code: 079560D
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Bachelor of Design (Honours) offers a practice-based and research-integrated approach to exploration of and experimentation in emerging interdisciplinary design practice. The studio-based course explores interdisciplinary areas of new technologies, interactivation, sustainability and innovation design. Students develop flexible thinking and responsive practice in the context of a rapidly changing technological and social environment.

The course gives students an advanced, focused and transformative educational experience in a research-led teaching environment that is relevant to both industry and cultural needs. Graduates are equipped with the applicable competitive and innovative skills to meet the latest industry and research standards.

Students can develop interdisciplinary design expertise at an honours level, building on competencies developed in their undergraduate degree and equipping them to move into emerging interdisciplinary areas of design specialisation and/or higher degree research.

Students develop their capacity to make judgments about both their own work and that of others - a key step in becoming effective continuing learners and practitioners - by participating in self- and peer-assessment activities. Through a variety of interdisciplinary studios and industry-focused projects, students develop the flexibility and confidence to work in the diverse environment of contemporary practice.

Course aims

The course aims to support and foster a creative and explorative attitude towards the design process, substantiated by a reflective and critical viewpoint gained through theoretical engagement. Students are supported in acquiring a coherent approach to design where research and practice are consolidated in design outcomes.

Students acquire the cognitive skills to review, analyse, consolidate and synthesise knowledge in relation to complex problems requiring a design solution. They independently pursue problem-solving activity under the supervision of their studio leader. They develop cognitive skills to exercise critical thinking and ongoing reflection in action; technical skills to successfully research and resolve a project; and communication skills to present a clear and coherent exposition of the design proposition they have developed, to a variety of audiences including design professionals, client groups and student peers.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course completion requirements

CBK90932	Design choice (Honours)	24cp
CBK90933	Complementary Design Studio choice	12cp
CBK90934	Theory and Technology Design choice (Honours)	12cp
		Total 48cp

Year 1

Autumn semester

Select one of the following: 12cp

CBK90933	Complementary Design Studio choice	12cp
CBK90934	Theory and Technology Design choice (Honours)	12cp

Select 12 credit points from the following options: 12cp

CBK90932	Design choice (Honours)	24cp

Spring semester

Select one of the following: 12cp

CBK90934	Theory and Technology Design choice (Honours)	12cp
CBK90933	Complementary Design Studio choice	12cp

Select 12 credit points from the following options: 12cp

CBK90932	Design choice (Honours)	24cp

Other information

Further information is available from the Building 6 Student Centre:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10004v5 Bachelor of Design in Architecture

Award(s): Bachelor of Design in Architecture (BDes)
UAC code: 602010 (Autumn semester)
CRICOS code: 044179J
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

The Bachelor of Design in Architecture by itself does not lead to professional recognition as an architect. To become a professional architect, students must complete this degree followed by the Master of Architecture (C04235) (see page 404) (an additional two years of full-time study or equivalent).

Overview

The Bachelor of Design in Architecture is the first of two degrees needed to become an architect. Students wishing to qualify for professional recognition as architects must also complete the Master of Architecture (C04235) (see page 404). UTS architecture courses provide the skills and knowledge necessary to practise in the architectural profession and to be a future leader in the design of the built environment.

The Bachelor of Design in Architecture provides students with a rich education oriented towards international practice and design experimentation. Teaching is hands-on and undertaken in teams using the most innovative digital design and fabrication technologies available to the architectural profession in dedicated studios and workshops.

UTS students have the benefit of learning from a cohesive team who are passionate about architecture and engage with the discipline as practitioners, researchers, educators and critics.

The first year is undertaken full time, but in subsequent years students can enrol part time, making it possible to gain significant professional experience before graduation.

Course aims

This degree provides a liberal introduction to the study of architecture as a discipline. Students gain a critical and ethical awareness of architecture as a discipline with much to offer in the face of many of today's most pressing societal challenges. It equips students to join other design fields or related disciplines, and it prepares students for the Master of Architecture degree.

Career options

Career options include architect (after completion of the Master of Architecture), urban designer, landscape architect, administrator, policy maker, researcher, educator, or journalist.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

UTS: Design, Architecture and Building may consider applications based on the results of the Special Tertiary Admissions Test (STAT) if students lack academic qualifications but have extensive professional experience. The STAT is conducted through the Universities Admissions Centre.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Design and technology; visual arts; history and physics are recommended.

Course duration and attendance

The course duration is three years of full-time study (or equivalent). Year 1 is recommended to be taken in full-time mode.

Course structure

The course comprises a total of 144 credit points. The normal full-time load is four 6-credit-point subjects a semester, totalling 48 credit points a year for three years.

Year 1 comprises four compulsory 6-credit-point subjects a semester. Years 2 and 3 comprise one 6-credit-point elective and three compulsory subjects a semester.

Course completion requirements

STM90375	Core subjects	120cp
CBK90284	Sub-major/Electives	24cp
		Total 144cp

Course program

The subjects listed below represent the standard full-time course. Under certain circumstances, students may apply for exemptions from some subjects. The example program below is for a student commencing in Autumn semester and undertaking the course full time.

Year 1

Autumn semester

11211	Architectural Design: Forming	6cp
11212	Architectural History and Theory: Orientations	6cp
11205	Architecture Culture and Environment	6cp
11214	Architectural Design: Architectural Communications	6cp

Spring semester

11209	Architectural Design: Making	6cp
11216	Architectural History and Theory: Modernity and Modernism	6cp
11206	Introduction to Construction and Structural Synthesis	6cp
11208	Architectural Design: Architectural Communications 2	6cp

Year 2

Autumn semester

11221	Architectural Design: Strategy	6cp
11248	Architectural History and Theory: Urbanism and the City	6cp
11207	Architectural Design and Construction	6cp
Select 6 credit points of electives		6cp

Spring semester

11222	Architectural History and Theory: Critique	6cp
11227	Architectural Design: Performance	6cp
11225	Thermal Design and Environmental Control	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

11231	Architectural Design: Field	6cp
11232	Lighting, Acoustics and Advanced Environmental Control	6cp
11233	Advanced Architectural Construction	6cp
Select 6 credit points of electives		6cp

Spring semester

11234	Architectural Design: Integration	6cp
11247	Architectural History and Theory: Current Events and Debates	6cp
11204	Integrated Services	6cp
Select 6 credit points of electives		6cp

Honours

Further information about an honours qualification is available from the UTS Student Centre.

Further study at UTS

Students who have successfully completed this course may proceed to the Master of Architecture (C04235) (see page 404) as continuing students, provided they enrol in the next academic year after award of the degree, or seek leave of absence for no longer than one academic year after the award.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10020v4 Bachelor of Business Bachelor of Arts in International Studies

Award(s): Bachelor of Business (BBus)
Bachelor of Arts in International Studies (BA)
UAC code: 609130 (Autumn semester)
CRICOS code: 026187C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

The course is also available at Kuring-gai campus (see C10021) (see page 132).

Overview

The Bachelor of Business Bachelor of Arts in International Studies is offered jointly by UTS: Business and UTS: International Studies. The degree integrates the study of business with a major in the language and culture of another country.

Course aims

This combined degree aims to provide students with the knowledge, competencies and values necessary to develop critical, analytical and evaluative skills essential for a fulfilling and effective career in business, while at the same time providing an opportunity to acquire knowledge and understanding of another language and culture.

Career options

Career options include positions in any branch of business or commerce as well as management of private and public sector enterprises ranging from start-ups to large multinational enterprises. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Business at City campus (C10026) (see page 132) or the Bachelor of Business at Kuring-gai campus (C10027) (see page 135). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Credit recognition

Information on credit recognition in the business component is available from the Bachelor of Business (C10026) (see page 132).

Course duration and attendance

The course is offered as a full-time program over five years. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

All students must complete 240 credit points of study, comprising 144 credit points relating to business and 96 credit points relating to international studies. Full details of the Bachelor of Business component of the combined degree are available from the Bachelor of Business (C10026) (see page 132). The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

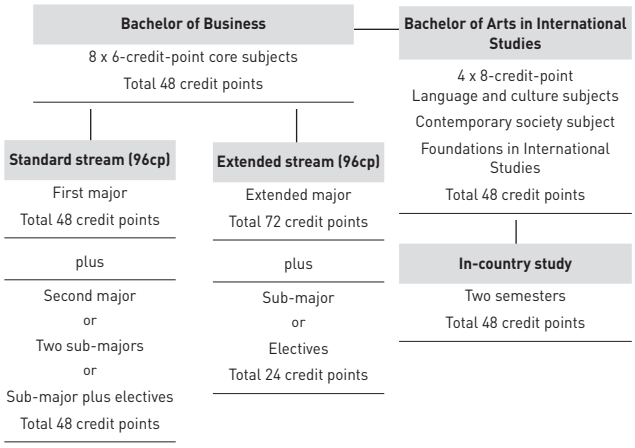
Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90273	Core subjects (Business)	48cp
CBK90679	Stream choice	96cp
		Total 240cp

Course diagram



Course program

The typical program shown below is for a full-time student who has chosen the Germany major as their International Studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Full details of the business component are available from the Bachelor of Business (C10026) (see page 132).

Full time - core subjects

Year 1

Autumn semester

26100	Integrating Business Perspectives	6cp
22107	Accounting for Business Decisions A	6cp
26134	Business Statistics	6cp
23115	Economics for Business	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
22207	Accounting for Business Decisions B	6cp

Year 2

Autumn semester

976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp
Select 6 credit points of electives		6cp

Spring semester

97602	German Language and Culture 2	8cp
Select 18 credit points of electives		18cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
Select 18 credit points of electives		18cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

Select 24 credit points of electives	24cp

Spring semester

Select 24 credit points of electives	24cp

Other information

Further information on the business component is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

www.business.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10021v4 Bachelor of Business Bachelor of Arts in International Studies

Award(s): Bachelor of Business (BBus)
Bachelor of Arts in International Studies (BA)
UAC code: 609140 (Autumn semester)
CRICOS code: 026187C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: Kuring-gai campus

Note(s)

The course is also available at City campus (see C10020) (see page 130).

Overview

The Bachelor of Business Bachelor of Arts in International Studies is offered jointly by UTS: Business and UTS: International Studies. The degree integrates the study of business with a major in the language and culture of another country.

Course aims

This combined degree aims to provide students with the knowledge, competencies and values necessary to develop critical, analytical and evaluative skills essential for a fulfilling and effective career in business, while at the same time providing an opportunity to acquire knowledge and understanding of another language and culture.

Career options

Career options include positions in any branch of business or commerce as well as management of private and public sector enterprises ranging from start-ups to large multinational enterprises. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Business at City campus (C10026) (see page 132) or the Bachelor of Business at Kuring-gai campus (C10027) (see page 135). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Credit recognition

Information on credit recognition in the business component is available from the Bachelor of Business (C10027) (see page 135).

Course duration and attendance

The course is offered as a full-time program over five years. Students spend two semesters of study at a university or other higher education institution in the country of their major. The international studies component of the course is mainly offered at City campus.

Course structure

All students must complete 240 credit points of study, comprising 144 credit points relating to business and 96 credit points relating to international studies. Full details of the Bachelor of Business component of the combined degree are available from the Bachelor of Business (C10027) (see page 135). The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90273	Core subjects (Business)	48cp
CBK90679	Stream choice	96cp
		Total 240cp

Course program

For details of the course program see the Bachelor of Business Bachelor of Arts in International Studies (C10020) (see page 130).

Other information

Further information on the business component is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

www.business.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10026v4 Bachelor of Business

Award(s): Bachelor of Business (BBus)
UAC code: 601030 (FT) (Autumn semester, Spring semester), 601035 (PT) (Autumn semester)
CRICOS code: 006487A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

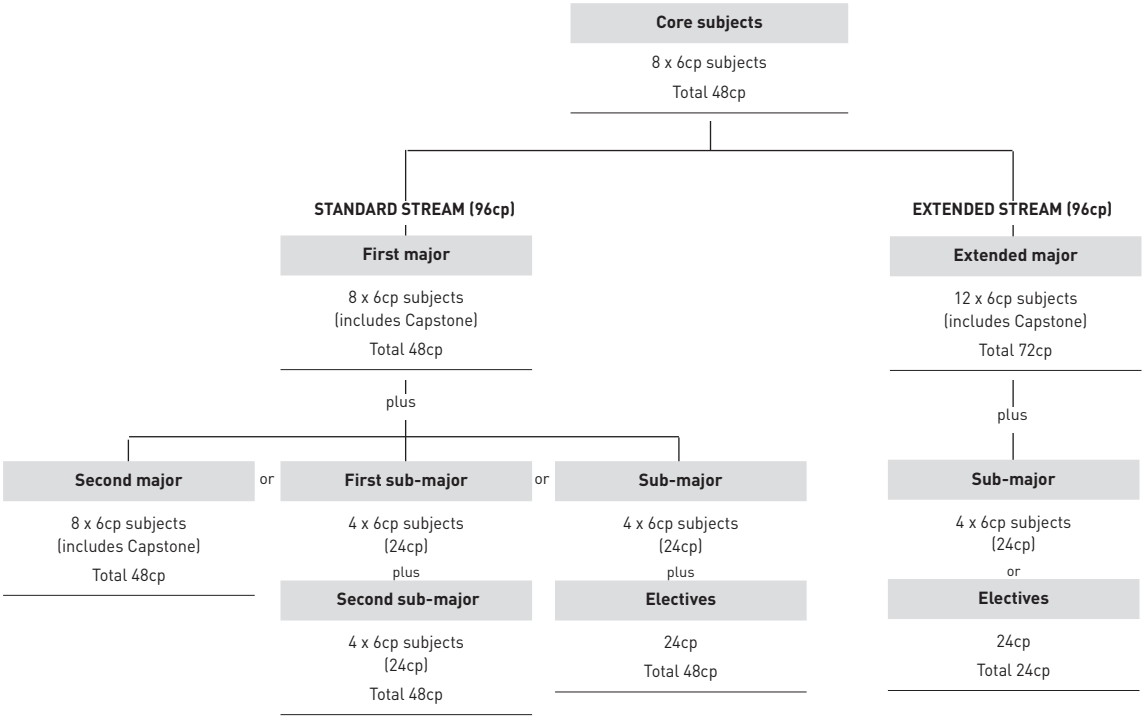
This is the City campus version of the Bachelor of Business. It is also available at Kuring-gai campus (see C10027) (see page 135).

Overview

The Bachelor of Business offers students a sound background in all areas of business through common core subjects, in addition to in-depth knowledge in one or more chosen areas of interest.

This course provides an understanding of important aspects of business and offers a wide choice of majors and sub-majors. A wide variety of international exchange options are available.

Course diagram



Course aims

The degree seeks to provide students with the knowledge, competencies and values necessary to develop critical, analytical and evaluative skills essential for a fulfilling and effective career in business.

Career options

Career options include jobs in accounting, banking, economics, finance, financial services, human resource management, international business, management, marketing, marketing communication, sport or tourism management.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English. Bridging courses are available.

External articulation

- TAFE NSW: UTS has an articulated credit transfer policy with TAFE NSW. Block credit may be granted for a number of completed TAFE courses. To be eligible for credit, students must have completed their course at a minimum Diploma (AQF) or higher. These courses must have been completed no earlier than two years prior to their commencement in the relevant course at UTS, i.e. students commencing in 2014 must have completed their TAFE courses in 2012 or later.
- INSEARCH: Students who have completed appropriate courses through INSEARCH, if admitted, will be given up to one year's credit recognition in the Bachelor of Business.

Credit recognition

Students who are enrolled in the Bachelor of Business and have previously studied at another university or other recognised tertiary educational institution may be eligible for credit recognition if the subjects previously studied are deemed by UTS: Business to be equivalent to those specified for their course.

Students who have completed subjects at a recognised university may be granted exemptions for particular subjects at UTS or unspecified electives that are credit points granted without nominating a particular subject equivalent. To be considered for credit recognition, subjects must have been completed no more than 10 years prior to the commencement of the Bachelor of Business course. Undergraduate students who have been identified as having studied at another university prior to the commencement of their studies at UTS normally receive information on applying for credit recognition at approximately the same time as they receive their offer of a place at UTS.

Students who have completed a course at a private college are not eligible for any exemptions unless an articulation agreement between UTS: Business and the college is in place.

Course duration and attendance

The course can be completed in a minimum of three years of full-time or six years of part-time study.

The course may be completed through either a full-time or part-time attendance pattern, or a combination of these.

Full-time study is usually undertaken at the rate of 24 credit points a semester. Students who wish to undertake more than the normal full-time load in one semester must have their study plan endorsed by a student adviser from a UTS Student Centre.

Part-time study is usually undertaken at the rate of 12 credit points a semester. Part-time students must be prepared to attend one afternoon or morning class during each teaching week.

Some subjects may be offered in an optional Summer session so that students may fast-track their studies.

Course structure

Students must complete 144 credit points, comprising eight foundation core subjects (48 credit points), and a standard stream (96 credit points) or an extended major stream (96 credit points). The standard stream comprises a first major (48 credit points), and

either a second major (48 credit points), or two sub-majors (24 credit points each), or a single sub-major (24 credit points) in conjunction with elective subjects (24 credit points). The extended major stream comprises an extended major (72 credit points), and a sub-major (24 credit points) or elective subjects (24 credit points).

Students can choose any one of the following as a first major: Accounting, Economics, Finance, Human Resource Management, International Business, Management, Marketing, Financial Services or Marketing Communication.

The choice of second major includes those listed above as well as Business Law, Information Technology, Sport Management or Tourism Management.

Electives or structured elective sequences (totalling 24 credit points) can be taken from any faculty in the University, or from another university or its equivalent, with UTS: Business approval.

Course completion requirements

STM90273	Core subjects (Business)	48cp
CBK90679	Stream choice	96cp
		Total 144cp

Course program

Typical full-time and part-time programs for the core subjects are provided below.

Typical full-time program for core subjects

Year 1

Autumn semester

26100	Integrating Business Perspectives	6cp
22107	Accounting for Business Decisions A	6cp
23115	Economics for Business	6cp
26134	Business Statistics	6cp

Spring semester

22207	Accounting for Business Decisions B	6cp
21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp

Typical part-time program for core subjects

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp

Spring semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp

Year 2

Autumn semester

21129	Managing People and Organisations	6cp
22207	Accounting for Business Decisions B	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
24108	Marketing Foundations	6cp

List of majors

MAJ08437	Accounting	48cp
MAJ09401	Business Law	48cp
MAJ09209	Economics	48cp
MAJ08440	Finance	48cp
MAJ08068	Financial Services	48cp
MAJ08446	Human Resource Management	48cp
MAJ02041	Information Technology	48cp
MAJ08442	International Business	48cp
MAJ08438	Management	48cp
MAJ08441	Marketing	48cp
MAJ08116	Marketing Communication	48cp
MAJ08445	Sport Management	48cp
MAJ08443	Tourism Management	48cp

List of sub-majors

SMJ08131	Advanced Advertising	24cp
SMJ08137	Advertising	24cp
SMJ02036	Business Information Systems	24cp
SMJ09030	Business Law	24cp
SMJ09058	Econometrics	24cp
SMJ09028	Economics	24cp
SMJ08203	Event Management	24cp
SMJ08123	Finance	24cp
SMJ08214	Financial Planning	24cp
SMJ08116	Financial Reporting	24cp
SMJ08215	Financial Services	24cp
SMJ08141	Human Resource Development	24cp
SMJ08128	Human Resource Management	24cp
SMJ08117	International Accounting	24cp
SMJ08139	International Business Studies	24cp
SMJ08129	International Management	24cp
SMJ09034	International Studies	24cp
SMJ02037	Information Technology	24cp
SMJ09035	Language other than English	24cp
SMJ08130	Management	24cp
SMJ08109	Management Consulting	24cp
SMJ08195	Management Reporting	24cp
SMJ08138	Marketing	24cp
SMJ08132	Marketing Research	24cp
SMJ01007	Mathematics	24cp
SMJ08211	Public Relations	24cp
SMJ01025	Quantitative Management	24cp
SMJ08120	Small Business Accounting	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08126	Sport Management	24cp
SMJ01009	Statistics	24cp
SMJ08204	Strategic Marketing	24cp
SMJ09033	Taxation Law	24cp
SMJ08127	Tourism Management	24cp

List of extended majors

MAJ09402	Extended Economics	72cp
MAJ08060	Extended Finance	72cp
MAJ08046	Extended Management	72cp
MAJ08063	Extended Marketing	72cp

Levels of award

The Bachelor of Business may be awarded with distinction, credit or pass.

Honours

The Bachelor of Business (Honours) (C09004) (see page 111) is available with an additional one year of full-time study (or part-time equivalent) for eligible students.

Professional recognition

The Accounting major meets the educational membership requirements for CPA Australia, Institute of Chartered Accountants in Australia, Institute of Public Accountants and Chartered Institute of Management Accountants.

Students who complete the Human Resource Management major are eligible to apply for the professional member status and/or advancement to a higher level of membership of the Australian Human Resources Institute.

Students who complete a Marketing major are eligible to apply for Associate Membership of the Australian Marketing Institute.

The Bachelor of Business covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered.

UTS is a CFA Institute University Program Partner based on the Bachelor of Business with a Finance major.

The Finance major meets the educational requirements for the Financial Services Institute of Australasia (Finsia) associate membership.

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

www.business.uts.edu.au

C10027v4 Bachelor of Business

Award(s): Bachelor of Business (BBus)
UAC code: 601045 (FT) (Autumn semester, Spring semester)
CRICOS code: 067092D
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Note(s)

This is the Kuring-gai campus version of the Bachelor of Business. It is also available at City campus (see C10026) (see page 132).

Overview

The Bachelor of Business offers students a sound background in all areas of business through common core subjects, in addition to in-depth knowledge in one or more chosen areas of interest.

This course provides a basic understanding of important aspects of business and a wide choice of majors/sub-majors. Students are encouraged to add a specialisation to their broad general training.

Course aims

The degree seeks to provide students with the knowledge, competencies and values necessary to develop critical, analytical and evaluative skills essential for a fulfilling and effective career in business.

Career options

Career options include accounting, economics, finance, financial services, human resource management, international business, management, marketing, marketing communication, sport or tourism management.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English. Bridging courses are available.

External articulation

- TAFE NSW: UTS has an articulated credit transfer policy with TAFE NSW. Block credit may be granted for a number of completed TAFE courses. To be eligible for credit, students must have completed their course at a minimum Diploma (AQF) or higher. These courses must have been completed no earlier than two years prior to their commencement in the relevant course at UTS, i.e. students commencing in 2012 must have completed their TAFE courses in 2010 or later.
- INSEARCH: Students who have completed appropriate courses through INSEARCH, if admitted, are given up to one year's credit recognition in the Bachelor of Business.

Credit recognition

Students who are enrolled in the Bachelor of Business and have previously studied at another university or other recognised tertiary educational institution may be eligible for credit recognition if the subjects previously studied are deemed by UTS: Business to be equivalent to those specified for their course.

Students who have completed subjects at a recognised university may be granted exemptions for particular subjects at UTS or unspecified electives which are credit points granted without nominating a particular subject equivalent. To be considered for credit recognition, subjects must have been completed no more than 10 years prior to the commencement of the Bachelor of Business course. Undergraduate students who have been identified as having studied at another university prior to the commencement of their studies at UTS normally receive information on applying for credit recognition at approximately the same time as they receive their offer of a place at UTS.

Students who have completed a course at a private college are not eligible for any exemptions unless an articulation agreement between UTS: Business and the college is in place.

Course duration and attendance

The course can be completed in a minimum of three years of full-time study (at Kuring-gai campus).

Full-time study is usually undertaken at the rate of 24 credit points a semester. Students who wish to undertake more than the normal full-time load in one semester must have their study plan endorsed by a student adviser from a UTS Student Centre.

Some subjects may be offered in an optional Summer session so that students may fast-track their studies.

Course structure

Students must complete 144 credit points, comprising eight foundation core subjects (48 credit points), and a standard stream (96 credit points) or an extended major stream (96 credit points). The standard stream comprises a first major (48 credit points), and either a second major (48 credit points), or two sub-majors (24 credit points each), or a single sub-major (24 credit points) in conjunction with elective subjects (24 credit points). The extended major stream comprises an extended major (72 credit points), and a sub-major (24 credit points) or elective subjects (24 credit points).

Students can choose any one of the following as a first major: Accounting, Economics, Finance, Human Resource Management, International Business, Management, Marketing, Financial Services or Marketing Communication.

The choice of second major includes those listed above as well as Business Law, Information Technology, Sport Management or Tourism Management.

Electives or structured elective sequences (totalling 24 credit points) can be taken from any faculty in the University, or from another university or its equivalent, with UTS: Business approval.

Course completion requirements

STM90273	Core subjects (Business)	48cp
CBK90679	Stream choice	96cp
		Total 144cp

Course program

A typical full-time program for the core subjects is provided below.

For details on the available majors and sub-majors refer to the Bachelor of Business (C10026) (see page 132). Students should note that all major and sub-majors listed may not be available at Kuring-gai campus.

Typical full-time program for core subjects

Year 1

Autumn semester

26100	Integrating Business Perspectives	6cp
22107	Accounting for Business Decisions A	6cp
26134	Business Statistics	6cp
23115	Economics for Business	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
22207	Accounting for Business Decisions B	6cp

Levels of award

The Bachelor of Business may be awarded with distinction, credit or pass.

Honours

The Bachelor of Business (Honours) (C09004) (see page 111) is available with an additional one year of full-time study (or part-time equivalent) for eligible students.

Professional recognition

The Accounting major meets the educational membership requirements for CPA Australia, Institute of Chartered Accountants in Australia, Institute of Public Accountants and Chartered Institute of Management Accountants.

Students who complete the Human Resource Management major are eligible to apply for the professional member status and/or advancement to a higher level of membership of the Australian Human Resources Institute.

The Bachelor of Business covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered.

UTS is a CFA Institute program partner based on the Bachelor of Business with a major in finance.

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

www.business.uts.edu.au

C10039v10 Bachelor of Management in Events and Leisure

Award(s): Bachelor of Management in Events and Leisure (BM)
UAC code: 601065 (Autumn semester, Spring semester)
CRICOS code: 008759K
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Overview

The Bachelor of Management in Events and Leisure provides students with the knowledge and professional skills necessary to operate within the events and leisure industry.

This course provides students with a broad understanding of leisure behaviour and the event and experience industries of individuals, organisations and Australian communities. Students learn how to manage aspects of sport, recreation, tourism, entertainment and the arts. Students develop knowledge and skills in the design and management of a wide range of events including mega events such as the Olympic Games. Issues of sustainability, ethics, entrepreneurship, strategic management, consultancy and research are addressed.

Course aims

Graduates of this program develop theoretical knowledge and skills relevant to the organisation, research, planning, administration, marketing and equitable distribution of event and leisure services.

Career options

Career options include event coordinator/manager, meetings planner, sport or entertainment venue manager, festival organiser, leisure and recreation planner, marketing manager for arts, leisure and events organisations, sponsorship positions.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers should submit a personal statement to UTS by 29 November 2013.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English.

Credit recognition

Students may apply for credit recognition in subjects in which they consider themselves eligible. Equivalence of subject matter is the main criterion for credit recognition in a subject successfully completed at another institution.

Course duration and attendance

The course is taught on a full-time basis. The normal time for completion is three years.

Full-time students should be aware that they are required to attend evening classes as part of their program of study.

This course is offered at Kuring-gai campus only.

Course structure

All students must complete a total of 144 credit points made up of 24 subjects, comprising 20 core and four elective subjects.

The electives (totalling 24 credit points) are to be chosen from a prescribed list of subjects in events, leisure, sport, tourism or arts management. The four electives chosen from the prescribed list may comprise a Tourism Management or Sport Management sub-major.

With the approval of the undergraduate program director, two of the four electives may be chosen from outside the prescribed list of subjects.

Industrial training/professional practice

The course has an extensive compulsory internship program and a capstone industry-based research project.

Course completion requirements

STM90288	Core subjects	120cp
CBK90190	Electives	24cp
		Total 144cp

Course program

Typical full-time programs are provided below, showing a suggested study sequence for students undertaking the course full time for both Autumn and Spring semester commencements.

Typical full-time program, Autumn commencing

Year 1

Autumn semester

23115	Economics for Business	6cp
24108	Marketing Foundations	6cp
27126	Event and Leisure Industries	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp

Spring semester

22107	Accounting for Business Decisions A	6cp
27703	Event Management	6cp
21129	Managing People and Organisations	6cp
27326	Diversity Management	6cp

Year 2

Autumn semester

27344	Research Foundations for Leisure Sport and Tourism	6cp
27115	Arts and Entertainment Industries	6cp
27192	Event Impacts and Legacies	6cp
Select 6 credit points of electives		6cp

Spring semester

27350	Professional Internship (Capstone)	6cp
27628	Law for Leisure, Sport and Tourism	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

27216	Venue Management	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27361	Industry Project 1	6cp
Select 6 credit points of electives		6cp

Spring semester

27362	Industry Project 2	6cp
27116	e-Marketing and Management of Services	6cp
27345	Creating Event Experiences	6cp

Select 6 credit points of electives 6cp

Typical full-time program, Spring commencing

Year 1

Spring semester

27703	Event Management	6cp
27326	Diversity Management	6cp
21129	Managing People and Organisations	6cp
22107	Accounting for Business Decisions A	6cp

Year 2

Autumn semester

27344	Research Foundations for Leisure Sport and Tourism	6cp
27126	Event and Leisure Industries	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
24108	Marketing Foundations	6cp

Spring semester

27628	Law for Leisure, Sport and Tourism	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

27361	Industry Project 1	6cp
27115	Arts and Entertainment Industries	6cp
27192	Event Impacts and Legacies	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp

Spring semester

27362	Industry Project 2	6cp
27116	e-Marketing and Management of Services	6cp
27345	Creating Event Experiences	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

27216	Venue Management	6cp
23115	Economics for Business	6cp

Select 12 credit points of electives 12cp

Levels of award

The Bachelor of Management in Events and Leisure may be awarded with distinction, credit or pass.

Honours

The Bachelor of Management (Honours) in Events and Leisure (C09005) (see page 112) is available to eligible students with an additional one year of full-time or two years of part-time study.

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

www.business.uts.edu.au

C10040v8 Bachelor of Management in Tourism

Award(s): Bachelor of Management in Tourism (BM)
UAC code: 601085 (Autumn semester, Spring semester)
CRICOS code: 000383B
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Overview

The Bachelor of Management in Tourism provides students with a strong understanding of the distinctive features of tourism and the tourism industry, with the knowledge and range of skills that provide the flexibility to manage effectively in an environment of significant growth and change. The course also develops students' understanding of tourism as an increasingly important social phenomenon, in order to foster a critical approach to this field of study.

The course takes a broad approach studying the phenomenon of tourism and tourists, the society in which tourism takes place, the relationship of tourism to sustainability and the role of the different tourism industry sectors. The course develops ethical, professional values and skills for working in the various fields of tourism, such as, strategic management, marketing, research and policy.

Career options

Career options include management, marketing and policy-analysis roles in national and regional tourism offices, hotels, airlines, tour operations, tourist attractions and events.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers should submit a personal statement to UTS by 29 November 2013.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English.

Credit recognition

Students may apply for credit recognition in subjects in which they consider themselves eligible. Equivalence of subject matter is the main criterion for credit recognition in a subject successfully completed at another institution.

Course duration and attendance

The course is taught on a full-time basis. The normal time for completion is three years. Students should be aware that they may be required to attend evening classes.

This course is offered at Kuring-gai campus only.

Course structure

All students must complete a total of 144 credit points made up of 24 subjects, comprising 20 core and four elective subjects.

The electives (totalling 24 credit points) are to be chosen from a prescribed list of subjects in events, leisure, sport, tourism or arts management. The four electives chosen from the prescribed list may comprise an Event Management or Sport Management sub-major.

With the approval of the undergraduate program director, two of the four electives may be chosen from outside the prescribed list of subjects.

Industrial training/professional practice

The course has an extensive compulsory internship program and a capstone industry-based project.

Course completion requirements

STM90289	Core subjects	120cp
CBK90376	Sub-major/Four electives	24cp
		Total 144cp

Course program

Typical full-time programs are provided below, showing a suggested study sequence for students undertaking the course full time for both Autumn and Spring semester commencements.

Typical full-time program, Autumn commencing

Year 1

Autumn semester

24108	Marketing Foundations	6cp
23115	Economics for Business	6cp
27184	Dimensions of Tourism	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp

Spring semester

22107	Accounting for Business Decisions A	6cp
21129	Managing People and Organisations	6cp
27648	The Tourism Business	6cp
27327	Tourism and Sustainability	6cp

Year 2

Autumn semester

27185	The Tourist Experience	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
27642	Tourism Marketing	6cp
Select 6 credit points of electives		6cp

Spring semester

27628	Law for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

27361	Industry Project 1	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27523	Planning for Sustainable Destinations	6cp
Select 6 credit points of electives		6cp

Spring semester

27116	e-Marketing and Management of Services	6cp
27348	Critical Issues in Global Tourism	6cp
27362	Industry Project 2	6cp
Select 6 credit points of electives		6cp

Typical full-time program, Spring commencing

Year 1

Spring semester

27648	The Tourism Business	6cp
27327	Tourism and Sustainability	6cp
22107	Accounting for Business Decisions A	6cp
21129	Managing People and Organisations	6cp

Year 2

Autumn semester

27184	Dimensions of Tourism	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
24108	Marketing Foundations	6cp

Spring semester

27628	Law for Leisure, Sport and Tourism	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

27361	Industry Project 1	6cp
27185	The Tourist Experience	6cp
27642	Tourism Marketing	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp

Spring semester

27362	Industry Project 2	6cp
27116	e-Marketing and Management of Services	6cp
27348	Critical Issues in Global Tourism	6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

27523	Planning for Sustainable Destinations	6cp
23115	Economics for Business	6cp
Select 12 credit points of electives		12cp

Levels of award

The Bachelor of Management in Tourism may be awarded with distinction, credit or pass.

Honours

The Bachelor of Management (Honours) in Tourism (C09007) (see page 112) is available to eligible students with an additional year of full-time study, or two years of part-time study.

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

www.business.uts.edu.au

C10044v7 Bachelor of Management in Tourism Bachelor of Arts in International Studies

Award(s): Bachelor of Management in Tourism (BM)
Bachelor of Arts in International Studies (BA)
UAC code: 609110 (Autumn semester)
CRICOS code: 026190G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: Kuring-gai campus

Overview

This degree program develops understanding of tourism as an increasingly important social phenomenon in order to foster a critical approach to this field of study. The course combines a professional degree with immersion in another language and culture, enhancing professional training and career options.

The course is distinctive in six ways: it follows a broad and holistic approach to the study of tourism; it is interdisciplinary, in that it makes use of systems theory to create a framework for subsequent interdisciplinary description, analysis and inquiry; it gives full coverage to all of the tourism sector; it has a practical hands-on component; it has an industry experience component that includes a minimum of 10 weeks' work experience; and it provides the opportunity to live and study in another country.

Course aims

The degree provides students with a strong understanding of the distinctive features of tourism and the tourism industry, with the knowledge and skills to manage effectively in an environment of significant growth and change, while at the same time providing an opportunity to acquire knowledge and understanding of another language and culture.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Career options

Career options include management, marketing and policy analysis roles in such areas as airlines, hotels, regional planning and development, special events, tour operations and tourist attractions. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Management in Tourism (C10040) (see page 137). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Credit recognition

For credit recognition details, see the Bachelor of Management in Tourism (C10040) (see page 137).

Course duration and attendance

The course is offered as a full-time program over five years. Students may be required to attend some evening classes and undertake a minimum of 10 weeks' industry-related work experience during the course. Students spend two semesters of study at a university or other higher education institution in the country of their major. The international studies component of the course is mainly offered at City campus.

Course structure

Students must complete 240 credit points of study, comprising 144 credit points relating to management in tourism and 96 credit points relating to international studies. For full details of the Bachelor of Management in Tourism component of the combined degree, refer to the Bachelor of Management in Tourism (C10040) (see page 137). The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

This course has a professional internship component that includes a minimum of six weeks' work experience.

Course completion requirements

CBK90005	Country major choice	96cp
STM90289	Core subjects	120cp
CBK90190	Electives	24cp
		Total 240cp

Course program

The typical program shown below is for a full-time student who has chosen the Germany major as their international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Year 1

Autumn semester

24108	Marketing Foundations	6cp
23115	Economics for Business	6cp
27184	Dimensions of Tourism	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp

Spring semester

21129	Managing People and Organisations	6cp
22107	Accounting for Business Decisions A	6cp
27327	Tourism and Sustainability	6cp
27648	The Tourism Business	6cp

Year 2

Autumn semester

27344	Research Foundations for Leisure Sport and Tourism	6cp
27642	Tourism Marketing	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

27116	e-Marketing and Management of Services	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
97602	German Language and Culture 2	8cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

27185	The Tourist Experience	6cp
27523	Planning for Sustainable Destinations	6cp
97603	German Language and Culture 3	8cp
Select 6 credit points of electives		6cp

Spring semester

27628	Law for Leisure, Sport and Tourism	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

27361	Industry Project 1	6cp
27350	Professional Internship (Capstone)	6cp
Select 6 credit points of electives		6cp

Spring semester

27362	Industry Project 2	6cp
27348	Critical Issues in Global Tourism	6cp
Select 6 credit points of electives		6cp

Other information

Further information on the business component is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

www.business.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10045v9 Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies

Award(s): Bachelor of Management in Events and Leisure (BM)
Bachelor of Arts in International Studies (BA)
UAC code: 609090 (Autumn semester)
CRICOS code: 026189A
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: Kuring-gai campus

Overview

The Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies is offered jointly by UTS: Business and UTS: International Studies. The degree integrates leisure management with a major in the language and culture of another country.

Course aims

Graduates of this program develop theoretical knowledge and skills relevant to the organisation, research, planning, administration, marketing and equitable distribution of leisure services, and at the same time have an opportunity to acquire knowledge and understanding of another language and culture.

Career options

Career options include activities and cultural events coordinator at a university or college, manager or administrator in leisure, tourism, sports, entertainment or the arts, marketing of sport and leisure, outdoor recreation promotion, and recreation planner/manager in local government. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Management in Events and Leisure (C10039) (see page 136). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Credit recognition

For credit recognition, see the Bachelor of Management in Events and Leisure (C10039) (see page 136).

Course duration and attendance

The course is offered as a full-time program over five years. Students may be required to attend some evening classes and undertake a minimum of 10 weeks' industry-related work experience during the course. Students spend two semesters of study at a university or other higher education institution in the country of their major. The international studies component of the course is mainly offered at City campus.

Course structure

Students must complete 240 credit points of study, comprising 144 credit points relating to management in events and leisure and 96 credit points relating to international studies. For full details of the Bachelor of Management in Events and Leisure component of the combined degree, refer to the Bachelor of Management in Events and Leisure (C10039) (see page 136). The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

This course has a professional internship component that includes a minimum of six weeks' work experience.

Course completion requirements

CBK90005	Country major choice	96cp
STM90288	Core subjects	120cp
CBK90190	Electives	24cp
		Total 240cp

Course program

The typical program shown below is for a full-time student who has chosen the Germany major as their international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Typical full-time program

Year 1

Autumn semester

24108	Marketing Foundations	6cp
23115	Economics for Business	6cp
27126	Event and Leisure Industries	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp

Spring semester

21129	Managing People and Organisations	6cp
27326	Diversity Management	6cp
27703	Event Management	6cp
22107	Accounting for Business Decisions A	6cp

Year 2

Autumn semester

27344	Research Foundations for Leisure Sport and Tourism	6cp
27115	Arts and Entertainment Industries	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

27116	e-Marketing and Management of Services	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
97602	German Language and Culture 2	8cp
	Select 6 credit points of electives	6cp

Year 3

Autumn semester

27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27192	Event Impacts and Legacies	6cp
97603	German Language and Culture 3	8cp
	Select 6 credit points of electives	6cp

Spring semester

27628	Law for Leisure, Sport and Tourism	6cp
27216	Venue Management	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

27361	Industry Project 1	6cp
27350	Professional Internship (Capstone)	6cp
Select 6 credit points of electives		6cp

Spring semester

27362	Industry Project 2	6cp
27345	Creating Event Experiences	6cp
Select 6 credit points of electives		6cp

Other information

Further information on the business component is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

www.business.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10048v6 Bachelor of Management in Tourism and Hospitality

Award(s): Bachelor of Management in Tourism and Hospitality (BM)
UAC code: 601095 (Autumn semester)
CRICOS code: 040685A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Note(s)

This course is not offered to recent school leavers. Specific prior study conditions apply.

Overview

This course is a pathway program developed in conjunction with TAFE NSW. It explores the collaborative linkages and networks that are an integral part of the tourism industry and which need to be managed so that a hospitality organisation achieves its stated objectives. Strategies to ensure the sustainability of a destination's tourism product and marketing / management effort are highlighted.

The course broadens students' understanding of the hospitality sector's role in tourism. It highlights tourism-related environmental factors that influence and are affected by hospitality operations. The course develops ethical, professional values and skills for working in tourism and hospitality.

Course aims

The UTS component of the course seeks to build on the vocational skills and knowledge acquired by students in the hospitality management courses offered by TAFE NSW.

Career options

Career options include hotel and resort management, research and policy development for government tourism authorities, destination management and marketing, wholesaling and tour operations.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Applicants must have completed either the Advanced Diploma of Hospitality from TAFE NSW, or the Advanced Diploma in Hospitality Management and the Advanced Diploma in Tourism Management from Kenvale College of Tourism and Hospitality Management.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Commonwealth-supported place applicants are assessed as non-current school leaver students through the Universities Admissions Centre.

International students

Overseas full-fee-paying students are admitted through UTS International provided they meet the applicable English language requirements for UTS courses.

Assumed knowledge

Any two units of English.

External articulation

Applicants must have either the Advanced Diploma of Hospitality from TAFE NSW at credit level or higher, or the Advanced Diploma in Hospitality from Kenvale College at credit level or higher (credit recognition is being reviewed and subject to variation). Successful applicants are granted credit recognition for advanced diploma studies, and must complete 72 credit points to attain the degree.

Course duration and attendance

The course duration is one-and-a-half years of full-time study (following completion of the Advanced Diploma of Hospitality from TAFE NSW prior to entry) if students commence the course in Autumn semester.

This course is offered at Kuring-gai campus only.

Course structure

Students from the Advanced Diploma of Hospitality receive a block exemption of 72 credit points for their hospitality studies. Completion of a further 72 credit points (as listed in the course program) leads to the award of the Bachelor of Management in Tourism and Hospitality.

Course completion requirements

CBK90525	Electives (TAFE articulation)	72cp
STM90723	Core subjects	72cp
		Total 144cp

Course program

A typical course program for students who need to complete 72 credit points is shown below.

Year 1

Autumn semester

27184	Dimensions of Tourism	6cp
27185	The Tourist Experience	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp

Spring semester

27116	e-Marketing and Management of Services	6cp
27327	Tourism and Sustainability	6cp
27648	The Tourism Business	6cp
27348	Critical Issues in Global Tourism	6cp

Year 2

Autumn semester

27523	Planning for Sustainable Destinations	6cp
27642	Tourism Marketing	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
23115	Economics for Business	6cp

Levels of award

The Bachelor of Management in Tourism and Hospitality may be awarded with distinction, credit or pass.

Other information

Further information is available from UTS: Business on:

telephone 1300 ask UTS (1300 275 887) or +61 2 9514 1222

www.business.uts.edu.au

C10061v6 Bachelor of Engineering Diploma in Engineering Practice

Award(s): Bachelor of Engineering in (name of Engineering major)
Diploma in Engineering Practice (BE DipEngPrac)
UAC code: 603005 (Civil and Environmental Engineering) (Autumn semester, Spring semester), 603015 (Civil Engineering) (Autumn semester), 603018 (Civil Engineering (Structures)) (Autumn semester), 603025 (ICT Engineering (Computer Systems)) (Autumn semester, Spring semester), 603035 (Electrical Engineering) (Autumn semester, Spring semester), 603055 (Mechanical Engineering) (Autumn semester, Spring semester), 603060 (ICT Engineering) (Autumn semester, Spring semester), 603065 (ICT Engineering (Telecommunications)) (Autumn semester, Spring semester), 603085 (ICT Engineering (Software)) (Autumn semester, Spring semester), 603095 (Civil Engineering (Construction)) (Autumn semester), 603105 (General degree, no major) (Autumn semester), 603115 (Mechanical and Mechatronic Engineering) (Autumn semester, Spring semester), 603125 (Innovation Engineering) (Autumn semester, Spring semester), 603130 (Biomedical Engineering) (Autumn semester, Spring semester)
CRICOS code: 025003B
Commonwealth-supported place?: Yes
Load credit points: 204
Course EFTSL: 4.25
Location: City campus

Overview

This program is a comprehensive preparation for careers in the professional practice of engineering. Students learn to deal with complex systems and manage large-scale projects using the most appropriate emerging technologies.

The course offers an authentic, professionally focused and practice-based education program with two semesters of internship (normally paid) in a real workplace setting. A number of the areas of study are available with explicit specialisations. For example, ICT Engineering is available with sub-majors in Software, Computer Systems and Telecommunications. Civil Engineering is available with specialisations in Structures and Construction. Students can also focus on or broaden their studies by completing electives. By appropriate choice of electives, students can gain knowledge in a second engineering discipline, obtain a sub-major in a different field or study postgraduate degree subjects and apply for credit towards an engineering master's degree.

Course aims

The course aims to equip graduates with the skills and attributes needed for professional practice and leadership. It is based on the themes of academic development, personal development and professional formation. It provides sound foundations in engineering theory, technical expertise and knowledge of professional practice, while also developing academic literacy, advocacy skills and social awareness so that graduates become lifelong learners and effective citizens in many different capacities. The concept has been strongly endorsed in wide-ranging industry consultations. Interaction between work experience and academic curriculum is very strong, giving the program a depth that no other full-time academic course can match.

Career options

Career options depend on the major chosen.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Current school leavers are advised to submit an Engineering HSC Bonus Scheme Questionnaire to UTS by 29 November 2013.

Non-current school leavers are advised to complete the employment question on their UAC application and provide supporting statements of employment to UAC, as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Applicants who successfully complete a recognised pathway program are eligible to apply.

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

Full-time students normally complete the program in five years, which includes four years of study plus two periods of engineering internship in the workplace totalling at least 48 weeks. The internship is typically taken in the third or fourth semester and again in the seventh or eighth.

It is possible to complete the program entirely on a part-time basis, with continuous concurrent employment, by enrolling at half the full-time rate, however this is not recommended. Students wishing to make extensive use of part-time attendance are strongly encouraged to negotiate with their employers for at least two full-time semesters of study somewhere through the program.

Course structure

A total of 204 credit points is required for graduation, distributed in the following way:

- core program: 48 credit points
- engineering practice program: 12 credit points, plus 48 weeks of approved internship
- fields of practice (including a major capstone project): 120 credit points (credit points may vary depending on major), and
- electives (within this component students may undertake a faculty-approved sub-major totalling 24 credit points): 24 credit points (credit points may vary depending on sub-major). Students in the Civil Engineering major, Structures stream are recommended to complete 12 credit points of electives from approved postgraduate structural engineering subjects.

From 2014, students commencing or transferring into the Mechanical and Mechatronics Engineering major or the Civil and Environmental Engineering major are required to select one specialist stream in their area of study in place of the electives.

The degree may be taken with a designated major which students usually select at entry. Opportunities exist in later years for students to apply to change majors. Students may choose not to take a major and instead take a general program comprising subjects from different areas of engineering which must be approved by the director of UTS: Engineering undergraduate programs.

The Diploma in Engineering Practice is not offered separately.

Industrial training/professional practice

The Diploma in Engineering Practice requires the completion of two six-month internships and the Engineering Practice Program. Completing 12 months of relevant engineering experience before graduating enables students to link learning in the workplace and learning at University, with each experience enhancing the other.

Course completion requirements

Select one of the following:			24cp
CBK90011	Electives	24cp	
STM90848	Civil and Enviromental Engineering specialist stream	24cp	
STM90849	Mechanical and Mechatronic Engineering specialist stream	24cp	
STM90106	Core subjects		48cp
STM90271	Engineering practice program		12cp
CBK90173	Major choice		120cp
			Total 204cp

Course program

Most of the subjects are offered in both Autumn and Spring semesters, sometimes as day classes and sometimes as evening classes. The programs provided below for each major show a suggested sequence for students undertaking the course full time for Autumn commencement. This sequence may be impacted in future semesters by course changes, subject availability, or satisfactory academic progress. Internships may be taken in semesters other than those shown, but this may lengthen the time required to complete the course. The program for students undertaking the Civil Engineering major beyond Year 1 depends on which specialisation is chosen.

List of majors

CBK90010	No specified major	120cp
MAJ03001	Civil Engineering	120cp
MAJ03002	Civil and Environmental Engineering	120cp
MAJ03005	Electrical Engineering	120cp
MAJ03007	Mechanical Engineering	120cp
MAJ03012	Mechanical and Mechatronic Engineering	120cp
MAJ03446	ICT Engineering	120cp
MAJ03029	Innovation Engineering	120cp
MAJ03472	Biomedical Engineering	120cp

Biomedical Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
65111	Chemistry 1	6cp

Select one subject from the following:			6cp
48441	Introductory Digital Systems	6cp	
48622	Mechatronics 1	6cp	

Select one subject from the following:			6cp
48023	Programming Fundamentals	6cp	
48221	Engineering Computations	6cp	

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48240	Design and Innovation Fundamentals	6cp
91161	Cell Biology and Genetics	6cp
31271	Database Fundamentals	6cp
91400	Human Anatomy and Physiology	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48520	Electronics and Circuits	6cp
48541	Signal Theory	6cp
91703	Physiological Systems	6cp
48122	Engineering Practice Review 1	3cp

Spring semester

48260	Engineering Project Management	6cp
41101	Fundamentals of Biomedical Engineering	6cp
91705	Medical Devices and Diagnostics	6cp

Select 6 credit points from the following options:			6cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	

Year 4

Autumn semester

48270	Entrepreneurship and Commercialisation	6cp
48141	Engineering Practice Preview 2	3cp

Select 18 credit points from the following options:			18cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48016	Capstone Project Part A	6cp
48142	Engineering Practice Review 2	3cp

Select 6 credit points from the following options:			6cp
41105	Biomedical Signal and Image Processing	6cp	
42001	Bioinformatics	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
49261	Biomedical Instrumentation	6cp	
Select 12 credit points of electives			12cp

Spring semester

48026	Capstone Project Part B	6cp

Select 6 credit points from the following options:			6cp
41105	Biomedical Signal and Image Processing	6cp	
42001	Bioinformatics	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
49261	Biomedical Instrumentation	6cp	
Select 12 credit points of electives			12cp

Civil Engineering major, Autumn commencing, full time

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
48320	Surveying	6cp
33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48330	Soil Behaviour	6cp
48349	Structural Analysis	6cp
48352	Construction Materials	6cp
48122	Engineering Practice Review 1	3cp

Spring semester

48260	Engineering Project Management	6cp
48353	Concrete Design	6cp
48641	Fluid Mechanics	6cp
48370	Road and Transport Engineering	6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2	3cp
48270	Entrepreneurship and Commercialisation	6cp
48350	Environmental and Sanitation Engineering	6cp
48360	Geotechnical Engineering	6cp

Select 6 credit points of electives 6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48142	Engineering Practice Review 2	3cp
48016	Capstone Project Part A	6cp
48366	Steel and Timber Design	6cp

Select 12 credit points of electives 12cp

Spring semester

48362	Hydraulics and Hydrology	6cp
48389	Computer Modelling and Design	6cp
48026	Capstone Project Part B	6cp

Select 6 credit points of electives 6cp

Civil Engineering major, Construction specialisation, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
48320	Surveying	6cp
33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48121	Engineering Practice Preview 1	3cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48330	Soil Behaviour	6cp
48349	Structural Analysis	6cp
48352	Construction Materials	6cp
48122	Engineering Practice Review 1	3cp

Spring semester

48260	Engineering Project Management	6cp
48353	Concrete Design	6cp
48641	Fluid Mechanics	6cp
16265	Construction Technology 2	6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2	3cp
48360	Geotechnical Engineering	6cp
16912	Site Management	6cp

Select 12 credit points of electives 12cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48362	Hydraulics and Hydrology	6cp
48142	Engineering Practice Review 2	3cp
48016	Capstone Project Part A	6cp

Select 6 credit points from the following options: 6cp

16314	Construction Technology 3	6cp
16422	Construction Technology 4	6cp
16913	Time and Quality Management	6cp
48850	Environmental Planning and Law	6cp
48370	Road and Transport Engineering	6cp

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48026	Capstone Project Part B	6cp

Select 6 credit points from the following options: 6cp

16314	Construction Technology 3	6cp
16422	Construction Technology 4	6cp
16913	Time and Quality Management	6cp
48850	Environmental Planning and Law	6cp
48370	Road and Transport Engineering	6cp

Select 6 credit points of electives 6cp

Civil Engineering major, Structures specialisation, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
48320	Surveying	6cp
33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48330	Soil Behaviour	6cp
48349	Structural Analysis	6cp
48352	Construction Materials	6cp
48122	Engineering Practice Review 1	3cp

Spring semester

48260	Engineering Project Management	6cp
48353	Concrete Design	6cp
48641	Fluid Mechanics	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2		3cp
48270	Entrepreneurship and Commercialisation		6cp
48360	Geotechnical Engineering		6cp
Select 6 credit points from the following options:			6cp
48350	Environmental and Sanitation Engineering	6cp	
48370	Road and Transport Engineering	6cp	
Select 6 credit points of electives			6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48371	Advanced Engineering Computing	6cp
48016	Capstone Project Part A	6cp
48366	Steel and Timber Design	6cp
48142	Engineering Practice Review 2	3cp
Select 6 credit points of electives		6cp

Spring semester

48362	Hydraulics and Hydrology	6cp
48389	Computer Modelling and Design	6cp
48026	Capstone Project Part B	6cp
Select 6 credit points of electives		6cp

Civil and Environmental Engineering major, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48230	Engineering Communication	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
33230	Mathematical Modelling 2	6cp
65111	Chemistry 1	6cp
48221	Engineering Computations	6cp

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48240	Design and Innovation Fundamentals	6cp
48821	Ecological Engineering	6cp
48320	Surveying	6cp
48331	Mechanics of Solids	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48352	Construction Materials	6cp
48641	Fluid Mechanics	6cp
48840	Water Supply and Wastewater Engineering	6cp
48122	Engineering Practice Review 1	3cp

Spring semester

48260	Engineering Project Management	6cp
48349	Structural Analysis	6cp
48860	Pollution Control and Waste Management	6cp
48362	Hydraulics and Hydrology	6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2	3cp
48330	Soil Behaviour	6cp
48270	Entrepreneurship and Commercialisation	6cp
41011	Environmental Chemical Processes	6cp
48353	Concrete Design	6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48370	Road and Transport Engineering	6cp
48016	Capstone Project Part A	6cp
48142	Engineering Practice Review 2	3cp
48850	Environmental Planning and Law	6cp
48360	Geotechnical Engineering	6cp

Spring semester

48026	Capstone Project Part B	6cp
41010	Energy and Water	6cp
48881	Water and Environmental Design	6cp
48366	Steel and Timber Design	6cp

Electrical Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48240	Design and Innovation Fundamentals	6cp
48430	Embedded C	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
48122	Engineering Practice Review 1	3cp
Select 6 credit points of electives		6cp

Spring semester

48260	Engineering Project Management	6cp
Select 12 credit points from the following options:		12cp
48451	Advanced Digital Systems	6cp
48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

48270	Entrepreneurship and Commercialisation	6cp
48141	Engineering Practice Preview 2	3cp
Select one subject from the following:		6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp
Select one subject from the following:		6cp
48451	Advanced Digital Systems	6cp
48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
Select 6 credit points of electives		6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48016	Capstone Project Part A		6cp
48142	Engineering Practice Review 2		3cp
Select two subjects from the following:			12cp
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48582	Power Systems Analysis and Design	6cp	
Select one subject from the following:			6cp
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Spring semester

48026	Capstone Project Part B		6cp
Select 12 credit points from the following options:			12cp
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48551	Analog Electronics	6cp	
48583	Power Systems Operation and Protection	6cp	
49274	Advanced Robotics	6cp	
Select 6 credit points of electives			6cp

ICTE major, Computer Systems sub-major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48520	Electronics and Circuits	6cp
48541	Signal Theory	6cp
48121	Engineering Practice Preview 1	3cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48250	Engineering Economics and Finance		6cp
48430	Embedded C		6cp
48451	Advanced Digital Systems		6cp
48122	Engineering Practice Review 1		3cp
Select 6 credit points from the following options:			6cp
CBK90366	ICT choice	18cp	

Spring semester

48260	Engineering Project Management		6cp
48434	Embedded Software		6cp
48570	Data Acquisition and Distribution		6cp
Select 6 credit points from the following options:			6cp
CBK90366	ICT choice	18cp	

Year 4

Autumn semester

48141	Engineering Practice Preview 2		3cp
48270	Entrepreneurship and Commercialisation		6cp
48450	Real-time Operating Systems		6cp
Select 6 credit points from the following options:			6cp
CBK90366	ICT choice	18cp	
Select 6 credit points of electives			6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48471	ICT Analysis	6cp
48016	Capstone Project Part A	6cp
48142	Engineering Practice Review 2	3cp
Select 6 credit points of electives		6cp

Spring semester

48481	ICT Design	6cp
48026	Capstone Project Part B	6cp
Select 12 credit points of electives		12cp

ICTE major, Software Engineering sub-major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48024	Applications Programming	6cp
48240	Design and Innovation Fundamentals	6cp
48541	Signal Theory	6cp
48441	Introductory Digital Systems	6cp
48121	Engineering Practice Preview 1	3cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48122	Engineering Practice Review 1		3cp
48250	Engineering Economics and Finance		6cp
48430	Embedded C		6cp
48440	Software Engineering Practice		6cp
Select 6 credit points from the following options:			6cp
CBK90366	ICT choice	18cp	

Spring semester

48434	Embedded Software		6cp
48433	Software Architecture		6cp
48260	Engineering Project Management		6cp
Select 6 credit points from the following options:			6cp
CBK90366	ICT choice	18cp	

Year 4

Autumn semester

48141	Engineering Practice Preview 2		3cp
48270	Entrepreneurship and Commercialisation		6cp
48450	Real-time Operating Systems		6cp
Select 6 credit points from the following options:			6cp
CBK90366	ICT choice	18cp	
Select 6 credit points of electives			6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48471	ICT Analysis	6cp
48016	Capstone Project Part A	6cp
48142	Engineering Practice Review 2	3cp

Select 6 credit points of electives 6cp

Spring semester

48481	ICT Design	6cp
48026	Capstone Project Part B	6cp

Select 12 credit points of electives 12cp

ICTE major, Telecommunications Eng sub-major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48541	Signal Theory	6cp
48740	Communications Networks	6cp
48121	Engineering Practice Preview 1	3cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48122	Engineering Practice Review 1	3cp
48250	Engineering Economics and Finance	6cp
48730	Network Security	6cp
48770	Continuous Communications	6cp

Select 6 credit points from the following options: 6cp
CBK90366 ICT choice 18cp

Spring semester

48260	Engineering Project Management	6cp
48750	Network Planning and Management	6cp
48771	Discrete Communications	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2	3cp
48270	Entrepreneurship and Commercialisation	6cp
48780	Mobile Communications	6cp

Select 12 credit points from the following options: 12cp
CBK90366 ICT choice 18cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48016	Capstone Project Part A	6cp
48471	ICT Analysis	6cp
48142	Engineering Practice Review 2	3cp

Select 6 credit points of electives 6cp

Spring semester

48481	ICT Design	6cp
48026	Capstone Project Part B	6cp

Select 12 credit points of electives 12cp

Mechanical Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48510	Introduction to Electrical Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48240	Design and Innovation Fundamentals	6cp
48621	Manufacturing Engineering	6cp
48331	Mechanics of Solids	6cp
48221	Engineering Computations	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48122	Engineering Practice Review 1	3cp
48600	Mechanical Design 1	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2	3cp
48260	Engineering Project Management	6cp
48663	Advanced Manufacturing	6cp
48601	Mechanical Vibration and Measurement	6cp
48661	Heat Transfer	6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48670	Mechanical and Mechatronic Design	6cp
48016	Capstone Project Part A	6cp
48142	Engineering Practice Review 2	3cp

Select 12 credit points of electives 12cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48026	Capstone Project Part B	6cp

Select 12 credit points of electives 12cp

Mechanical and Mechatronic Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48510	Introduction to Electrical Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp

Year 2

Autumn semester

48121	Engineering Practice Preview 1	3cp
48240	Design and Innovation Fundamentals	6cp
48520	Electronics and Circuits	6cp
48331	Mechanics of Solids	6cp
48640	Machine Dynamics	6cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48600	Mechanical Design 1	6cp
48622	Mechatronics 1	6cp
48651	Thermodynamics	6cp
48641	Fluid Mechanics	6cp
48122	Engineering Practice Review 1	3cp

Spring semester

48623	Mechatronics 2	6cp
48642	Strength of Engineering Materials	6cp
48660	Dynamics and Control	6cp
48250	Engineering Economics and Finance	6cp

Year 4

Autumn semester

48141	Engineering Practice Preview 2	3cp
48260	Engineering Project Management	6cp
41012	Programming for Mechatronic Systems	6cp
48650	Mechanical Design 2	6cp
48531	Electromechanical Automation	6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

48016	Capstone Project Part A	6cp
41013	Robotics	6cp
48142	Engineering Practice Review 2	3cp
41014	Sensors and Control for Mechatronic Systems	6cp
48661	Heat Transfer	6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48026	Capstone Project Part B	6cp
48670	Mechanical and Mechatronic Design	6cp

Select 6 credit points of electives 6cp

Levels of award

The Bachelor of Engineering Diploma in Engineering Practice may be awarded with first or second class honours for meritorious performance in the course as a whole.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, South Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). The Diploma in Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10062v4 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice

Award(s): Bachelor of Engineering in (name of Engineering major)
Diploma in Engineering Practice (BE DipEngPrac)
Bachelor of Arts in International Studies (BA)
CRICOS code: 043948C
Commonwealth-supported place?: Yes
Load credit points: 252
Course EFTSL: 5.25
Location: City campus

Overview

This combined degree, offered jointly by UTS: Engineering and UTS: International Studies, links the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) with the study of a language and culture other than English.

This combined degree offers a shortened version of the Bachelor of Arts International Studies together with a shortened version of the Bachelor of Engineering Diploma of Engineering Practice. Students who choose this course have less opportunity to elect specialist areas of study. On completion, students receive separate testamurs for each degree.

Course aims

The purpose of the program is to develop skills for leadership in the professional practice of engineering while at the same time providing an opportunity to acquire knowledge and understanding of another language and culture. It reflects a belief in the international character of engineering, and the conviction that Australian professionals can benefit from the early development of an international perspective and a fluency in cross-cultural interactions.

Career options

Career options depend on the major chosen. Options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Engineering (C10067) (see page 155).

There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 2 December.

Non-current school leavers are advised to complete the employment question on their UAC application as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course duration is normally six years of full-time study, although it may be possible to complete the degree in less time than this.

The program involves four years of academic work in Australia, one year of academic work overseas and two periods of engineering internship. The periods of engineering internship can be taken in Australia, or one in Australia and one overseas.

Course structure

The course comprises a total of 252 credit points, made up of 156 credit points relating to engineering and 96 credit points relating to international studies. The Bachelor of Arts in International Studies requires students to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program. The engineering component of this degree is made up of subjects selected from the engineering core, the engineering practice program and the engineering fields of practice (majors) subjects. The international studies component is made up of subjects in language and culture, foundations in international studies, and contemporary society, and study undertaken in the country of the student's chosen international studies major.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Students undertake a minimum of 48 weeks of engineering internship. Some students choose to take their first period of engineering internship overseas, during their second or third year of enrolment. Most take this first period in Australia. This course is also available without the Diploma in Engineering Practice. For details, refer to the Bachelor of Engineering Bachelor of Arts in International Studies (C10063) (see page 150).

Course completion requirements

CBK90005	Country major choice	96cp
STM90107	Core subjects (Engineering)	42cp
STM90271	Engineering practice program	12cp
CBK90174	Major choice (Engineering)	102cp
		Total 252cp

Course program

The example program below is for a full-time, Autumn-commencing student with electrical engineering as the engineering major and Germany as the international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major. For further information, contact the appropriate UTS Student Centre.

List of majors

CBK90053	No specified major	102cp
MAJ03013	Civil Engineering	102cp
MAJ03014	Civil and Environmental Engineering	102cp
MAJ03017	Electrical Engineering	102cp
MAJ03019	Mechanical Engineering	102cp
MAJ03448	ICT Engineering	102cp

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48510	Introduction to Electrical Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp

Year 2

Autumn semester

976001	Foundations in International Studies	8cp
48121	Engineering Practice Preview 1	3cp
97601	German Language and Culture 1	8cp
48530	Circuit Analysis	6cp

Spring semester

48110	Engineering Experience 1	0cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
48122	Engineering Practice Review 1	3cp
48430	Embedded C	6cp
48531	Electromechanical Automation	6cp

Spring semester

68038	Advanced Mathematics and Physics	6cp
48240	Design and Innovation Fundamentals	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

48260	Engineering Project Management	6cp
48141	Engineering Practice Preview 2	3cp
48250	Engineering Economics and Finance	6cp

Select 12 credit points from the following options: 12cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 6

Autumn semester

48142	Engineering Practice Review 2	3cp
48540	Signals and Systems	6cp
48016	Capstone Project Part A	6cp

Select 12 credit points from the following options: 12cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Spring semester

48026	Capstone Project Part B	6cp

Select 12 credit points from the following options: 12cp

49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Levels of award

The Bachelor of Engineering Diploma in Engineering Practice may be awarded with first or second class honours for meritorious performance in the course as a whole.

Transfer between UTS courses

It is not possible to complete either degree at an intermediate point. However, a student unable for any reason to continue with international studies could transfer to the Bachelor of Engineering Diploma in Engineering Practice.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, South Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). The Diploma in Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10063v5 Bachelor of Engineering Bachelor of Arts in International Studies

Award(s): Bachelor of Engineering in (name of Engineering major) (BE)
Bachelor of Arts in International Studies (BA)
UAC code: 609032 (Autumn semester)
CRICOS code: 052693B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This combined degree, offered jointly by UTS: Engineering and UTS: International Studies, links the Bachelor of Engineering (C10067) (see page 155) with the study of a language and culture other than English.

This combined degree offers a shortened version of the Bachelor of Arts International Studies together with a shortened version of the Bachelor of Engineering. Students who choose this course have less opportunity to elect specialist areas of study. On completion, students receive separate testamurs for each degree.

Course aims

The purpose of the course is to develop skills for leadership in the professional practice of engineering while at the same time providing an opportunity to acquire knowledge and understanding of another language and culture. It reflects a belief in the international character of engineering and the conviction that Australian professionals can benefit from the early development of an international perspective and a fluency in cross-cultural interactions.

Career options

Career options depend on the major chosen. Options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Engineering (C10067) (see page 155).

There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 2 December.

Non-current school leavers are advised to complete the employment question on their UAC application as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course duration is normally five years of full-time study, although it may be possible to complete the degree in less time than this. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

The program comprises a total of 240 credit points, made up of 144 credit points relating to engineering and 96 credit points relating to international studies. The Bachelor of Arts in International Studies requires students to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program. The engineering component is made up of subjects selected from the engineering core and the engineering fields of practice (majors). The international studies component is made up of subjects in language and culture, foundations in international studies, and contemporary society, and study undertaken in the country of the student's chosen international studies major.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Students graduating without the Diploma in Engineering Practice are required to obtain the equivalent of at least 12 weeks exposure to professional engineering practice, preferably outside the university environment. For further details, refer to 48100 Professional Practice.

Course completion requirements

CBK90005	Country major choice	96cp
STM90107	Core subjects (Engineering)	42cp
CBK90174	Major choice (Engineering)	102cp
48100	Professional Practice (BE)	0cp
		Total 240cp

Course program

The program for this course is the same as that for the Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice (C10062) (see page 148), but without the two semester-long internships and associate Diploma in Engineering Practice subjects.

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Transfer between UTS courses

It is not possible to complete either degree at an intermediate point. However, a student unable for any reason to continue with international studies could transfer to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142).

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey).

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10065v9 Bachelor of Engineering Bachelor of Business

Award(s): Bachelor of Engineering in (name of Engineering major) (BE)
Bachelor of Business (BBus)
UAC code: 609350 (Autumn semester)
CRICOS code: 030574B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This combined degree is offered jointly by UTS: Engineering and UTS: Business. It allows students to complete the core and major components of both the engineering and business degrees, producing engineers with skills in commercialisation of technology innovation and business graduates with professional-level competency in technology use.

Students learn how engineering and business fit together, how to manage technology and innovation, and how to commercialise engineering innovations. For graduates choosing to practise as engineers, the business knowledge gained in this course will prove invaluable in providing a sound foundation for entrepreneurial initiatives and the commercialisation of engineering innovations.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Career options

Career options include working in a business career applying advanced technology in commercial settings or practising as an engineer where business knowledge helps to ensure success in commercialisation of engineering innovations. The course provides excellent training for senior management roles.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 2 December.

Non-current school leavers are advised to complete the employment question on their UAC application as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

To be admitted to this combined degree, applicants must achieve an ATAR rank no lower than five points below the rank for the Bachelor of Business single degree.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The program may be completed on a five-year, full-time or equivalent part-time basis.

Course structure

The program comprises a total of 240 credit points, made up of 150 credit points relating to the Bachelor of Engineering and 90 credit points relating to the Bachelor of Business. Students wishing to graduate from the engineering component of the combined degree prior to completion of the business component must have completed the business core subjects (STM90108) and at least 30 credit points from their chosen business major (CBK90169).

Industrial training/professional practice

Students graduating with a Bachelor of Engineering without the Diploma in Engineering Practice are required to obtain the equivalent of at least 12 weeks exposure to professional engineering practice. For further details, refer to 48100 Professional Practice.

Course completion requirements

STM90272	Core subjects (Engineering)	36cp
STM90108	Core subjects (Business)	42cp
CBK90169	Major choice (Business)	48cp
CBK90905	Major choice (Engineering)	114cp
48100	Professional Practice (BE)	0cp
		Total 240cp

Course program

A typical program for a student attending full time would be that shown for the Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice (C10068) (see page 160), but with semesters moved forward to replace the semesters in which students in the Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice undertake the Diploma in Engineering Practice.

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Transfer between UTS courses

Students wishing to transfer from the combined degree to the Bachelor of Business (C10026) (see page 132) single degree are required to apply for admission through UAC in the non-current school leaver category.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). Refer to the Bachelor of Business for details on professional recognition.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10066v4 Bachelor of Engineering Science

Award(s): Bachelor of Engineering Science in (name of Engineering major) (BEngSc)
CRICOS code: 033909D
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Local students are advised to refer to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142), which includes industry experience and provides a comprehensive preparation for a career in the engineering profession.

Overview

This course is an engineering technologist-level program which is similar in nature to the Bachelor of Engineering (C10067) (see page 155) but does not provide full professional engineering status.

This course provides students with the skills required at an engineering technologist level - and hence the ability to work with professional engineers - without developing full professional engineering competencies.

Career options

Career options include positions in engineering teams across the full spectrum of engineering activities. Specific career options depend on the major chosen.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course can be completed in three years of full-time study.

Course structure

A total of 144 credit points is required for graduation, distributed in the following way:

- core program (including the Project BEngSc): 42 credit points
- fields of practice (including a major BEngSc project): 84 credit points, and
- electives: 18 credit points.

The degree may be taken with a designated major which students usually select at entry. Opportunities exist in later years for students to apply to change majors. Students may choose not to take a major, instead taking a general program comprising subjects from different areas of engineering as approved by the director of UTS: Engineering Undergraduate Programs.

Course completion requirements

STM90356	Core subjects	36cp
CBK90228	Electives	18cp
48001	Project BEngSc	6cp
CBK90178	Major choice	84cp
		Total 144cp

Course program

Most subjects are offered in Spring and Autumn semesters, sometimes as day classes and sometimes as evening classes. The programs shown below for each major show a suggested sequence for students undertaking the course full time. The subjects taken in any one semester are determined by what is on offer and any subject requisites.

List of majors

MAJ03134	Civil Engineering	84cp
MAJ03139	Mechanical Engineering	84cp
MAJ03412	Civil and Environmental Engineering	84cp
MAJ03413	Electrical Engineering	84cp
MAJ03024	Innovation Engineering	84cp
MAJ03447	ICT Engineering	84cp
STM90357	No specified major	84cp

Civil Engineering major

Year 1

Autumn semester

48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp
68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp
48321	Engineering Mechanics	6cp
48320	Surveying	6cp

Year 2

Autumn semester

48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48641	Fluid Mechanics	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48340	Construction	6cp
48350	Environmental and Sanitation Engineering	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

48330	Soil Behaviour	6cp
48349	Structural Analysis	6cp
48352	Construction Materials	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp

Spring semester

48001	Project BEngSc	6cp
48353	Concrete Design	6cp
Select 12 credit points of electives		12cp

Civil and Environmental Engineering major

Year 1

Autumn semester

48230	Engineering Communication	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
33130	Mathematical Modelling 1	6cp
68037	Physical Modelling	6cp

Spring semester

65111	Chemistry 1	6cp
33230	Mathematical Modelling 2	6cp
48321	Engineering Mechanics	6cp
48320	Surveying	6cp

Year 2

Autumn semester

48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48641	Fluid Mechanics	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48340	Construction	6cp
48821	Ecological Engineering	6cp
48840	Water Supply and Wastewater Engineering	6cp

Year 3

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48330	Soil Behaviour	6cp
48352	Construction Materials	6cp
48850	Environmental Planning and Law	6cp

Spring semester

48001	Project BEngSc	6cp

Select 18 credit points of electives 18cp

Electrical Engineering major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48430	Embedded C	6cp
48531	Electromechanical Automation	6cp
48530	Circuit Analysis	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48540	Signals and Systems	6cp
68038	Advanced Mathematics and Physics	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

48572	Power Circuit Theory	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp

Select 6 credit points of electives 6cp

Spring semester

48001	Project BEngSc	6cp
48571	Electrical Machines	6cp
48560	Introductory Control	6cp

Select 6 credit points of electives 6cp

ICTE major, Computer Systems Engineering sub-major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48520	Electronics and Circuits	6cp
48541	Signal Theory	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48430	Embedded C	6cp
48451	Advanced Digital Systems	6cp

Select 6 credit points from the following options: 6cp

CBK90366 ICT choice 18cp

Year 3

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48434	Embedded Software	6cp
48570	Data Acquisition and Distribution	6cp

Select 6 credit points of electives 6cp

Spring semester

48001	Project BEngSc	6cp
48450	Real-time Operating Systems	6cp

Select 12 credit points of electives 12cp

ICTE major, Software Engineering sub-major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48024	Applications Programming	6cp
48441	Introductory Digital Systems	6cp
48240	Design and Innovation Fundamentals	6cp
48541	Signal Theory	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48430	Embedded C	6cp

Select 6 credit points from the following options: 6cp

CBK90366 ICT choice 18cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp

Select 6 credit points of electives 6cp

Spring semester

48001	Project BEngSc	6cp
48433	Software Architecture	6cp
48450	Real-time Operating Systems	6cp

Select 6 credit points of options 6cp

ICTE major, Telecommunications Engineering sub-major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48541	Signal Theory	6cp
48740	Communications Networks	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48730	Network Security	6cp
48780	Mobile Communications	6cp

Select 6 credit points from the following options: 6cp

CBK90366	ICT choice	18cp

Spring semester

48001	Project BEngSc	6cp
48771	Discrete Communications	6cp

Select 12 credit points of electives 12cp

Innovation major example with Electrical Engineering specialisation

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48080	Introduction to Innovation	6cp
48521	Fundamentals of Electrical Engineering	6cp

Select 6 credit points from the following options: 6cp

48221	Engineering Computations	6cp
48023	Programming Fundamentals	6cp

Year 2

Autumn semester

48520	Electronics and Circuits	6cp
48441	Introductory Digital Systems	6cp
48240	Design and Innovation Fundamentals	6cp
48430	Embedded C	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48530	Circuit Analysis	6cp

Select 6 credit points from the following options: 6cp

CBK90471	Innovation choice	12cp
21227	Innovation and Entrepreneurship	6cp
21511	Global Operations and Supply Chain Management	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
79006	Intellectual Property Commercialisation	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

48540	Signals and Systems	6cp
68038	Advanced Mathematics and Physics	6cp

Select 6 credit points from the following options: 6cp

CBK90471	Innovation choice	12cp
21227	Innovation and Entrepreneurship	6cp
21511	Global Operations and Supply Chain Management	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
79006	Intellectual Property Commercialisation	6cp

Select 6 credit points of electives 6cp

Spring semester

48001	Project BEngSc	6cp
48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp

Select 6 credit points of electives 6cp

Mechanical Engineering major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48221	Engineering Computations	6cp
48620	Fundamentals of Mechanical Engineering	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48621	Manufacturing Engineering	6cp
48331	Mechanics of Solids	6cp
48510	Introduction to Electrical Engineering	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48600	Mechanical Design 1	6cp
48641	Fluid Mechanics	6cp
48640	Machine Dynamics	6cp

Year 3

Autumn semester

48642	Strength of Engineering Materials	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp

Select 6 credit points of electives 6cp

Spring semester

48001	Project BEngSc	6cp
48650	Mechanical Design 2	6cp

Select 12 credit points of electives 12cp

Transfer between UTS courses

Students enrolled in the Bachelor of Engineering Science may (dependent upon performance and admission requirements) be allowed to transfer to the Bachelor of Engineering (C10067) (see page 155). This involves completion of the remaining Bachelor of Engineering subjects. The subject 48001 Project BEngSc is not credited from this course to any Bachelor of Engineering degree.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10067v7 Bachelor of Engineering

Award(s): Bachelor of Engineering in (name of Engineering major) (BE)
UAC code: 603006 (Civil and Environmental Engineering) (Autumn semester), 603016 (Civil Engineering) (Autumn semester), 603019 (Civil Engineering (Structures)) (Autumn semester), 603036 (Electrical Engineering) (Autumn semester), 603056 (Mechanical Engineering) (Autumn semester), 603061 (ICT Engineering) (Autumn semester), 603096 (Civil Engineering (Construction)) (Autumn semester), 603106 (General degree, no major) (Autumn semester), 603116 (Mechanical and Mechatronic Engineering) (Autumn semester), 603126 (Innovation Engineering) (Autumn semester), 603131 (Biomedical Engineering) (Autumn semester)
CRICOS code: 009478M
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Local students are advised to refer to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142), which includes industry experience and provides a comprehensive preparation for a career in the engineering profession.

Overview

This course is identical to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) except there is no Diploma in Engineering Practice requirement.

This program is a comprehensive preparation for careers in the professional practice of engineering. Students learn to deal with complex systems and manage large-scale projects using the most appropriate emerging technologies.

Career options

Career options depend on the major chosen.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

A total of 192 credit points is required for graduation, distributed in the following way:

- core program: 48 credit points
- choice of major: 120 credit points
- electives: 24 credit points.

From 2014, students commencing or transferring into the Mechanical and Mechatronics Engineering major or the Civil and Environmental Engineering major are required to select one specialist stream in their area of study in place of the electives.

Industrial training/professional practice

Students graduating with a Bachelor of Engineering without the Diploma in Engineering Practice are required to obtain the equivalent of at least 12 weeks exposure to professional engineering practice, preferably outside the university environment. For further details, refer to 48100 Professional Practice.

Course completion requirements

Select one of the following:			24cp
CBK90011	Electives	24cp	
STM90848	Civil and Enviromental Engineering specialist stream	24cp	
STM90849	Mechanical and Mechatronic Engineering specialist stream	24cp	
STM90106	Core subjects		48cp
CBK90173	Major choice		120cp
48100	Professional Practice (BE)		0cp
			Total 192cp

Course program

Most of the subjects are offered in both Autumn and Spring semesters, sometimes as day classes and sometimes as evening classes. The programs provided below for each major show a suggested sequence for students commencing in Autumn semester undertaking the course full time. The program for students undertaking the Civil Engineering major beyond Year 1 depends on which specialisation is chosen.

Biomedical Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48230	Engineering Communication		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
65111	Chemistry 1		6cp
Select one subject from the following:			6cp
48441	Introductory Digital Systems	6cp	
48622	Mechatronics 1	6cp	
Select one subject from the following:			6cp
48023	Programming Fundamentals	6cp	
48221	Engineering Computations	6cp	

Year 2

Autumn semester

48240	Design and Innovation Fundamentals		6cp
91161	Cell Biology and Genetics		6cp
31271	Database Fundamentals		6cp
91400	Human Anatomy and Physiology		6cp

Spring semester

48250	Engineering Economics and Finance		6cp
48520	Electronics and Circuits		6cp
48541	Signal Theory		6cp
91703	Physiological Systems		6cp

Year 3

Autumn semester

48260	Engineering Project Management		6cp
41101	Fundamentals of Biomedical Engineering		6cp
91705	Medical Devices and Diagnostics		6cp
Select 6 credit points from the following options:			6cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
Select 18 credit points from the following options:			18cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	

Year 4

Autumn semester

48100	Professional Practice (BE)		0cp
48016	Capstone Project Part A		6cp
Select 6 credit points from the following options:			6cp
41105	Biomedical Signal and Image Processing	6cp	
42001	Bioinformatics	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
49261	Biomedical Instrumentation	6cp	
Select 12 credit points of electives			12cp

Spring semester

48026	Capstone Project Part B		6cp
Select 6 credit points from the following options:			6cp
41105	Biomedical Signal and Image Processing	6cp	
42001	Bioinformatics	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
49261	Biomedical Instrumentation	6cp	
Select 12 credit points of electives			12cp

Civil Engineering major, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
48320	Surveying	6cp
33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48330	Soil Behaviour	6cp
48352	Construction Materials	6cp
48349	Structural Analysis	6cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp
48641	Fluid Mechanics	6cp
48353	Concrete Design	6cp
48370	Road and Transport Engineering	6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48350	Environmental and Sanitation Engineering	6cp
48360	Geotechnical Engineering	6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

48366	Steel and Timber Design	6cp
48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp
Select 12 credit points of electives		12cp

Spring semester

48362	Hydraulics and Hydrology	6cp
48389	Computer Modelling and Design	6cp
48026	Capstone Project Part B	6cp
Select 6 credit points of electives		6cp

Civil Engineering major, Construction specialisation, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
48320	Surveying	6cp
33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48330	Soil Behaviour	6cp
48352	Construction Materials	6cp
48349	Structural Analysis	6cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp
48641	Fluid Mechanics	6cp
48353	Concrete Design	6cp
16265	Construction Technology 2	6cp

Spring semester

48360	Geotechnical Engineering	6cp
16912	Site Management	6cp
Select 12 credit points of electives		12cp

Year 4

Autumn semester

48016	Capstone Project Part A		6cp
48362	Hydraulics and Hydrology		6cp
48100	Professional Practice (BE)		0cp
Select 6 credit points from the following options:			6cp
16314	Construction Technology 3	6cp	
16422	Construction Technology 4	6cp	
16913	Time and Quality Management	6cp	
48850	Environmental Planning and Law	6cp	
48370	Road and Transport Engineering	6cp	
Select 6 credit points of electives			6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
48026	Capstone Project Part B		6cp
Select 6 credit points from the following options:			6cp
16314	Construction Technology 3	6cp	
16422	Construction Technology 4	6cp	
16913	Time and Quality Management	6cp	
48850	Environmental Planning and Law	6cp	
48370	Road and Transport Engineering	6cp	
Select 6 credit points of electives			6cp

Civil Engineering major, Structures specialisation, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

48321	Engineering Mechanics	6cp
48320	Surveying	6cp
33230	Mathematical Modelling 2	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48221	Engineering Computations	6cp
48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48330	Soil Behaviour	6cp
48352	Construction Materials	6cp
48349	Structural Analysis	6cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp
48641	Fluid Mechanics	6cp
48353	Concrete Design	6cp

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48360	Geotechnical Engineering	6cp

Select 6 credit points from the following options: 6cp

48350	Environmental and Sanitation Engineering	6cp
48370	Road and Transport Engineering	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48366	Steel and Timber Design	6cp
48371	Advanced Engineering Computing	6cp
48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp

Select 6 credit points of electives 6cp

Spring semester

48362	Hydraulics and Hydrology	6cp
48026	Capstone Project Part B	6cp
48389	Computer Modelling and Design	6cp

Select 6 credit points of electives 6cp

Civil Engineering and Environmental Engineering major, Autumn commencing

Year 1

Autumn semester

68037	Physical Modelling	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48230	Engineering Communication	6cp
33130	Mathematical Modelling 1	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48321	Engineering Mechanics	6cp
48221	Engineering Computations	6cp
65111	Chemistry 1	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48320	Surveying	6cp
48331	Mechanics of Solids	6cp
48821	Ecological Engineering	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48352	Construction Materials	6cp
48641	Fluid Mechanics	6cp
48840	Water Supply and Wastewater Engineering	6cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp
48349	Structural Analysis	6cp
48362	Hydraulics and Hydrology	6cp
48860	Pollution Control and Waste Management	6cp

Spring semester

41011	Environmental Chemical Processes	6cp
48270	Entrepreneurship and Commercialisation	6cp
48353	Concrete Design	6cp
48330	Soil Behaviour	6cp

Year 4

Autumn semester

48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp
48850	Environmental Planning and Law	6cp
48360	Geotechnical Engineering	6cp
48370	Road and Transport Engineering	6cp

Spring semester

41010	Energy and Water	6cp
48366	Steel and Timber Design	6cp
48881	Water and Environmental Design	6cp
48026	Capstone Project Part B	6cp

Electrical Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48510	Introduction to Electrical Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48430	Embedded C	6cp
68038	Advanced Mathematics and Physics	6cp
48530	Circuit Analysis	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp

Select 12 credit points from the following options: 12cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Select one subject from the following: 6cp

48451	Advanced Digital Systems	6cp
48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48016	Capstone Project Part A		6cp
48100	Professional Practice (BE)		0cp

Select one subject from the following: 6cp

49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Select two subjects from the following: 12cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Spring semester

48026	Capstone Project Part B		6cp

Select 12 credit points from the following options: 12cp

49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Select 6 credit points of electives 6cp

Innovation major, Electrical Engineering specialisation, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48230	Engineering Communication		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48441	Introductory Digital Systems		6cp
48080	Introduction to Innovation		6cp
48521	Fundamentals of Electrical Engineering		6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals		6cp
48520	Electronics and Circuits		6cp
48430	Embedded C		6cp

Select 6 credit points from the following options: 6cp

CBK90471	Innovation choice	12cp
21227	Innovation and Entrepreneurship	6cp
21511	Global Operations and Supply Chain Management	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
79006	Intellectual Property Commercialisation	6cp

Spring semester

48250	Engineering Economics and Finance		6cp
48530	Circuit Analysis		6cp
68038	Advanced Mathematics and Physics		6cp

Select 6 credit points from the following options: 6cp

CBK90471	Innovation choice	12cp
21227	Innovation and Entrepreneurship	6cp
21511	Global Operations and Supply Chain Management	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
79006	Intellectual Property Commercialisation	6cp

Year 3

Autumn semester

48260	Engineering Project Management		6cp
48531	Electromechanical Automation		6cp
48540	Signals and Systems		6cp

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
48081	Innovation Processes		6cp
48570	Data Acquisition and Distribution		6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48451	Advanced Digital Systems		6cp
48016	Capstone Project Part A		6cp
48572	Power Circuit Theory		6cp
48100	Professional Practice (BE)		0cp

Select 6 credit points of electives 6cp

Spring semester

48571	Electrical Machines		6cp
48026	Capstone Project Part B		6cp
48560	Introductory Control		6cp

Select 6 credit points of electives 6cp

ICTE major, Computer Systems sub-major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48230	Engineering Communication		6cp
68037	Physical Modelling		6cp
48410	Introduction to ICT Engineering		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48023	Programming Fundamentals		6cp
48510	Introduction to Electrical Engineering		6cp
48720	Network Fundamentals		6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals		6cp
48441	Introductory Digital Systems		6cp
48520	Electronics and Circuits		6cp
48541	Signal Theory		6cp

Spring semester

48250	Engineering Economics and Finance		6cp
48430	Embedded C		6cp
48451	Advanced Digital Systems		6cp

Select 6 credit points from the following options: 6cp

CBK90366	ICT choice	18cp

Year 3

Autumn semester

48260	Engineering Project Management		6cp
48434	Embedded Software		6cp
48570	Data Acquisition and Distribution		6cp

Select 6 credit points from the following options: 6cp

CBK90366	ICT choice	18cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48450	Real-time Operating Systems	6cp
Select 6 credit points from the following options:		6cp
CBK90366	ICT choice	18cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48471	ICT Analysis	6cp
48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp
Select 6 credit points of electives		6cp

Spring semester

48481	ICT Design	6cp
48026	Capstone Project Part B	6cp
Select 12 credit points of electives		12cp

ICTE major, Telecommunications Eng sub-major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48541	Signal Theory	6cp
48740	Communications Networks	6cp

Spring semester

48730	Network Security	6cp
48770	Continuous Communications	6cp
48250	Engineering Economics and Finance	6cp
Select 6 credit points from the following options:		6cp
CBK90366	ICT choice	18cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp
48750	Network Planning and Management	6cp
48771	Discrete Communications	6cp
Select 6 credit points of electives		6cp

Spring semester

48780	Mobile Communications	6cp
48270	Entrepreneurship and Commercialisation	6cp
Select 12 credit points from the following options:		12cp
CBK90366	ICT choice	18cp

Year 4

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48471	ICT Analysis	6cp
48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp
Select 6 credit points of electives		6cp

Spring semester

48481	ICT Design	6cp
48026	Capstone Project Part B	6cp
Select 12 credit points of electives		12cp

ICTE major, Software Engineering sub-major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
68037	Physical Modelling	6cp
48410	Introduction to ICT Engineering	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
48720	Network Fundamentals	6cp

Year 2

Autumn semester

48024	Applications Programming	6cp
48441	Introductory Digital Systems	6cp
48240	Design and Innovation Fundamentals	6cp
48541	Signal Theory	6cp

Spring semester

48250	Engineering Economics and Finance	6cp
48430	Embedded C	6cp
48440	Software Engineering Practice	6cp
Select 6 credit points from the following options:		6cp
CBK90366	ICT choice	18cp

Year 3

Autumn semester

48260	Engineering Project Management	6cp
48434	Embedded Software	6cp
48433	Software Architecture	6cp
Select 6 credit points from the following options:		6cp
CBK90366	ICT choice	18cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48450	Real-time Operating Systems	6cp
Select 6 credit points from the following options:		6cp
CBK90366	ICT choice	18cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48471	ICT Analysis	6cp
48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp
Select 6 credit points of electives		6cp

Spring semester

48481	ICT Design	6cp
48026	Capstone Project Part B	6cp
Select 12 credit points of electives		12cp

Mechanical and Mechatronic Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48510	Introduction to Electrical Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48520	Electronics and Circuits	6cp
48640	Machine Dynamics	6cp

Spring semester

48622	Mechatronics 1	6cp
48641	Fluid Mechanics	6cp
48651	Thermodynamics	6cp
48600	Mechanical Design 1	6cp

Year 3

Autumn semester

48250	Engineering Economics and Finance	6cp
48623	Mechatronics 2	6cp
48660	Dynamics and Control	6cp
48642	Strength of Engineering Materials	6cp

Spring semester

48260	Engineering Project Management	6cp
41012	Programming for Mechatronic Systems	6cp
48531	Electromechanical Automation	6cp
48650	Mechanical Design 2	6cp

Year 4

Autumn semester

41013	Robotics	6cp
48016	Capstone Project Part A	6cp
48100	Professional Practice (BE)	0cp
41014	Sensors and Control for Mechatronic Systems	6cp
48661	Heat Transfer	6cp

Spring semester

48026	Capstone Project Part B	6cp
48270	Entrepreneurship and Commercialisation	6cp
48670	Mechanical and Mechatronic Design	6cp

Select 6 credit points of electives 6cp

Mechanical Engineering major, Autumn commencing

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
68037	Physical Modelling	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48510	Introduction to Electrical Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
60101	Chemistry and Materials Science	6cp

Year 2

Autumn semester

48240	Design and Innovation Fundamentals	6cp
48331	Mechanics of Solids	6cp
48221	Engineering Computations	6cp
48621	Manufacturing Engineering	6cp

Spring semester

48600	Mechanical Design 1	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp

Year 3

Autumn semester

48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48250	Engineering Economics and Finance	6cp

Spring semester

48260	Engineering Project Management	6cp
48601	Mechanical Vibration and Measurement	6cp
48661	Heat Transfer	6cp
48663	Advanced Manufacturing	6cp

Year 4

Autumn semester

48016	Capstone Project Part A	6cp
48670	Mechanical and Mechatronic Design	6cp
48100	Professional Practice (BE)	0cp

Select 12 credit points of electives 12cp

Spring semester

48026	Capstone Project Part B	6cp
48270	Entrepreneurship and Commercialisation	6cp

Select 12 credit points of electives 12cp

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10068v8 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice

Award(s): Bachelor of Engineering in (name of Engineering major) Diploma in Engineering Practice (BE DipEngPrac) Bachelor of Business (BBus)
CRICOS code: 043190M
Commonwealth-supported place?: Yes
Load credit points: 252
Course EFTSL: 5.25
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Overview

This combined degree provides students with the opportunity to complete the core and major components of both the engineering and business degrees. This course is essentially the same as the Bachelor of Engineering Bachelor of Business (C10065) (see page 151) combined degree except for the additional requirement of two internships and the completion of the engineering practice program. The engineering practice program is integrated throughout the course.

For graduates choosing to practise as engineers, the business knowledge is invaluable in providing a sound foundation for entrepreneurial initiatives and the commercialisation of engineering innovations.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Career options

Career options include a business career applying advanced technology in commercial settings or practice as an engineer where business knowledge helps to ensure success in commercialisation of engineering innovations. The course provides excellent training for senior management roles.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course duration is six years of full-time study.

Course structure

The program comprises a total of 252 credit points, made up of 162 credit points relating to the Bachelor of Engineering Diploma in Engineering Practice and 90 credit points relating to the Bachelor of Business.

The engineering component of this course is made up of subjects selected from the engineering core, the engineering practice program and the engineering fields of practice (majors).

The business component is made up of core business subjects and a business major.

Industrial training/professional practice

The Diploma in Engineering Practice requires the completion of two six-month internships and the engineering practice program. This course is also available without the Diploma in Engineering Practice. For details, refer to the Bachelor of Engineering Bachelor of Business (C10065) (see page 151).

Course completion requirements

CBK90169	Major choice (Business)	48cp
STM90272	Core subjects (Engineering)	36cp
STM90108	Core subjects (Business)	42cp
STM90271	Engineering practice program	12cp
CBK90905	Major choice (Engineering)	114cp
		Total 252cp

Course program

The example program below is for a full-time, Autumn-commencing student with electrical engineering as the engineering major and human resource management as the business major, with internships taken in Spring semester of Years 2 and 4. For further information, contact the appropriate UTS Student Centre.

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
68037	Physical Modelling	6cp
48510	Introduction to Electrical Engineering	6cp
48230	Engineering Communication	6cp

Spring semester

48441	Introductory Digital Systems	6cp
33230	Mathematical Modelling 2	6cp
26100	Integrating Business Perspectives	6cp
48520	Electronics and Circuits	6cp

Year 2

Autumn semester

24108	Marketing Foundations	6cp
48240	Design and Innovation Fundamentals	6cp
48521	Fundamentals of Electrical Engineering	6cp
22107	Accounting for Business Decisions A	6cp
48121	Engineering Practice Preview 1	3cp

Spring semester

48110	Engineering Experience 1	0cp

Year 3

Autumn semester

48530	Circuit Analysis	6cp
48430	Embedded C	6cp
23115	Economics for Business	6cp
48122	Engineering Practice Review 1	3cp
48531	Electromechanical Automation	6cp

Spring semester

68038	Advanced Mathematics and Physics	6cp
48540	Signals and Systems	6cp
25300	Fundamentals of Business Finance	6cp
48260	Engineering Project Management	6cp

Year 4

Autumn semester

22207	Accounting for Business Decisions B	6cp
21129	Managing People and Organisations	6cp
48141	Engineering Practice Preview 2	3cp

Select 6 credit points from the following options: 6cp

48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
48560	Introductory Control	6cp

Select 6 credit points of electives 6cp

Spring semester

48130	Engineering Experience 2	0cp

Year 5

Autumn semester

21555	Human Resource Management	6cp
48142	Engineering Practice Review 2	3cp
21510	The Global Context of Management	6cp

Select 6 credit points from the following options: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Select 6 credit points of electives 6cp

Spring semester

21440	Management Skills	6cp
21036	Managing Strategic Performance	6cp

Select one subject from the following: 6cp

48450	Real-time Operating Systems	6cp
49274	Advanced Robotics	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp
48551	Analog Electronics	6cp

Select one subject from the following: 6cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Year 6

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp
48016	Capstone Project Part A	6cp

Select 6 credit points from the following options: 6cp

48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48582	Power Systems Analysis and Design	6cp

Spring semester

48026	Capstone Project Part B	6cp
21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp

Select 6 credit points from the following options: 6cp

48450	Real-time Operating Systems	6cp
48551	Analog Electronics	6cp
48583	Power Systems Operation and Protection	6cp
49274	Advanced Robotics	6cp
48550	Renewable Energy Systems	6cp

Levels of award

The Bachelor of Engineering Diploma in Engineering Practice may be awarded with first or second class honours for meritorious performance in the course as a whole.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). The Dipoma in Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10069v3 Bachelor of Engineering Science in Aerospace Operations

Award(s): Bachelor of Engineering Science in Aerospace Operations (BEngSc)
Commonwealth-supported place?: No
Load credit points: 144
Course EFTSL: 3
Location: Singapore

Note(s)

This course is only offered offshore. It is available in Singapore. The language of tuition is English.

Overview

This is a professional degree program offered jointly by UTS and the Singapore Institute of Aerospace Engineers (SIAE). Building on an established SIAE-UTS educational partnership in aerospace operations, this course was launched in Singapore in 2000.

This unique degree equips graduates to take advantage of expanding professional opportunities in the fast-growing aerospace industry in Singapore and the region.

Career options

The Bachelor of Engineering Science in Aerospace Operations enhances the career prospects of professionals in other industries who wish to move into the aerospace industry, professionals who wish to upgrade and broaden their academic qualifications and technical specialists currently working in the aerospace industry.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Applicants require a Singapore polytechnic diploma or equivalent. Holders of Licensed Aircraft Maintenance Engineering (LAME) are also considered. Those without a diploma can also be considered for admission based on their performance in other courses and extensive aircraft engineering experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

Assumed knowledge

Students must be competent in written and spoken English and the use of basic information technology tools.

Credit recognition

Students with a Singapore polytechnic diploma or equivalent qualification may be granted a maximum 96-credit-point exemption out of the required 144 credit points.

Course duration and attendance

The typical course duration for a student getting the maximum advanced standing is two years (four semesters) of part-time study.

Course structure

Once students have been granted 96 credit points of exemptions, they are required to complete eight compulsory subjects (48 credit points). Students study two subjects a semester.

Course completion requirements

STM90520	Core subjects	42cp
48001	Project BEngSc	6cp
MAJ03414	Aerospace Engineering	78cp
CBK90228	Electives	18cp
		Total 144cp

Levels of award

The course is awarded with high distinction, distinction, credit or pass.

Further study at UTS

Bachelor of Engineering Science graduates have the option of continuing their professional development through studies at UTS leading to a four-year Bachelor of Engineering (C10067) (see page 155) degree, a five-year Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) combined award, or combined five-year engineering and business degrees.

Alternatively, graduates of this course may enter postgraduate courses in engineering and/or business management including the Master of Engineering Management (C04094) (see page 366) via a graduate certificate program.

Other information

Further information is available from:

Ai Li Lee

Air Transport Training College

190 Changi Road

#04-01, MDIS Building

Singapore 419974

telephone +65 6346 0311

fax +65 6346 0115

email aili@attc.edu.sg

http://attc.edu.sg

C10073v6 Bachelor of Engineering Bachelor of Science

Award(s): Bachelor of Engineering in (name of Engineering major) (BE)
Bachelor of Science in (name of Science major) (BSc)
UAC code: 609360 (Autumn semester)
CRICOS code: 040711D
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This combined degree is designed to provide opportunities for students interested in science, the scientific basis of engineering and technology, and the technology itself. Graduates of this course work as cutting edge professionals where science and engineering interact dynamically.

There is a strong interrelation between the progress of engineering and developments in science, and a demonstrated need for professionals with a strong understanding and experience in both areas.

Students have the option of undertaking honours in science, or an additional two internships to gain the Diploma in Engineering Practice, or both.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Course aims

This course aims to produce graduates with professional qualifications in science and engineering who are well prepared to pursue a career in either field, or one that combines the skills of both. Students develop valuable skills highly prized by employers, including the technological expertise to understand scientific problems and the design skills to implement solutions.

Career options

Career options depend on the majors and subjects chosen. Options include research, design and development, and scientific management. Graduates work in industry or government, in areas such as biotechnology, communications, energy and resource exploration, environmental protection, medical technology, molecular biology and materials technology, nanotechnology and transportation.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is provision for students already enrolled in a Bachelor of Science or a Bachelor of Engineering degree to transfer to the combined degree program. The eligibility criteria used to assess transfer applications for students currently enrolled in a science or engineering program are in line with those used by the Universities Admissions Centre to assess non-current school leaver applicants.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 2 December.

Non-current school leavers are advised to complete the employment question on their UAC application as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Applicants who successfully complete a recognised pathway program are also eligible to apply.

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course duration is five years full time, 10 years part time, or six years full time with honours.

Full-time attendance involves up to 24 hours each week at the University. Part-time attendance involves up to 12 hours each week at the University. It is expected that employers will release part-time students for at least one half-day a week for attendance at classes.

Course structure

The program comprises a total of 240 credit points, made up of 162 credit points relating to the Bachelor of Engineering and 78 credit points relating to the Bachelor of Science.

The engineering component of this course is made up of subjects selected from the engineering core and engineering fields of practice (majors).

The science component represents a specific science major.

Graduation from the science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Science prior to completion of the engineering component of the combined degree must apply for transfer to the Bachelor of Science (C10242) (see page 248) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the engineering component of the combined degree prior to completion of the science component they must apply for transfer to the Bachelor of Engineering (C10067) (see page 155) single degree program where they must complete all requirements for the stand-alone single degree version, including the Professional Practice (BE) subject.

Further, students wishing to graduate from the engineering component of the combined degree prior to completion of the science component must have completed at least 60 credit points of the science major (CBK90586).

Industrial training/professional practice

Students are required to undertake a minimum of 12 weeks of engineering experience.

A Diploma in Engineering Practice is also available. The Diploma in Engineering Practice requires the additional completion of two six-month internships and the engineering practice program.

Course completion requirements

STM90106	Core subjects	48cp
CBK90176	Major choice (Engineering)	114cp
CBK90586	Major choice (Science)	78cp
48100	Professional Practice (BE)	0cp
		Total 240cp

Course program

The example program below is for a full-time, Autumn-commencing student with electrical engineering as their chosen engineering major.

List of Science majors

MAJ01087	Applied Chemistry	78cp
MAJ01088	Applied Physics	78cp
MAJ01091	Nanotechnology	78cp
MAJ01090	Biomedical Science	78cp
MAJ01120	Medical Science	78cp
MAJ01119	Biotechnology	78cp
MAJ01089	Environmental Science	78cp
MAJ01095	Mathematics	78cp

List of Engineering majors

MAJ03025	Civil Engineering	114cp
MAJ03026	Civil and Environmental Engineering	114cp
MAJ03028	Electrical Engineering	114cp
MAJ03449	ICT Engineering	114cp
MAJ03030	Mechanical Engineering	114cp
MAJ03450	Mechanical and Mechatronic Engineering	114cp
CBK90036	No specified major	114cp

Applied Chemistry major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp
65111	Chemistry 1	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

48230	Engineering Communication	6cp
48530	Circuit Analysis	6cp
48441	Introductory Digital Systems	6cp
65202	Organic Chemistry 1	6cp

Spring semester

48240	Design and Innovation Fundamentals	6cp
48430	Embedded C	6cp
68038	Advanced Mathematics and Physics	6cp
65306	Analytical Chemistry 1	6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48531	Electromechanical Automation		6cp
65307	Physical Chemistry 1		6cp
65410	Chemical Safety and Legislation		6cp

Spring semester

65411	Inorganic Chemistry 1		6cp
48250	Engineering Economics and Finance		6cp

Select one subject from the following:			6cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	

Select 6 credit points of electives			6cp

Year 4

Autumn semester

65409	Analytical Chemistry 2		6cp
48260	Engineering Project Management		6cp
48100	Professional Practice (BE)		0cp

Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Select 6 credit points of electives			6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
65508	Organic Chemistry 2		6cp

Select two subjects from the following:			12cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Year 5

Autumn semester

65509	Inorganic Chemistry 2		6cp
48016	Capstone Project Part A		6cp

Select one subject from the following:			6cp
67305	Polymer Science	6cp	
67509	Molecular Nanotechnology	6cp	
68075	Nanomaterials	6cp	
65545	Forensic Toxicology	6cp	

Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Spring semester

65606	Analytical Chemistry 3		6cp
48026	Capstone Project Part B		6cp
65607	Physical Chemistry 2		6cp

Select one subject from the following:			6cp
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Applied Physics major

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp
65111	Chemistry 1		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48521	Fundamentals of Electrical Engineering		6cp
48520	Electronics and Circuits		6cp
65212	Chemistry 2		6cp

Year 2

Autumn semester

48230	Engineering Communication		6cp
48530	Circuit Analysis		6cp
48441	Introductory Digital Systems		6cp
33360	Mathematics for Physical Science		6cp

Spring semester

48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
68201	Physics in Action		6cp
68070	Introduction to Materials		6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48531	Electromechanical Automation		6cp
48240	Design and Innovation Fundamentals		6cp
68075	Nanomaterials		6cp

Spring semester

68315	Imaging Science		6cp
48250	Engineering Economics and Finance		6cp

Select one subject from the following:			6cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	

Select 6 credit points of electives			6cp

Year 4

Autumn semester

68412	Energy Science and Technology		6cp
48260	Engineering Project Management		6cp
48100	Professional Practice (BE)		0cp

Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Select 6 credit points of electives			6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
68413	Quantum Physics		6cp

Select two subjects from the following:			12cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Year 5

Autumn semester

68416	Computational Physics		6cp
48016	Capstone Project Part A		6cp
68606	Solid-state Science and Nanodevices		6cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Spring semester

48026	Capstone Project Part B	6cp

Select two subjects from the following: 12cp

68320	Scanning Probe and Electron Microscopy	6cp
68414	Advanced Mechanics	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68513	Optics and Nanophotonics	6cp

Select one subject from the following: 6cp

49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Biomedical Science major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp
65111	Chemistry 1	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
91161	Cell Biology and Genetics	6cp

Year 2

Autumn semester

48230	Engineering Communication	6cp
48530	Circuit Analysis	6cp
48441	Introductory Digital Systems	6cp
91400	Human Anatomy and Physiology	6cp

Spring semester

48430	Embedded C	6cp
68038	Advanced Mathematics and Physics	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Year 3

Autumn semester

48540	Signals and Systems	6cp
48531	Electromechanical Automation	6cp
91132	Molecular Biology 1	6cp
48240	Design and Innovation Fundamentals	6cp

Spring semester

65212	Chemistry 2	6cp
48250	Engineering Economics and Finance	6cp

Select one subject from the following: 6cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48260	Engineering Project Management	6cp
91500	Histology	6cp
48100	Professional Practice (BE)	0cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Select 6 credit points of electives 6cp

Spring semester

Select two subjects from the following: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Select two subjects from the following: 12cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Year 5

Autumn semester

48016	Capstone Project Part A	6cp

Select two subjects from the following: 12cp

91338	Clinical Bacteriology	6cp
91358	Advanced Haematology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91359	Advanced Immunology	6cp
91335	Molecular Biology 2	6cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48026	Capstone Project Part B	6cp

Select one subject from the following: 6cp

49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Select one subject from the following: 6cp

91129	Transfusion Science	6cp
91352	Parasitology	6cp
91345	Biochemistry, Genes and Disease	6cp
91402	Anatomical Pathology	6cp

Biotechnology major

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp
65111	Chemistry 1	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

48230	Engineering Communication	6cp
48530	Circuit Analysis	6cp
48441	Introductory Digital Systems	6cp
91161	Cell Biology and Genetics	6cp

Spring semester

48240	Design and Innovation Fundamentals		6cp
48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
91400	Human Anatomy and Physiology		6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48531	Electromechanical Automation		6cp
91320	Metabolic Biochemistry		6cp
91314	General Microbiology		6cp

Spring semester

48250	Engineering Economics and Finance		6cp
91132	Molecular Biology 1		6cp
Select one subject from the following:			6cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
Select 6 credit points of electives			6cp

Year 4

Autumn semester

48260	Engineering Project Management		6cp
91142	Biotechnology		6cp
91144	Plant Biotechnology		6cp
48100	Professional Practice (BE)		0cp
Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
Select two subjects from the following:			12cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	
Select 6 credit points of electives			6cp

Year 5

Autumn semester

48016	Capstone Project Part A		6cp
91369	Biobusiness and Environmental Biotechnology		6cp
Select one subject from the following:			6cp
91335	Molecular Biology 2	6cp	
91359	Advanced Immunology	6cp	
Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Spring semester

48026	Capstone Project Part B		6cp
91368	Bioreactors and Bioprocessing		6cp
Select one subject from the following:			6cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	
Select one subject from the following:			6cp
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Environmental Science major

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp
91107	The Biosphere		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48521	Fundamentals of Electrical Engineering		6cp
48520	Electronics and Circuits		6cp
91123	Biocomplexity		6cp

Year 2

Autumn semester

48230	Engineering Communication		6cp
48530	Circuit Analysis		6cp
48441	Introductory Digital Systems		6cp
91154	Ecology		6cp

Spring semester

48240	Design and Innovation Fundamentals		6cp
48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
65111	Chemistry 1		6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48531	Electromechanical Automation		6cp
91110	Experimental Design and Sampling		6cp
91149	Geological Processes		6cp

Spring semester

Select one of the following:			6cp
91159	Environmental Forensics	6cp	
91157	Marine Communities	6cp	
48250	Engineering Economics and Finance		6cp
Select one subject from the following:			6cp
48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
Select 6 credit points of electives			6cp

Year 4

Autumn semester

48260	Engineering Project Management		6cp
Select one of the following:			6cp
91309	Biodiversity Conservation	6cp	
66513	Marine Geosciences	6cp	
91120	GIS and Remote Sensing		6cp
48100	Professional Practice (BE)		0cp
Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Spring semester

91145	Environmental Protection and Management		6cp
Select one subject from the following:			6cp
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91126	Coral Reef Ecosystems	6cp	
Select two subjects from the following:			12cp
48560	Introductory Control	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	

48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	
48570	Data Acquisition and Distribution	6cp	

Year 5

Autumn semester

91121	Aquatic Ecology		6cp
48016	Capstone Project Part A		6cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
48026	Capstone Project Part B		6cp
91155	Stream and Lake Assessment		6cp

Select one subject from the following: 6cp

49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Mathematics major

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp
35140	Introduction to Quantitative Management		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48521	Fundamentals of Electrical Engineering		6cp
48520	Electronics and Circuits		6cp
35111	Applications of Discrete Mathematics		6cp

Year 2

Autumn semester

48230	Engineering Communication		6cp
48530	Circuit Analysis		6cp
48441	Introductory Digital Systems		6cp
35212	Computational Linear Algebra		6cp

Spring semester

48240	Design and Innovation Fundamentals		6cp
48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
35100	Introduction to Sample Surveys		6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48531	Electromechanical Automation		6cp
35363	Stochastic Models		6cp
35241	Optimisation in Quantitative Management		6cp

Spring semester

48250	Engineering Economics and Finance		6cp
35231	Differential Equations		6cp

Select one subject from the following: 6cp

48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	

Select 6 credit points of electives 6cp

Year 4

Autumn semester

35232	Advanced Calculus		6cp
48260	Engineering Project Management		6cp
48100	Professional Practice (BE)		0cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
35353	Regression Analysis		6cp

Select two subjects from the following: 12cp

48560	Introductory Control	6cp	
48570	Data Acquisition and Distribution	6cp	
48451	Advanced Digital Systems	6cp	
48571	Electrical Machines	6cp	
48572	Power Circuit Theory	6cp	
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Year 5

Autumn semester

48016	Capstone Project Part A		6cp

Select two subjects from the following: 12cp

35356	Design and Analysis of Experiments	6cp	
35383	High Performance Computing	6cp	
35252	Mathematical Statistics	6cp	

Select one subject from the following: 6cp

48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Spring semester

48026	Capstone Project Part B		6cp

Select one subject from the following: 6cp

49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Select two subjects from the following: 12cp

35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35355	Quality Control	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	
35340	Quantitative Management Practice	6cp	
35361	Stochastic Processes	6cp	

Medical Science major

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp
65111	Chemistry 1		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48521	Fundamentals of Electrical Engineering		6cp
48520	Electronics and Circuits		6cp
65212	Chemistry 2		6cp

Year 2

Autumn semester

48230	Engineering Communication		6cp
48530	Circuit Analysis		6cp
48441	Introductory Digital Systems		6cp
91161	Cell Biology and Genetics		6cp

Spring semester

48240	Design and Innovation Fundamentals		6cp
48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
91400	Human Anatomy and Physiology		6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48531	Electromechanical Automation		6cp
91320	Metabolic Biochemistry		6cp
91314	General Microbiology		6cp

Spring semester

91239	Human Pathophysiology		6cp
48250	Engineering Economics and Finance		6cp

Select one subject from the following: 6cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

91703	Physiological Systems		6cp
48260	Engineering Project Management		6cp
48100	Professional Practice (BE)		0cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
91705	Medical Devices and Diagnostics		6cp

Select two subjects from the following: 12cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Year 5

Autumn semester

48016	Capstone Project Part A		6cp
91706	Neuroscience		6cp
91707	Pharmacology 1		6cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Spring semester

48026	Capstone Project Part B		6cp
91708	Medical and Applied Physiology		6cp
91709	Pharmacology 2		6cp

Select one subject from the following: 6cp

49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Nanotechnology major

Year 1

Autumn semester

33130	Mathematical Modelling 1		6cp
48510	Introduction to Electrical Engineering		6cp
68037	Physical Modelling		6cp
65111	Chemistry 1		6cp

Spring semester

33230	Mathematical Modelling 2		6cp
48521	Fundamentals of Electrical Engineering		6cp
48520	Electronics and Circuits		6cp
65212	Chemistry 2		6cp

Year 2

Autumn semester

48230	Engineering Communication		6cp
48530	Circuit Analysis		6cp
48441	Introductory Digital Systems		6cp
33360	Mathematics for Physical Science		6cp

Spring semester

48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
68201	Physics in Action		6cp
68070	Introduction to Materials		6cp

Year 3

Autumn semester

48540	Signals and Systems		6cp
48240	Design and Innovation Fundamentals		6cp
48531	Electromechanical Automation		6cp
68075	Nanomaterials		6cp

Spring semester

48250	Engineering Economics and Finance		6cp
68315	Imaging Science		6cp

Select one subject from the following: 6cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

48260	Engineering Project Management		6cp
65307	Physical Chemistry 1		6cp
48100	Professional Practice (BE)		0cp

Select one subject from the following: 6cp

48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48434	Embedded Software	6cp
48561	Power Electronics and Drives	6cp
48582	Power Systems Analysis and Design	6cp

Select 6 credit points of electives 6cp

Spring semester

48270	Entrepreneurship and Commercialisation		6cp
68413	Quantum Physics		6cp

Select two subjects from the following: 12cp

48560	Introductory Control	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
49274	Advanced Robotics	6cp
48551	Analog Electronics	6cp
48450	Real-time Operating Systems	6cp
48550	Renewable Energy Systems	6cp
48583	Power Systems Operation and Protection	6cp

Year 5

Autumn semester

68606	Solid-state Science and Nanodevices		6cp
48016	Capstone Project Part A		6cp
67509	Molecular Nanotechnology		6cp
Select one subject from the following:			6cp
48580	Advanced Control	6cp	
48581	Digital Electronics	6cp	
48434	Embedded Software	6cp	
48561	Power Electronics and Drives	6cp	
48582	Power Systems Analysis and Design	6cp	

Spring semester

48026	Capstone Project Part B		6cp
Select two subjects from the following:			12cp
67510	Surface Processes	6cp	
68320	Scanning Probe and Electron Microscopy	6cp	
68513	Optics and Nanophotonics	6cp	
91140	BioNanotechnology	6cp	
Select one subject from the following:			6cp
49274	Advanced Robotics	6cp	
48551	Analog Electronics	6cp	
48450	Real-time Operating Systems	6cp	
48550	Renewable Energy Systems	6cp	
48583	Power Systems Operation and Protection	6cp	

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Honours

An honours program in science is available, which involves an extra year of full-time study. The honours program is designed to introduce students to more advanced coursework and to research work in science. It allows selected students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). Depending on the disciplines chosen, students may also be eligible for entry to other relevant professional associations.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10074v5 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice

Award(s): Bachelor of Engineering in (name of Engineering major)
Diploma in Engineering Practice (BE DipEngPrac)
Bachelor of Science in (name of Science major)
CRICOS code: 043278C
Commonwealth-supported place?: Yes
Load credit points: 252
Course EFTSL: 5.25
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Overview

This combined degree is the same as the Bachelor of Engineering Bachelor of Science (C10073) (see page 162), except for the additional requirement of two internships and completion of the engineering practice program. Students can transfer to this program if they wish to complete the Diploma in Engineering Practice.

There is a strong interrelation between the progress of engineering and developments in science and a demonstrated need for professionals with a strong understanding and experience in both areas.

Students also have the option of undertaking honours in science.

Course aims

The course aims to develop in students valuable skills highly prized by employers, including the technological expertise to understand scientific problems and the design skills to implement solutions.

Career options

Career options depend on the majors and subjects chosen. Options include research, design and development, and scientific management. Graduates work in industry or government, in areas such as biotechnology, communications, energy and resource exploration, environmental protection, medical technology, molecular biology and materials technology, nanotechnology and transportation.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is provision for students already enrolled in a Bachelor of Science or a Bachelor of Engineering degree to transfer to the combined degree program. The eligibility criteria used to assess transfer applications for students currently enrolled in a science or engineering program are in line with those used by the Universities Admissions Centre to assess non-current school leaver applicants.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 30 November.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Applicants who successfully complete a recognised pathway program are also eligible to apply.

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course duration is six years full time, 12 years part time, or seven years full time with honours.

Full-time attendance involves up to 24 hours each week at the University. Part-time attendance involves up to 12 hours each week at the University. It is expected that employers will release part-time students for at least one half-day a week for attendance at classes.

Course structure

The program comprises a total of 252 credit points, made up of 174 credit points relating to the Bachelor of Engineering Diploma in Engineering Practice and 78 credit points relating to the Bachelor of Science.

The engineering component of this course is made up of subjects selected from the engineering core, the engineering practice program and the engineering fields of practice (majors).

The science component represents a specific science major.

Graduation from the science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Science prior to completion of the engineering component of the combined degree must apply for transfer to the Bachelor of Science (C10242)

(see page 248) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the engineering component of the combined degree prior to completion of the science component they must apply for transfer to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) single degree program where they must complete all requirements for the stand-alone single degree version.

Further, students wishing to graduate from the engineering component of the combined degree prior to completion of the science component must have completed at least 60 credit points of the science major (CBK90586).

Industrial training/professional practice

The Diploma in Engineering Practice requires the completion of two six-month internships and the engineering practice program.

Course completion requirements

STM90106	Core subjects	48cp
STM90271	Engineering practice program	12cp
CBK90586	Major choice (Science)	78cp
CBK90176	Major choice (Engineering)	114cp
		Total 252cp

Levels of award

The Bachelor of Engineering Diploma in Engineering Practice may be awarded with first or second class honours for meritorious performance in the course as a whole.

Honours

An honours program in science is available, which involves an extra year of full-time study. The honours program is designed to introduce students to more advanced coursework and to research work in science. It allows selected students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, South Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). The Diploma in Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10075v6 Bachelor of Engineering Bachelor of Medical Science

Award(s): Bachelor of Engineering in (name of Engineering major) (BE)
Bachelor of Medical Science (BMedSc)
UAC code: 609370 (Autumn semester)
CRICOS code: 040710E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This combined degree is designed to provide opportunities for students interested in medical science, the scientific basis of engineering and technology, and the technology itself.

There is a strong interrelation between the progress of engineering and developments in science, and a demonstrated need for professionals with a strong understanding and experience in both areas.

A strong professional focus ensures graduates of this course learn the skills employers want with a solid link between theory and practice and the benefits of hands-on experience.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Course aims

This course aims to produce graduates with professional qualifications in medical science and engineering who are well prepared to pursue a career in either field, or one that combines the skills of both.

Career options

Career options include positions in biotechnology, communications, construction, energy and resource exploration and development, environmental protection and management, materials technology, mathematical modelling, medical technology and instrumentation, molecular biology, nanotechnology and transportation.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is provision for students already enrolled in a Bachelor of Medical Science or a Bachelor of Engineering degree to transfer to this combined degree program. The eligibility criteria used to assess transfer applications are in line with those used by the Universities Admissions Centre to assess non-current school leaver applicants.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 2 December.

Non-current school leavers are advised to complete the employment question on their UAC application as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

This course is offered over five years full time, 10 years part time, or six years full time with honours.

Full-time attendance involves approximately 24 hours each week at the University, which allows a full stage of the course to be completed in one semester. Part-time attendance involves approximately 12 hours each week at the University, which allows a full stage to be completed in one year. It is expected that employers will release part-time students for at least one half-day a week for attendance at classes.

Course structure

The program comprises a total of 240 credit points, made up of 162 credit points relating to the Bachelor of Engineering and 78 credit points relating to the Bachelor of Medical Science.

The engineering component of this course is made up of subjects selected from the engineering core and the engineering fields of practice (majors).

The medical science component represents a specific medical science strand.

Graduation from the medical science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Medical Science prior to completion of the engineering component of the combined degree must apply for transfer to the Bachelor of Medical Science (C10184) (see page 222) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the engineering component of the combined degree prior to completion of the science component they must apply for transfer to the Bachelor of Engineering (C10067) (see page 155) single degree program where they must complete all requirements for the stand-alone single degree version, including the Professional Practice (BE) subject.

Further, students wishing to graduate from the engineering component of the combined degree prior to completion of the medical science component must have completed at least 60 credit points of the medical science major (STM90348).

Industrial training/professional practice

Students are required to undertake a minimum of 12 weeks of engineering experience.

A Diploma in Engineering Practice is also available. The Diploma in Engineering Practice requires the additional completion of two six-month internships and the engineering practice program.

Course completion requirements

STM90106	Core subjects	48cp
CBK90176	Major choice (Engineering)	114cp
STM90348	Core subjects (Medical Science)	78cp
48100	Professional Practice (BE)	0cp
		Total 240cp

Course program

The example program below is for a full-time, Autumn-commencing student with electrical engineering as their chosen engineering major.

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp
65111	Chemistry 1	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48520	Electronics and Circuits	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48441	Introductory Digital Systems	6cp
91161	Cell Biology and Genetics	6cp

Spring semester

48240	Design and Innovation Fundamentals	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
91400	Human Anatomy and Physiology	6cp

Year 3

Autumn semester

48430	Embedded C	6cp
48531	Electromechanical Automation	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

48451	Advanced Digital Systems	6cp
48540	Signals and Systems	6cp
48250	Engineering Economics and Finance	6cp
91705	Medical Devices and Diagnostics	6cp

Year 4

Autumn semester

48260	Engineering Project Management	6cp
48570	Data Acquisition and Distribution	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
91703	Physiological Systems	6cp
48100	Professional Practice (BE)	0cp

Spring semester

48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
48560	Introductory Control	6cp
91239	Human Pathophysiology	6cp

Year 5

Autumn semester

48434	Embedded Software	6cp
48016	Capstone Project Part A	6cp
91706	Neuroscience	6cp
91707	Pharmacology 1	6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48026	Capstone Project Part B	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Honours

An honours program in medical science (C09031) (see page 118) is available, which involves an extra year of full-time study. The honours program is designed to introduce students to more advanced coursework and to research work in medical sciences. It allows selected students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). Depending on the disciplines chosen, students may also be eligible for entry to other relevant professional associations.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10076v6 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice

Award(s): Bachelor of Engineering in (name of Engineering major)
Diploma in Engineering Practice (BE DipEngPrac)
Bachelor of Medical Science (BMedSc)
CRICOS code: 043277D
Commonwealth-supported place?: Yes
Load credit points: 252
Course EFTSL: 5.25
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Overview

This combined degree is the same as the Bachelor of Engineering Bachelor of Medical Science (C10075) (see page 170), except for the additional requirement of two internships and completion of the engineering practice program. Students can transfer to this program if they wish to complete the Diploma in Engineering Practice.

There is a strong interrelation between the progress of engineering and developments in science, and a demonstrated need for professionals with a strong understanding and experience in both areas.

A strong professional focus ensures graduates of this course learn the skills employers want with a solid link between theory and practice, and the benefits of hands-on experience.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Career options

This course produces graduates with professional qualifications in medical science and engineering who are well prepared to pursue a career in either field or one that combines the skills of both.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is provision for students already enrolled in a Bachelor of Medical Science or a Bachelor of Engineering degree to transfer to this combined degree program. The eligibility criteria used to assess transfer applications are in line with those used by the Universities Admissions Centre to assess non-current school leaver applicants.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 30 November.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

This course is offered over six years full time, 12 years part time, or seven years full time with honours.

Full-time attendance involves approximately 24 hours each week at the University, which allows a full stage of the course to be completed in one semester. Part-time attendance involves approximately 12 hours each week at the University, which allows a full stage to be completed in one year. It is expected that employers will release part-time students for at least one half-day a week for attendance at classes.

Course structure

The program comprises a total of 252 credit points, made up of 174 credit points from the Bachelor of Engineering Diploma in Engineering Practice and 78 credit points relating to the Bachelor of Medical Science.

The engineering component of this course is made up of subjects selected from the engineering core, the engineering practice program and the engineering fields of practice (majors).

The medical science component represents a specific medical science strand.

Graduation from the medical science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Medical Science prior to completion of the engineering component of the combined degree must apply for transfer to the Bachelor of Medical Science (C10184) (see page 222) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the engineering component of the combined degree prior to completion of the medical science component they must apply for transfer to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) single degree program where they must complete all requirements for the stand-alone single degree version.

Further, students wishing to graduate from the engineering component of the combined degree prior to completion of the medical science component must have completed at least 60 credit points of the medical science major (STM90348).

Industrial training/professional practice

The Diploma in Engineering Practice requires the completion of two six-month internships and the Engineering Practice Program.

Course completion requirements

STM90106	Core subjects	48cp
STM90271	Engineering practice program	12cp
CBK90176	Major choice (Engineering)	114cp
STM90348	Core subjects (Medical Science)	78cp
		Total 252cp

Levels of award

The Bachelor of Engineering Diploma in Engineering Practice may be awarded with first or second class honours for meritorious performance in the course as a whole.

Honours

An honours program in medical science (C09031) (see page 118) is available, which involves an extra year of full-time study. The honours program is designed to introduce students to more advanced coursework and to research work in medical sciences. It allows selected students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, South Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). The Diploma in Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10078v6 Bachelor of Engineering Bachelor of Biotechnology

Award(s): Bachelor of Engineering in (name of Engineering major) (BE)
Bachelor of Biotechnology (BBiotech)
UAC code: 609380 (Autumn semester)
CRICOS code: 043276E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This combined degree is designed to provide opportunities for students interested in biotechnology, the scientific basis of engineering and technology, and the technology itself.

Engineers are needed in the biotechnology field to design new technologies for industries such as the food, agricultural, environmental and medical biotechnology industries.

A strong professional focus ensures graduates have the skills employers want with a solid link between theory and practice, and the benefits of hands-on experience.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Course aims

This course aims to produce graduates with professional qualifications in biotechnology and engineering who are well prepared to pursue a career in either field, or one that combines the skills of both.

Career options

Career options include positions in biotechnology, materials technology, medical technology and instrumentation, molecular biology and nanotechnology. Good employment opportunities exist with government scientific organisations, in research in universities, hospitals and industry, and in specialised development and consulting companies.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is provision for students already enrolled in a Bachelor of Biotechnology or a Bachelor of Engineering degree to transfer to this combined degree program. The eligibility criteria used to assess transfer applications are in line with those used by the Universities Admissions Centre to assess non-current school leaver applicants.

Current school leavers are advised to submit a HSC Bonus Scheme Questionnaire to UTS by 2 December.

Non-current school leavers are advised to complete the employment question on their UAC application as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course duration is five years full time, 10 years part time, or six years full time with honours.

Full-time attendance involves approximately 24 hours each week at the University, which allows a full stage of the course to be completed in one semester. Part-time attendance involves approximately 12 hours each week at the University, which allows a full stage to be completed in one year. It is expected that employers will release part-time students for at least one half-day a week for attendance at classes.

Course structure

The course comprises a total of 240 credit points, made up of 162 credit points of engineering subjects and 78 credit points of biotechnology subjects.

The engineering component of this course is made up of subjects selected from the engineering core and the engineering fields of practice (majors).

The biotechnology component represents a specific biotechnology strand. There is an emphasis on DNA technologies and applications, and on industrial aspects of biotechnology. Students attain a high level of competence in microbiology and biochemistry, and learn to design products involving the application of biotechnology in product manufacturing.

Graduation from the biotechnology component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Biotechnology prior to completion of the engineering component of the combined degree must apply for transfer to the Bachelor of Biotechnology (C10172) (see page 219) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the engineering component of the combined degree prior to completion of the biotechnology component they must apply for transfer to the Bachelor of Engineering (C10067) (see page 155) single degree program where they must complete all requirements for the stand-alone single degree version, including the Professional Practice (BE) subject.

Further, students wishing to graduate from the engineering component of the combined degree prior to completion of the biotechnology component must have completed at least 60 credit points of biotechnology subjects (STM90274).

Industrial training/professional practice

Students are required to undertake a minimum of 12 weeks of engineering experience.

A Diploma in Engineering Practice is also available. The Diploma in Engineering Practice requires the additional completion of two six-month internships and the engineering practice program.

Course completion requirements

STM90106	Core subjects	48cp
CBK90176	Major choice (Engineering)	114cp
STM90274	Core subjects (Biotechnology)	78cp
48100	Professional Practice (BE)	0cp
		Total 240cp

Course program

The example program below is for a full-time, Autumn-commencing student with electrical engineering as their chosen engineering major.

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp
65111	Chemistry 1	6cp

Spring semester

33230	Mathematical Modelling 2	6cp
48023	Programming Fundamentals	6cp
48520	Electronics and Circuits	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

48230	Engineering Communication	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48441	Introductory Digital Systems	6cp
91161	Cell Biology and Genetics	6cp

Spring semester

48240	Design and Innovation Fundamentals	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
91400	Human Anatomy and Physiology	6cp

Year 3

Autumn semester

48430	Embedded C	6cp
48531	Electromechanical Automation	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

48451	Advanced Digital Systems	6cp
48540	Signals and Systems	6cp
48250	Engineering Economics and Finance	6cp
91132	Molecular Biology 1	6cp

Year 4

Autumn semester

48260	Engineering Project Management	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
91142	Biotechnology	6cp
91144	Plant Biotechnology	6cp
48100	Professional Practice (BE)	0cp

Spring semester

48570	Data Acquisition and Distribution	6cp
48551	Analog Electronics	6cp
48550	Renewable Energy Systems	6cp

Select 6 credit points from the following options: 6cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 5

Autumn semester

48434	Embedded Software	6cp
48016	Capstone Project Part A	6cp
91369	Biobusiness and Environmental Biotechnology	6cp

Select one of the following: 6cp

91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp

Spring semester

48270	Entrepreneurship and Commercialisation	6cp
48026	Capstone Project Part B	6cp
48560	Introductory Control	6cp
91368	Bioreactors and Bioprocessing	6cp

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Honours

An honours program in biotechnology (C09022) (see page 116) is available, which involves an extra year of full-time study. The honours program is designed to introduce students to more advanced coursework and to research work in biotechnology. It allows selected students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). Depending on the disciplines chosen, students may also be eligible for entry to other relevant professional associations.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10079v5 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice

Award(s): Bachelor of Engineering in (name of Engineering major)
Diploma in Engineering Practice (BE DipEngPrac)
Bachelor of Biotechnology (BBiotech)
CRICOS code: 059754D
Commonwealth-supported place?: Yes
Load credit points: 252
Course EFTSL: 5.25
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Overview

This combined degree is the same as the Bachelor of Engineering Bachelor of Biotechnology (C10078) (see page 172), except for the additional requirement of two internships and completion of the engineering practice program. Students can transfer to this program if they wish to complete the Diploma in Engineering Practice.

Engineers are needed in the biotechnology field to design new technologies for industries such as the food, agricultural, environmental and medical biotechnology industries.

A strong professional focus ensures graduates of this course learn the skills employers want with a solid link between theory and practice, and the benefits of hands-on experience.

This combined degree can be completed in less time than would be required to complete the two degrees separately.

Course aims

This course aims to produce graduates with professional qualifications in biotechnology and engineering who are well prepared to pursue a career in either field, or one that combines the skills of both.

Career options

Career options include positions in biotechnology, materials technology, medical technology and instrumentation, molecular biology and nanotechnology. Good employment opportunities exist with government scientific organisations, research in universities, hospitals and industry, and in specialised development and consulting companies.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is provision for students already enrolled in a Bachelor of Biotechnology or a Bachelor of Engineering degree to transfer to this combined degree program. The eligibility criteria used to assess transfer applications are in line with those used by the Universities Admissions Centre to assess non-current school leaver applicants.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Entry to individual engineering majors is subject to ATAR requirements.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course duration is six years full time, 12 years part time, or seven years full time with honours.

Full-time attendance involves approximately 24 hours each week at the University, which allows a full stage of the course to be completed in one semester. Part-time attendance involves approximately 12 hours each week at the University, which allows a full stage to be completed in one year. It is expected that employers will release part-time students for at least one half-day a week for attendance at classes.

Course structure

The program comprises a total of 252 credit points, made up of 174 credit points relating to the Bachelor of Engineering Diploma in Engineering Practice and 78 credit points relating to the Bachelor of Biotechnology.

The engineering component of the course is made up of subjects selected from the engineering core, the engineering practice program and the engineering fields of practice (majors).

The biotechnology component represents a specific biotechnology strand. There is an emphasis on DNA technologies and applications, and industrial aspects of biotechnology. Students attain a high level of competence in microbiology and biochemistry, and learn to design products involving the application of biotechnology in product manufacturing.

Graduation from the biotechnology component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Biotechnology prior to completion of the engineering component of the combined degree must apply for transfer to the Bachelor of Biotechnology (C10172) (see page 219) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the engineering component of the combined degree prior to completion of the biotechnology component they must apply for transfer to the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) single degree program where they must complete all requirements for the stand-alone single degree version.

Further, students wishing to graduate from the engineering component of the combined degree prior to completion of the biotechnology component must have completed at least 60 credit points of biotechnology subjects (STM90274).

Industrial training/professional practice

The Diploma in Engineering Practice requires the completion of two six-month internships and the engineering practice program.

Course completion requirements

STM90106	Core subjects	48cp
STM90271	Engineering practice program	12cp
CBK90176	Major choice (Engineering)	114cp
STM90274	Core subjects (Biotechnology)	78cp
		Total 252cp

Levels of award

The Bachelor of Engineering Diploma in Engineering Practice may be awarded with first or second class honours for meritorious performance in the course as a whole.

Honours

An honours program in biotechnology (C09022) (see page 116) is available, which involves an extra year of full-time study. The honours program is designed to introduce students to more advanced coursework and to research work in biotechnology. It allows selected students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, South Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey). The Diploma in Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10115v7 Bachelor of Biomedical Science

Award(s): Bachelor of Biomedical Science (BBiomedSc)
UAC code: 607040 (Autumn semester, Spring semester)
CRICOS code: 026805D
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course provides an in-depth understanding of how the body works at the cellular level, what causes disease and the techniques of laboratory diagnosis of disease, including the expanding area of molecular-based diagnostic techniques. Students gain the underpinning knowledge and lab skills required to participate in research aimed at the prevention or treatment of disease.

This course provides a strong professional and industry focus. With extensive theoretical knowledge and advanced laboratory skills in medical laboratory science, students obtain a solid background in the biological/medical sciences and practical experimentation.

Career options

Career options include positions in diagnostic medical laboratories, pharmaceutical, biomedical and biotechnology industries. Students may pursue a career in biomedical research in hospitals or other research institutes. Biomedical science also provides excellent preparation for entry into graduate medical degrees.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and at least one science subject.

HSC Mathematics Extension 1 and Chemistry are recommended.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus.

Students may also be able to complete the course in part-time mode, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

The course comprises a total of 144 credit points. There is choice within the core subjects, enabling students to focus on a particular theme or area of expertise. The elective subjects enable students to increase their expertise in the biomedical science area or in other areas of science or other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects.

Course completion requirements

STM90680	Foundation stream (Life and Environmental Sciences)		48cp
STM90684	Core subjects (Medical and Molecular Biology)		48cp
91500	Histology		6cp
CBK90582	Elective 4		6cp
Select 36 credit points from the following options:			36cp
91129	Transfusion Science	6cp	
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	
91402	Anatomical Pathology	6cp	
91352	Parasitology	6cp	
			Total 144cp

Course program

Typical course programs are shown below.

Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91500	Histology	6cp
CBK90579	Elective 1	6cp

Spring semester

91132	Molecular Biology 1	6cp
CBK90580	Elective 2	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

CBK90581	Elective 3	6cp

Select 18 credit points from the following options: 18cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Spring semester

CBK90582	Elective 4	6cp

Select 18 credit points from the following options: 18cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp

Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
91161	Cell Biology and Genetics	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

65212	Chemistry 2	6cp

Autumn semester

33116	Statistical Design and Analysis	6cp
91107	The Biosphere	6cp
91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

91132	Molecular Biology 1	6cp
91123	Biocomplexity	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

91500	Histology	6cp
CBK90579	Elective 1	6cp

Select 12 credit points from the following options: 12cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Spring semester

CBK90580	Elective 2	6cp

Select 18 credit points from the following options: 18cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp

Year 4

Autumn semester

CBK90581	Elective 3	6cp
CBK90582	Elective 4	6cp

Select 6 credit points from the following options: 6cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Honours

The Bachelor of Science (Honours) in Biomedical Science (C09023) (see page 117) is available to eligible students with an additional one year of full-time study.

Professional recognition

The course is recognised by the Australian Institute of Medical Scientists (AIMS) (in order to secure AIMS accreditation, students must select 91402 Anatomical Pathology as one of their options).

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10122v10 Bachelor of Nursing

Award(s): Bachelor of Nursing (BN)
UAC code: 606000 (FT Kuring-gai) (Autumn semester), 606001 (PT Kuring-gai) (Autumn semester), 606002 (FT City) (Autumn semester), 606003 (Accelerated Program: Enrolled Nurse 2004 to 2008) (Autumn semester), 606004 (Accelerated Program: Enrolled Nurse 2009 onwards) (Autumn semester), 606005 (Accelerated Program: Graduate Entry) (Autumn semester)
CRICOS code: 019877B
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City and Kuring-gai campuses

Note(s)

Students admitted to the Bachelor of Nursing (standard program) before 2010 should refer to the course description in the 2009 handbook.

Students admitted to the Bachelor of Nursing (accelerated program) before 2011 should refer to the course description in the 2010 handbook.

Overview

The Bachelor of Nursing is designed to prepare students for the role of the registered nurse. The course incorporates a range of nursing subjects as well as behavioural science, physical science, ethics and professional subjects relevant to contemporary nursing practice. Graduates of the course are capable of delivering a high standard of confident, safe and therapeutic nursing care in a variety of health care settings. They demonstrate nursing care that is patient-centred, informed and responsible.

Clinical learning is a key element of the course with clinical placements in health care settings occurring in every semester. Learning technologies such as simulation, which is undertaken within the faculty's clinical practice laboratories, assist students in preparing for clinical practice. Across the course students develop an e-portfolio to showcase their abilities and facilitate career planning. In the third year of the course students are able to pursue an area of nursing interest by choosing a clinical specialty elective.

Course aims

The course aims to prepare graduates who are independent lifelong learners to be attuned to the needs of patients from diverse backgrounds; are patient-centred and value collaboration with patients and colleagues; seek evidence in the exercise of clinical judgment and safe practice; and act in a professional, compassionate and ethical manner. In addition, graduates are prepared to foster the development of nursing as a practice discipline and demonstrate leadership in health care.

Career options

Career options for registered nurses include working in diverse specialty areas such as community health, critical care, intensive care, aged care, mental health, operating theatres and paediatrics. Career progression opportunities include working as a clinical nurse consultant, clinical nurse specialist, nurse educator, nurse manager, nurse practitioner or rural and remote practice nurse.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The requirements specified above apply to the standard, three-year mode of the course. The accelerated program has the following requirements.

- **Bachelor of Nursing Accelerated: Graduate Entry**: applicants who have successfully completed an Australian (or overseas equivalent) bachelor's degree in health, human bioscience, or social science within eight years prior to entry are eligible to apply. Successful applicants are given advanced standing (four subjects = 24 credit points) for their previous studies and are able to complete the course in two years full time, inclusive of pre-semester and summer subjects. Successful completion of the four-week, pre-semester subject in January/February 2014 is required before proceeding to the Bachelor of Nursing: Accelerated Graduate Entry course.
- **Bachelor of Nursing Accelerated: Enrolled Nurse Certificate Entry** (graduates between 2004 to 2008): applicants must have completed the TAFE Certificate IV in Nursing (Enrolled Nurse) and have commenced their studies between 2003 and 2007. Hospital-trained enrolled nurses are not eligible for the accelerated course. Successful applicants are given advanced standing (five subjects = 30 credit points) for their previous studies and are able to complete the course in two years full time inclusive of pre-semester and summer subjects.
- **Bachelor of Nursing Accelerated: Enrolled Nurse Certificate or Diploma Entry**: applicants must have completed and commenced their studies in or after 2008 in either:
    - the TAFE Certificate IV in Nursing (Enrolled/Division 2 Nursing) or the TAFE Diploma/Advanced Diploma of Nursing (Enrolled/Division 2 Nursing), or
    - an Australian Health Practitioners Regulation Agency (AHPRA) approved Certificate IV in Nursing (Enrolled/Division 2 Nursing) or Diploma/Advanced Diploma of Nursing (Enrolled/Division 2 Nursing) leading to eligibility to enrol as a nurse with AHPRA.

Hospital-trained enrolled nurses are not eligible for the accelerated course. Successful applicants are given advanced standing (eight subjects = 48 credit points) for their previous studies and are able to complete the course in two years full time with no pre-semester or summer schools.

As part of its duty of care to patients and clients receiving health care in NSW, anyone who works in a NSW public health facility must first undergo a criminal record check. You must provide UTS with either evidence that a criminal record check has been conducted on you in your country, or a statutory declaration that you have no criminal record in your country of residence or in any country you have resided in. Participation in screening and vaccination against infectious diseases are prerequisites for students undertaking clinical placements in health facilities. Further information is available from:

www.nmh.uts.edu.au/students/current/clinical-practice/rules.html

Non-current school leavers are strongly advised to submit a personal statement directly to UTS by 30 November 2013. Further information is available from:

www.uts.edu.au/future-students/undergraduate/essential-information/applying

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass

Eligibility for admission does not guarantee offer of a place.

Local students

The UTS Year 12 Bonus Scheme awards bonus points to Australian high school applicants based on performance in HSC subjects that are relevant to the course applied for. Further details are available at:

www.uts.edu.au/future-students/undergraduate/high-school-students/year-12-bonus-scheme

In addition, current school leaver applicants who have met UTS matriculation with an ATAR of at least 69.00 and have B Nursing Kuring-gai campus full time (606000) as a first preference may be eligible for bonus marks on the basis of an interview. Marks are allocated for motivation, HSC marks in English and science, leadership and community service. Eligible applicants are contacted by telephone in early January.

International students

Applicants to the standard three-year course who have successfully completed a recognised pathway program in Australia can also apply.

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Entry to the B Nursing City campus (606002) is very competitive; applicants are encouraged to also include a preference for the B Nursing Kuring-gai campus (606000).

The TAFE Certificate IV in Nursing (Enrolled Nurse) and work experience do not satisfy the University's English proficiency requirements.

Assumed knowledge

Any two units of English.

Any two units of science and any two units of mathematics are recommended.

Course duration and attendance

The Bachelor of Nursing is offered at Kuring-gai campus on a full-time basis over three years and a part-time basis over six years, and at City campus on a full-time basis over three years.

The Accelerated Program: Graduate Entry is offered at Kuring-gai campus on a full-time basis over two years and a part-time basis over four years including a pre-semester school in February at commencement and Summer session.

The Accelerated Program: Enrolled Nurse is offered at Kuring-gai campus on a full-time basis over two years and a part-time basis over four years including Summer session.

Course structure

The course comprises 144 credit points, made up of nursing theory, science and clinical practice in a range of health facilities. Full-time students study four subjects per semester and part-time students study two subjects per semester.

Industrial training/professional practice

This course includes extensive nursing practice, which is a compulsory component. Students undertake nursing professional experience in a variety of healthcare and community settings. Clinical placements occur in blocks each semester and are in addition to time spent in the nursing clinical practice laboratories that simulate the clinical environment. The placements involve morning and evening shifts and in the final year some night duty may occur. The final year of the program has prolonged periods of clinical experience.

All nursing students must adhere to the requirements in the Ministry of Health policy directive, 'PD2011_005 Occupational Assessment, Screening and Vaccination Against Specified Infectious Diseases', prior to commencement of any clinical practice placements. The policy can be viewed at:

www.health.nsw.gov.au/policies/PD/2011/PD2011_005.html

The policy should be read in full as it outlines students' obligation for screening and immunisation against certain infectious diseases prior to commencing their clinical placement. Students are asked to provide evidence of their immunity or vaccination status, and

screening for tuberculosis (TB) status may also be required prior to the commencement of the first clinical placement. Students should be aware that if they do not meet the requirements of the policy they cannot commence the placement and as a result are not able to complete the course.

Students are also required to undertake a National Criminal Record Check and obtain a National Police Certificate. Further information is available at:

www.health.nsw.gov.au/jobs/student_clearance/index.asp

Course completion requirements

Select one of the following:			144cp
STM90330	Standard entry (BN)	144cp	
STM90331	Accelerated entry (BN)	144cp	
			Total 144cp

Course program

Programs are presented below for standard full-time and part-time attendance, as well as for the Accelerated, Enrolled Nurses and Accelerated, Graduate Entry programs.

Standard, full time

Year 1

Autumn semester

92313	Assessment and Therapeutics in Health Care 1	6cp
92327	Workshops for Practice Readiness 1	6cp
92326	Understanding the Person: Life Transitions	6cp
92320	Health and Society	6cp

Spring semester

92314	Assessment and Therapeutics in Health Care 2	6cp
92328	Workshops for Practice Readiness 2	6cp
92324	Professional Identity	6cp
91528	Health and Homeostasis	6cp

Year 2

Autumn or Spring semester

92323	Fundamentals of Mental Health Nursing	6cp
92315	Nursing Care of the Older Person	6cp
92322	Medical Surgical Nursing	6cp
92319	Family and Children's Nursing	6cp

Autumn semester

92317	Contemporary Indigenous Health and Wellbeing	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

92318	Evidence for Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 3

Autumn semester

92330	Complex Nursing Care: Medical Surgical	6cp
92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp
91527	Pathophysiology and Pharmacology 3	6cp

Spring semester

92331	Integrated Nursing Concepts	6cp
92312	Integrated Nursing Practice	6cp
92325	Professionalism in Context	6cp

Select 6 credit points from the following options:			6cp
92332	Introduction to Specialty Practice: Community Health Nursing	6cp	
92333	Introduction to Specialty Practice: Critical Care Nursing	6cp	
92334	Introduction to Specialty Practice: Family and Child Health Nursing	6cp	
92335	Introduction to Specialty Practice: Mental Health Nursing	6cp	
92336	Introduction to Specialty Practice: Palliative Care	6cp	
92337	Introduction to Specialty Practice: Women's Health	6cp	
92338	Introduction to Specialty Practice: Australian Indigenous Health Care	6cp	
92339	Introduction to Specialty Practice: Aged Care Nursing	6cp	
92340	Introduction to Specialty Practice: Paediatric Nursing	6cp	
92341	Introduction to Specialty Practice: Perioperative Nursing	6cp	

Standard, part time

Year 1

Autumn semester

92326	Understanding the Person: Life Transitions	6cp
92320	Health and Society	6cp

Spring semester

92324	Professional Identity	6cp
91528	Health and Homeostasis	6cp

Year 2

Autumn semester

92313	Assessment and Therapeutics in Health Care 1	6cp
92327	Workshops for Practice Readiness 1	6cp

Spring semester

92314	Assessment and Therapeutics in Health Care 2	6cp
92328	Workshops for Practice Readiness 2	6cp

Year 3

Autumn semester

92315	Nursing Care of the Older Person	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp

Spring semester

92319	Family and Children's Nursing	6cp
92318	Evidence for Nursing	6cp

Year 4

Autumn semester

92323	Fundamentals of Mental Health Nursing	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

92322	Medical Surgical Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 5

Autumn semester

92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp

Select 6 credit points of options		6cp

Spring semester

92325	Professionalism in Context	6cp

Select 6 credit points from the following options:			6cp
92332	Introduction to Specialty Practice: Community Health Nursing	6cp	
92333	Introduction to Specialty Practice: Critical Care Nursing	6cp	
92334	Introduction to Specialty Practice: Family and Child Health Nursing	6cp	
92335	Introduction to Specialty Practice: Mental Health Nursing	6cp	
92336	Introduction to Specialty Practice: Palliative Care	6cp	
92337	Introduction to Specialty Practice: Women's Health	6cp	
92338	Introduction to Specialty Practice: Australian Indigenous Health Care	6cp	
92339	Introduction to Specialty Practice: Aged Care Nursing	6cp	
92340	Introduction to Specialty Practice: Paediatric Nursing	6cp	
92341	Introduction to Specialty Practice: Perioperative Nursing	6cp	

Year 6

Autumn semester

91527	Pathophysiology and Pharmacology 3	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92331	Integrated Nursing Concepts	6cp
92312	Integrated Nursing Practice	6cp

Accelerated, graduate entry, full time

Year 1

Summer session

91528	Health and Homeostasis	6cp
92017	Health Assessment and Nursing Therapeutics	6cp

Autumn semester

92024	Medical Surgical Nursing (Graduate Entry)	6cp
91529	Pathophysiology and Pharmacology 1	6cp
92320	Health and Society	6cp
92326	Understanding the Person: Life Transitions	6cp

Spring semester

92015	Fundamentals of Mental Health Nursing (Graduate Entry)	6cp
92016	Workshops for Practice Readiness (Graduate Entry)	6cp
92318	Evidence for Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 2

Summer session

92315	Nursing Care of the Older Person	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp

Autumn semester

91527	Pathophysiology and Pharmacology 3	6cp
92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92312	Integrated Nursing Practice	6cp
92319	Family and Children's Nursing	6cp
92331	Integrated Nursing Concepts	6cp
92325	Professionalism in Context	6cp

Accelerated, graduate entry, part time

Year 1

Summer session

91528	Health and Homeostasis	6cp
92017	Health Assessment and Nursing Therapeutics	6cp

Autumn semester

92024	Medical Surgical Nursing (Graduate Entry)	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

92016	Workshops for Practice Readiness (Graduate Entry)	6cp
92318	Evidence for Nursing	6cp

Year 2

Summer session

92315	Nursing Care of the Older Person	6cp

Autumn semester

92320	Health and Society	6cp
92326	Understanding the Person: Life Transitions	6cp

Spring semester

92015	Fundamentals of Mental Health Nursing (Graduate Entry)	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 3

Summer session

92317	Contemporary Indigenous Health and Wellbeing	6cp

Autumn semester

92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92319	Family and Children's Nursing	6cp
92325	Professionalism in Context	6cp

Year 4

Autumn semester

91527	Pathophysiology and Pharmacology 3	6cp
92316	Complex Nursing Care: Mental Health	6cp

Spring semester

92312	Integrated Nursing Practice	6cp
92331	Integrated Nursing Concepts	6cp

Accelerated, enrolled nurse entry 1, full time

Year 1

Summer session

91528	Health and Homeostasis	6cp

Autumn semester

92014	Role Transition and Professional Identity	6cp
92322	Medical Surgical Nursing	6cp
91529	Pathophysiology and Pharmacology 1	6cp
92320	Health and Society	6cp

Spring semester

92025	Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1)	6cp
92318	Evidence for Nursing	6cp
92319	Family and Children's Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 2

Summer session

92315	Nursing Care of the Older Person	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp

Autumn semester

91527	Pathophysiology and Pharmacology 3	6cp
92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92312	Integrated Nursing Practice	6cp
92331	Integrated Nursing Concepts	6cp
92325	Professionalism in Context	6cp

Select 6 credit points from the following options: 6cp

92332	Introduction to Specialty Practice: Community Health Nursing	6cp
92333	Introduction to Specialty Practice: Critical Care Nursing	6cp
92334	Introduction to Specialty Practice: Family and Child Health Nursing	6cp
92335	Introduction to Specialty Practice: Mental Health Nursing	6cp
92336	Introduction to Specialty Practice: Palliative Care	6cp
92337	Introduction to Specialty Practice: Women's Health	6cp
92338	Introduction to Specialty Practice: Australian Indigenous Health Care	6cp
92339	Introduction to Specialty Practice: Aged Care Nursing	6cp
92340	Introduction to Specialty Practice: Paediatric Nursing	6cp
92341	Introduction to Specialty Practice: Perioperative Nursing	6cp

Accelerated, enrolled nurse entry 1, part time

Year 1

Summer session

91528	Health and Homeostasis	6cp

Autumn semester

92014	Role Transition and Professional Identity	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

91530	Pathophysiology and Pharmacology 2	6cp
92319	Family and Children's Nursing	6cp

Year 2

Summer session

92315	Nursing Care of the Older Person	6cp

Autumn semester

92320	Health and Society	6cp
92322	Medical Surgical Nursing	6cp

Spring semester

92025	Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1)	6cp
92318	Evidence for Nursing	6cp

Year 3

Summer session

92317	Contemporary Indigenous Health and Wellbeing	6cp

Autumn semester

92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92325	Professionalism in Context	6cp

Select 6 credit points from the following options: 6cp

CBK90819	Choice	6cp

Year 4

Autumn semester

92316	Complex Nursing Care: Mental Health	6cp
91527	Pathophysiology and Pharmacology 3	6cp

Spring semester

92312	Integrated Nursing Practice	6cp
92331	Integrated Nursing Concepts	6cp

Accelerated, enrolled nurse entry 2, full time

Year 1

Autumn semester

92014	Role Transition and Professional Identity	6cp
92322	Medical Surgical Nursing	6cp
91529	Pathophysiology and Pharmacology 1	6cp
92320	Health and Society	6cp

Spring semester

92317	Contemporary Indigenous Health and Wellbeing	6cp
92318	Evidence for Nursing	6cp
92319	Family and Children's Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 2

Autumn semester

91527	Pathophysiology and Pharmacology 3	6cp
92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92312	Integrated Nursing Practice	6cp
92331	Integrated Nursing Concepts	6cp
92325	Professionalism in Context	6cp

Select 6 credit points from the following options: 6cp

92332	Introduction to Specialty Practice: Community Health Nursing	6cp
92333	Introduction to Specialty Practice: Critical Care Nursing	6cp
92334	Introduction to Specialty Practice: Family and Child Health Nursing	6cp
92335	Introduction to Specialty Practice: Mental Health Nursing	6cp
92336	Introduction to Specialty Practice: Palliative Care	6cp
92337	Introduction to Specialty Practice: Women's Health	6cp
92338	Introduction to Specialty Practice: Australian Indigenous Health Care	6cp
92339	Introduction to Specialty Practice: Aged Care Nursing	6cp
92340	Introduction to Specialty Practice: Paediatric Nursing	6cp
92341	Introduction to Specialty Practice: Perioperative Nursing	6cp

Accelerated, enrolled nurse entry 2, part time

Year 1

Autumn semester

92014	Role Transition and Professional Identity	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

91530	Pathophysiology and Pharmacology 2	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp

Year 2

Autumn semester

92320	Health and Society	6cp
92322	Medical Surgical Nursing	6cp

Spring semester

92318	Evidence for Nursing	6cp
92319	Family and Children's Nursing	6cp

Year 3

Autumn semester

92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp

Spring semester

92325	Professionalism in Context	6cp

Select 6 credit points from the following options: 6cp

CBK90819	Choice	6cp

Year 4

Autumn semester

92316	Complex Nursing Care: Mental Health	6cp
91527	Pathophysiology and Pharmacology 3	6cp

Spring semester

92312	Integrated Nursing Practice	6cp
92331	Integrated Nursing Concepts	6cp

Honours

The Bachelor of Nursing (Honours) (C09018) (see page 114) is available to eligible students with an additional year of full-time study, or two years of part-time study.

Professional recognition

Nursing and Midwifery Board of Australia. See the faculty rules (see page 77) for more information.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C10123v6 Bachelor of Nursing Bachelor of Arts in International Studies

Award(s): Bachelor of Nursing (BN)
Bachelor of Arts in International Studies (BA)
UAC code: 609150 (Autumn semester)
CRICOS code: 026198M
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

Students admitted to the Bachelor of Nursing Bachelor of Arts in International Studies before 2010 should refer to the course description in the 2009 handbook.

Overview

The Bachelor of Nursing Bachelor of Arts in International Studies combines preparation for the role of the registered nurse with immersion in another language and culture, enhancing professional education and career options.

The course offers all the benefits of the UTS Bachelor of Nursing, including clinical placements every semester, use of state-of-the-art facilities, selection of a clinical elective in the final year and development of an e-portfolio. In addition, students gain specific skills in their chosen language and culture and become more aware of the need for intercultural sensitivities, not only through studying another language and culture, but also by living in another country in the fourth year of the course.

Career options

Career options for registered nurses include working in diverse specialty areas such as community health, critical care, intensive care, aged care, mental health, operating theatres and paediatrics. Career progression opportunities include working as a clinical nurse consultant, clinical nurse specialist, nurse educator, nurse manager, nurse practitioner or rural and remote practice nurse. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Nursing (C10122) (see page 176).

There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English (nursing component). There are no prior language requirements (international studies component).

Any two units of science and any two units of mathematics are recommended (nursing component).

External articulation

UTS offers an accelerated Bachelor of Nursing program to students who have completed the TAFE Certificate IV in Enrolled Nursing, and to students who have completed a degree in another discipline within the past seven years. Enrolled nurses receive 36 credit points of exemption and graduates receive 30 credit points of exemption. Applicants must have completed their qualification by December of the previous year to be eligible for the accelerated program. Spaces are limited in these accelerated programs and offers are based on competition.

Course duration and attendance

The course duration is five years of full-time study. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students are required to complete 240 credit points of study comprising 144 credit points in nursing and 96 credit points in international studies. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

The Bachelor of Nursing includes extensive clinical practice, which is a compulsory component of the course, commencing in the first semester. Students may be required to complete clinical practice during the semester break period.

Course completion requirements

CBK90005	Country major choice		96cp
Select one of the following:			144cp
STM90330	Standard entry (BN)	144cp	
STM90331	Accelerated entry (BN)	144cp	
			Total 240cp

Course program

The example programs shown are for a standard-entry student who has chosen Germany as the International Studies major; and for an accelerated program graduate-entry student who has chosen Spain as the International Studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Standard, full time

Year 1

Autumn semester

92313	Assessment and Therapeutics in Health Care 1	6cp
92327	Workshops for Practice Readiness 1	6cp
92326	Understanding the Person: Life Transitions	6cp
92320	Health and Society	6cp

Spring semester

92314	Assessment and Therapeutics in Health Care 2	6cp
92324	Professional Identity	6cp
91528	Health and Homeostasis	6cp
92328	Workshops for Practice Readiness 2	6cp

Year 2

Autumn semester

92315	Nursing Care of the Older Person	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp
97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp

Spring semester

97602	German Language and Culture 2	8cp
92319	Family and Children's Nursing	6cp
92318	Evidence for Nursing	6cp

Year 3

Autumn semester

92323	Fundamentals of Mental Health Nursing	6cp
91529	Pathophysiology and Pharmacology 1	6cp
97603	German Language and Culture 3	8cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
92322	Medical Surgical Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 4

Autumn or Spring semester

977420	In-country Study 1: Germany	24cp
978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

92330	Complex Nursing Care: Medical Surgical	6cp
92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp
91527	Pathophysiology and Pharmacology 3	6cp

Spring semester

92331	Integrated Nursing Concepts	6cp
92312	Integrated Nursing Practice	6cp
92325	Professionalism in Context	6cp

Select 6 credit points from the following options:		6cp
92332	Introduction to Specialty Practice: Community Health Nursing	6cp
92333	Introduction to Specialty Practice: Critical Care Nursing	6cp
92334	Introduction to Specialty Practice: Family and Child Health Nursing	6cp
92335	Introduction to Specialty Practice: Mental Health Nursing	6cp
92336	Introduction to Specialty Practice: Palliative Care	6cp
92337	Introduction to Specialty Practice: Women's Health	6cp
92338	Introduction to Specialty Practice: Australian Indigenous Health Care	6cp
92339	Introduction to Specialty Practice: Aged Care Nursing	6cp
92340	Introduction to Specialty Practice: Paediatric Nursing	6cp
92341	Introduction to Specialty Practice: Perioperative Nursing	6cp
Select 6 credit points of options		6cp

Honours

The Bachelor of Nursing (Honours) (C09018) (see page 114) is available to eligible students with an additional year of full-time study or two years of part-time study.

Professional recognition

Nursing and Midwifery Board of Australia. See the faculty rules (see page 77) for more information.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)
or +61 2 9514 1222
or +61 2 9514 5021
Ask UTS www.ask.uts.edu.au
www.health.uts.edu.au
www.internationalstudies.uts.edu.au

C10124v7 Bachelor of Laws

Award(s): Bachelor of Laws (LLB)
UAC code: 604000 (FT) (Autumn semester), 604001 (PT) (Spring semester)
CRICOS code: 013614G
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City campus

Overview

This course teaches students foundational knowledge and skills in law and its practice. UTS: Law graduates are increasingly in demand in the legal profession and the business sector in a wide range of roles and responsibilities. Today's law graduates are called upon to advise and counsel parties, act as negotiators, manage project teams and resolve disputes.

This course provides full-time or part-time study for students wishing to obtain a professional legal qualification that satisfies the requirements for admission as a lawyer.

Students have the opportunity to engage in deeper study of the law by undertaking a number of law options and incorporate a broad variety of other disciplines by enrolling in options from other faculties.

Career options

Career options include lawyer or legal policy adviser within a government or corporate department, private law firm or community law centre, or negotiating treaties or work in legislation drafting with the Attorney-General's Department.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Proficiency in English.

Credit recognition

Students who have already completed a degree in another discipline may apply for exemption from 48 credit points of general law electives. Details about applying for credit recognition can be found in undergraduate course information (see page 99).

Course duration and attendance

The course duration is four years of full-time or six-and-a-half years of part-time study. Full-time students have approximately 10–14.5 contact hours per week and part-time students have approximately 7–9.5 contact hours per week. Timetable constraints may require attendance at both day and evening classes.

Course structure

The course comprises a total of 192 credit points. The study components for course completion are:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options,
- a 6-credit-point legal theory option, and either:
  - 48 credit points of electives that include subjects offered by other faculties of the University (for students who have not received exemption on the basis of a recognised prior degree), or
  - 18 credit points of practical legal training (PLT) subjects plus 30 credit points of electives.

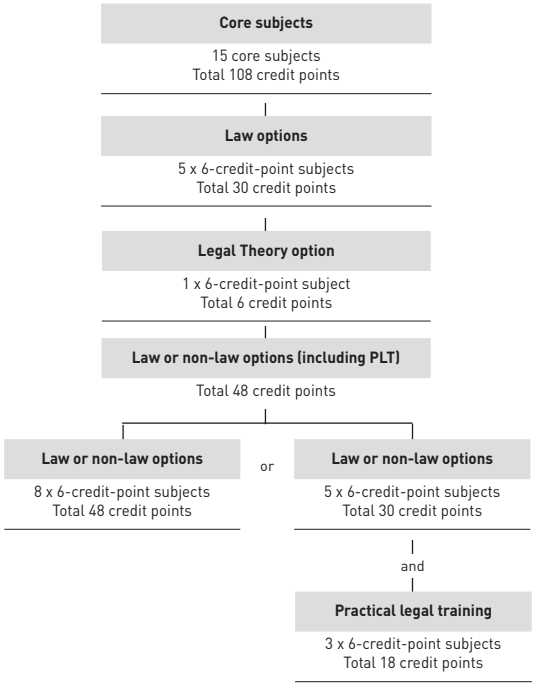
Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure. For a current listing of subjects in each course, refer to the study package directory.

Industrial training/professional practice

To practise as a lawyer in NSW, students need to successfully complete an accredited legal qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in the Bachelor of Laws have the option of completing the PLT program within their undergraduate law degree.

Course diagram



Alternatively, students who wish to practise as lawyers in NSW can complete their Bachelor of Laws by including further law electives and then undertake a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90832	Core (Law)	108cp
CBK90922	Options (Law UG)	30cp
CBK90923	Options (Legal Theory UG)	6cp
CBK90391	Options	48cp
		Total 192cp

Course program

The two programs below show the standard programs of study for a full-time student and a part-time student.

The 84 credit points of optional subjects are made up of:

- 30 credit points of law options from CBK90922,
- a 6-credit-point legal theory option from CBK90923, and either 48 credit points of electives from CBK90300, or
- 30 credit points of electives from CBK90390 and 18 credit points of PLT subjects from STM90792.

Full time

Year 1

Autumn semester

70114	Criminal Law and Procedure	8cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70211	Contracts	8cp
70311	Torts	8cp
70616	Australian Constitutional Law	8cp

Year 2

Autumn semester

70317	Real Property	8cp
70104	Civil Practice	6cp
70327	Commercial Law	6cp
71116	Remedies	6cp

Spring semester

70517	Equity and Trusts	8cp
70617	Administrative Law	8cp
70109	Evidence	6cp

Year 3

Autumn semester

70108	Public International Law	6cp

Select 18 credit points of options 18cp

Spring semester

70417	Corporate Law	8cp

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select two subjects from the following: 12cp

CBK90922	Options (Law UG)	30cp

Year 4

Autumn semester

Select 24 credit points of options 24cp

Spring semester

75411	Practical Experience	0cp
75422	Transactional Practice	6cp
75424	Legal and Professional Skills	6cp
75423	Litigation and Estate Practice	6cp

Select 6 credit points of options 6cp

Part time

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp

Spring semester

70327	Commercial Law	6cp
70104	Civil Practice	6cp
71116	Remedies	6cp

Year 3

Autumn semester

70317	Real Property	8cp
70617	Administrative Law	8cp

Spring semester

70517	Equity and Trusts	8cp
70109	Evidence	6cp

Year 4

Autumn semester

70417	Corporate Law	8cp
70108	Public International Law	6cp

Spring semester

Select 12 credit points of options 12cp

Year 5

Autumn semester

Select 18 credit points of options 18cp

Spring semester

Select 18 credit points of options 18cp

Year 6

Autumn semester

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select one subject from the following: 6cp

CBK90922	Options (Law UG)	30cp

Spring semester

75424	Legal and Professional Skills	6cp
75422	Transactional Practice	6cp

Year 7

Autumn semester

75411	Practical Experience	0cp
75423	Litigation and Estate Practice	6cp

Select 6 credit points of options 6cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 100).

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer provided students undertake the optional practical legal training program as part of the course.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

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C10125v9 Bachelor of Business Bachelor of Laws

Award(s): Bachelor of Business (BBus)
Bachelor of Laws (LLB)
UAC code: 609010 (Autumn semester)
CRICOS code: 008756B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This combined program is offered jointly by UTS: Law and UTS: Business. One of the most popular combined degrees offered by UTS: Law, the Bachelor of Business Bachelor of Laws combines foundational understanding of law and important aspects of business with a wide choice of business majors and sub-majors, with real-world experience to make students work-ready upon graduation.

The program provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements only for admission as a lawyer.

The degree seeks to provide students with the knowledge, competencies and values necessary to develop critical, analytical and evaluative skills essential for a dynamic and rewarding career in business and law.

Career options

Career options include legal adviser within a government department, lawyer in corporate and commercial sector, mergers and acquisitions, property, and intellectual property, as well as management consultant or professional in the chosen business specialisation (such as an accountant or marketing executive).

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Proficiency in English and mathematics.

Course duration and attendance

The course duration is five years of full-time study. The law component requires attendance of 10-15 hours of lectures a week and timetable constraints may require attendance at both daytime and evening classes.

Course structure

The course comprises a total of 240 credit points, allowing students to graduate with the separate degrees of Bachelor of Business and Bachelor of Laws. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- 6 credit points of legal theory options.

The business component of 96 credit points comprises:

- 48 credit points of core business subjects, and
- 48 credit points of subjects within a business major.

Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure. For a current listing of subjects in each course refer to the study package directory.

Industrial training/professional practice

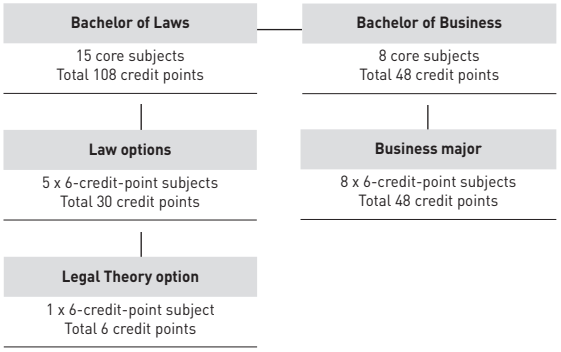
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90273	Core subjects (Business)	48cp
STM90691	Law stream	144cp
CBK90169	Major choice (Business)	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student who has chosen the Human Resources Management major in the Bachelor of Business and law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

21129	Managing People and Organisations	6cp
22107	Accounting for Business Decisions A	6cp
23115	Economics for Business	6cp
26100	Integrating Business Perspectives	6cp

Spring semester

24108	Marketing Foundations	6cp
26134	Business Statistics	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Year 2

Autumn semester

22207	Accounting for Business Decisions B	6cp
70311	Torts	8cp
70114	Criminal Law and Procedure	8cp

Spring semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
25300	Fundamentals of Business Finance	6cp

Year 3

Autumn semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
21555	Human Resource Management	6cp
21510	The Global Context of Management	6cp

Spring semester

70317	Real Property	8cp
71116	Remedies	6cp
70109	Evidence	6cp
21440	Management Skills	6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 4

Autumn semester

70617	Administrative Law	8cp
70517	Equity and Trusts	8cp
21037	Managing Employee Relations	6cp

Spring semester

21036	Managing Strategic Performance	6cp
21407	Strategic Human Resource Management	6cp
21512	Understanding Organisations: Theory and Practice	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Year 5

Autumn semester

70417	Corporate Law	8cp
21505	Human Resource Management (Capstone)	6cp
70108	Public International Law	6cp

Select 6 credit points of options 6cp

Spring semester

Select 24 credit points of options 24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 100).

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10126v7 Bachelor of Science Bachelor of Laws

Award(s): Bachelor of Science in (name of Science major) (BSc) Bachelor of Laws (LLB)
UAC code: 609060 (Autumn semester)
CRICOS code: 009473E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Science Bachelor of Laws is offered jointly by UTS: Law and UTS: Science. The law is of special importance in many areas of science, including research, industrial and commercial enterprise.

The program provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements only for admission as a lawyer together with a science specialisation.

The course addresses the increasing need for scientific expertise among lawyers. Graduates develop critical and analytical skills necessary when making decisions as they understand the complex links between science and law, increasing their employment prospects and career opportunities in both fields.

Career options

Career options include lawyers in areas where strong scientific backgrounds are valued, such as conservation and resource management, climate change advisory roles, defence technologies, environmental pollution regulations, finance, human health, industrial and occupational health and safety, pharmaceutical and biotechnological R&D and scientific patents.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

English proficiency; Mathematics; and Science.

Course duration and attendance

The course duration is five years of full-time study. For students who undertake the Bachelor of Science (Honours) the course duration is six years of full-time study.

The law component requires attendance at 10-15 hours of lectures a week and timetable constraints may require attendance at daytime and evening classes. The science component requires attendance of approximately 10 hours a week at the University.

Course structure

The course comprises a total of 240 credit points and allows students to graduate with the separate degrees of Bachelor of Science (BSc) and Bachelor of Laws (LLB). The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- 6 credit points of legal theory options.

The science component comprises 96 credit points of core science subjects taken from one of 10 specified majors representing different science disciplines.

Students graduate from the BSc independently from the LLB. However, to be eligible for graduation from the BSc students must complete one of the 96-credit-point UTS: Science majors plus at least 96 credit points of Bachelor of Law subjects.

Graduation from the science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Science prior to completion of the law component of the combined degree must apply for transfer to the Bachelor of Science (C10242) (see page 248) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, a student can graduate from the law component of the combined degree prior to completion of the science component, but if they wish to continue with the science component, they must apply for transfer to the Bachelor of Science (C10242) (see page 248) single degree program where they need to complete all requirements for the stand-alone single degree version.

Industrial training/professional practice

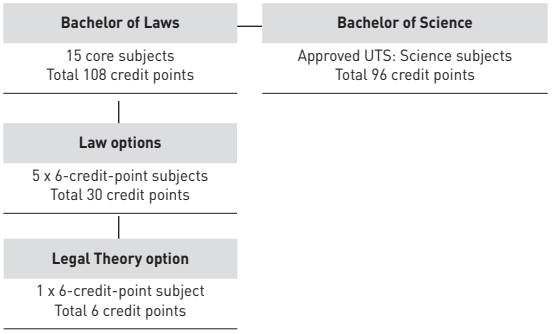
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
CBK90585	Major choice (Science)	96cp
		Total 240cp

Course diagram



Course program

The program shown is for a full-time student who has chosen one of the science majors and law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

List of majors

MAJ01079	Applied Chemistry	96cp
MAJ01080	Applied Physics	96cp
MAJ01085	Nanotechnology	96cp
MAJ01081	Biomedical Science	96cp
MAJ01114	Medical Science	96cp
MAJ01115	Biotechnology	96cp
MAJ01082	Environmental Biology	96cp
MAJ01113	Environmental Forensics	96cp
MAJ01112	Marine Biology	96cp
MAJ01116	Mathematics	96cp

Applied Chemistry major

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
33290	Statistics and Mathematics for Science	6cp

Year 2

Autumn semester

70211	Contracts	8cp
65212	Chemistry 2	6cp
68101	Foundations of Physics	6cp

Spring semester

70104	Civil Practice	6cp
70616	Australian Constitutional Law	8cp
70327	Commercial Law	6cp
68201	Physics in Action	6cp

Year 3

Autumn semester

71116	Remedies	6cp
70317	Real Property	8cp
65411	Inorganic Chemistry 1	6cp
65202	Organic Chemistry 1	6cp

Spring semester

70617	Administrative Law	8cp
65306	Analytical Chemistry 1	6cp
65508	Organic Chemistry 2	6cp
70517	Equity and Trusts	8cp

Year 4

Autumn semester

65307	Physical Chemistry 1	6cp
65409	Analytical Chemistry 2	6cp
70417	Corporate Law	8cp
70109	Evidence	6cp

Spring semester

65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
70108	Public International Law	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Year 5

Autumn semester

65410	Chemical Safety and Legislation	6cp
65509	Inorganic Chemistry 2	6cp

Select 12 credit points of options 12cp

Spring semester

Select 18 credit points of options 18cp

Applied Physics major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
68101	Foundations of Physics	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
68315	Imaging Science	6cp
33360	Mathematics for Physical Science	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

68413	Quantum Physics	6cp
68075	Nanomaterials	6cp
68412	Energy Science and Technology	6cp

Spring semester

70109	Evidence	6cp
70108	Public International Law	6cp

Select 12 credit points from the following options: 12cp

68320	Scanning Probe and Electron Microscopy	6cp
68414	Advanced Mechanics	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68513	Optics and Nanophotonics	6cp

Year 5

Autumn semester

68606	Solid-state Science and Nanodevices	6cp

Select one of the following: 6cp

68316	Applied Electronics and Interfacing	6cp
68416	Computational Physics	6cp

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select one subject from the following: 6cp

CBK90922	Options (Law UG)	30cp

Spring semester

Select 24 credit points of options 24cp

Biomedical Science major

Year 1

Autumn semester

65111	Chemistry 1	6cp
#		
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
91161	Cell Biology and Genetics	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
91314	General Microbiology	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
91132	Molecular Biology 1	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

91326	Analytical Biochemistry	6cp
91500	Histology	6cp

Select one of the following: 6cp

91703	Physiological Systems	6cp
91142	Biotechnology	6cp

Select 6 credit points of options 6cp

Spring semester

70109	Evidence	6cp

Select two subjects from the following: 12cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Year 5

Autumn semester

70108	Public International Law	6cp

Select two subjects from the following: 12cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Spring semester

Select 24 credit points of options 24cp

Biotechnology major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
91314	General Microbiology	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

91132	Molecular Biology 1	6cp
91326	Analytical Biochemistry	6cp
91142	Biotechnology	6cp
70108	Public International Law	6cp

Spring semester

70109	Evidence	6cp
91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp

Select 6 credit points from the following options: 6cp

91129	Transfusion Science	6cp
91352	Parasitology	6cp
91345	Biochemistry, Genes and Disease	6cp
91402	Anatomical Pathology	6cp

Year 5

Autumn semester

91369	Biobusiness and Environmental Biotechnology	6cp

Select one of the following: 6cp

91359	Advanced Immunology	6cp
91335	Molecular Biology 2	6cp

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select one subject from the following: 6cp

CBK90922	Options (Law UG)	30cp

Spring semester

Select 24 credit points of options 24cp

Environmental Biology major

Year 1

Autumn semester

91107	The Biosphere	6cp
65111	Chemistry 1	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
91154	Ecology	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
91110	Experimental Design and Sampling	6cp
91145	Environmental Protection and Management	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Select 6 credit points from the following options: 6cp

91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
91163	Alpine and Lowland Ecology	6cp

Spring semester

70109	Evidence	6cp

Select two subjects from the following: 12cp

91155	Stream and Lake Assessment	6cp
91163	Alpine and Lowland Ecology	6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp

Select one subject from the following: 6cp

CBK90922	Options (Law UG)	30cp

Year 5

Autumn semester

70108	Public International Law	6cp
91309	Biodiversity Conservation	6cp

Select one of the following: 6cp

91121	Aquatic Ecology	6cp
91116	Wildlife Ecology	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options 24cp

Environmental Forensics major

Year 1

Autumn semester

91107	The Biosphere	6cp
65111	Chemistry 1	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
91154	Ecology	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
91159	Environmental Forensics	6cp
65621	Environmental Chemistry	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
91145	Environmental Protection and Management	6cp
91110	Experimental Design and Sampling	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Select 6 credit points from the following options: 6cp

91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
65242	Principles of Forensic Science	6cp
91163	Alpine and Lowland Ecology	6cp

Spring semester

70109	Evidence	6cp
79023	Environmental Forensic Law	6cp

Select one subject from the following: 6cp

91155	Stream and Lake Assessment	6cp
91163	Alpine and Lowland Ecology	6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp

Select one subject from the following: 6cp

CBK90922	Options (Law UG)	30cp

Year 5

Autumn semester

70108	Public International Law	6cp
91121	Aquatic Ecology	6cp
79004	Environmental Law and Science	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options 24cp

Marine Biology major

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
91107	The Biosphere	6cp
65111	Chemistry 1	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
91154	Ecology	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
91157	Marine Communities	6cp
91270	Plant Physiology and Ecophysiology	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
91110	Experimental Design and Sampling	6cp
91145	Environmental Protection and Management	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

91126	Coral Reef Ecosystems	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp
91309	Biodiversity Conservation	6cp

Spring semester

70109	Evidence	6cp
91156	Marine Productivity and Climate Change	6cp

Select 6 credit points of options 6cp

Year 5

Autumn semester

70108	Public International Law	6cp
91118	Fisheries Resources	6cp

Select one of the following: 6cp

66513	Marine Geosciences	6cp
91120	GIS and Remote Sensing	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options 24cp

Mathematics major

Year 1

Autumn semester

35151	Introduction to Statistics	6cp
35101	Introduction to Linear Dynamical Systems	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35140	Introduction to Quantitative Management	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
35100	Introduction to Sample Surveys	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
35241	Optimisation in Quantitative Management	6cp
35111	Applications of Discrete Mathematics	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
35212	Computational Linear Algebra	6cp
35363	Stochastic Models	6cp

Spring semester

70517	Equity and Trusts	8cp
70417	Corporate Law	8cp
35353	Regression Analysis	6cp

Select 6 credit points from the following options: 6cp

35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Year 4

Autumn semester

35231	Differential Equations	6cp
70617	Administrative Law	8cp
35232	Advanced Calculus	6cp

Select 6 credit points from the following options: 6cp

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp

Spring semester

70109	Evidence	6cp

Select 12 credit points from the following options: 12cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Year 5

Autumn semester

70108	Public International Law		6cp
Select one subject from the following:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	
Select one subject from the following:			6cp
CBK90922	Options (Law UG)	30cp	

Spring semester

Select 24 credit points of options	24cp

Medical Science major

Year 1

Autumn semester

65111	Chemistry 1	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
91161	Cell Biology and Genetics	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
91314	General Microbiology	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
68041	Physical Aspects of Nature	6cp
91239	Human Pathophysiology	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
91703	Physiological Systems	6cp
91705	Medical Devices and Diagnostics	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

91707	Pharmacology 1		6cp
91320	Metabolic Biochemistry		6cp
Select one subject from the following:			6cp
91132	Molecular Biology 1	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Spring semester

70109	Evidence	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
Select 6 credit points of options		6cp

Year 5

Autumn semester

70108	Public International Law		6cp
91706	Neuroscience		6cp
Select one subject from the following:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	
Select one subject from the following:			6cp
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	

Spring semester

Select 24 credit points of options	24cp

Nanotechnology major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
68101	Foundations of Physics	6cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp
33360	Mathematics for Physical Science	6cp
68315	Imaging Science	6cp

Spring semester

70417	Corporate Law	8cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp

Year 4

Autumn semester

68413	Quantum Physics	6cp
68075	Nanomaterials	6cp
65307	Physical Chemistry 1	6cp

Spring semester

70109	Evidence	6cp
Select two subjects from the following:		12cp
67510	Surface Processes	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68513	Optics and Nanophotonics	6cp
91140	BioNanotechnology	6cp
Select one subject from the following:		6cp
CBK90922	Options (Law UG)	30cp

Year 5

Autumn semester

70108	Public International Law	6cp
68606	Solid-state Science and Nanodevices	6cp
67509	Molecular Nanotechnology	6cp

Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws is available with honours and requires candidates to complete the research thesis within the law option component.

Honours

The Bachelor of Science (Honours) is available in all disciplines as an additional year to meritorious students. It is designed to introduce students to research and more advanced coursework. It allows eligible students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students undertake the optional PLT component.

Depending on the science specialisation and subjects chosen, graduates may be eligible for admission to the relevant scientific professional organisation.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10129v6 Bachelor of Laws Bachelor of Arts in International Studies

Award(s): Bachelor of Laws (LLB)
Bachelor of Arts in International Studies (BA)
UAC code: 609070 (Autumn semester)
CRICOS code: 026195C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Laws Bachelor of Arts in International Studies is offered jointly by UTS: Law and UTS: International Studies. The course is designed for students who wish to provide specialised legal services to international organisations and to satisfy the demand for lawyers who can act for foreign investors.

Career prospects are enhanced by international experience, making students more marketable to prospective employers both locally and internationally.

The course offers students the opportunity to gain an international perspective to their law studies. In developing language skills and undertaking overseas study in their fourth year, students are exposed to expertise and skills to enable them to work internationally and have an in-depth understanding of cross-cultural legal issues.

Career options

Career options include legal policy adviser within a government department, lawyer in a commercial or corporate sector with international links. Graduates can work with international organisations such as the United Nations and opportunities also exist in foreign affairs.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program (see page 95) with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Proficiency in English is assumed. There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course duration is five years of full-time study. The law component requires attendance of 10-15 hours of lectures a week and timetable constraints may require attendance at daytime and evening classes. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

The course comprises a total of 240 credit points. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- 6 credit points of legal theory options.

The international studies component comprises 96 credit points of international studies subjects.

Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure.

For a current listing of subjects in each course refer to the study package directory.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

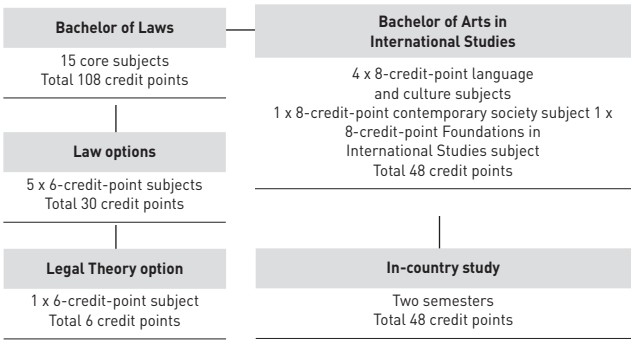
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
CBK90005	Country major choice	96cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student who has chosen the Germany major in the international studies component and law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Year 1

Autumn semester

70114	Criminal Law and Procedure	8cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70211	Contracts	8cp
70311	Torts	8cp
70616	Australian Constitutional Law	8cp

Year 2

Autumn semester

70104	Civil Practice	6cp
97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp

Spring semester

70327	Commercial Law	6cp
97602	German Language and Culture 2	8cp
70317	Real Property	8cp

Year 3

Autumn semester

70109	Evidence	6cp
97603	German Language and Culture 3	8cp
70617	Administrative Law	8cp
71116	Remedies	6cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp
70517	Equity and Trusts	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

70417	Corporate Law		8cp
70108	Public International Law		6cp
Select one subject from the following:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	
Select one subject from the following:			6cp
CBK90922	Options (Law UG)	30cp	

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10131v6 Bachelor of Medical Science Bachelor of Laws

Award(s): Bachelor of Medical Science (BMedSc)
Bachelor of Laws (LLB)
UAC code: 609065 (Autumn semester)
CRICOS code: 025797G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The law is of special importance in many areas of medical science, including medical and health practice, medical and biological research and industrial and commercial enterprise. The Bachelor of Medical Science Bachelor of Laws is offered jointly by UTS: Law and UTS: Science.

The program provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements only for admission as a lawyer together with specialisation in medical science.

The course addresses the increasing need for medical science expertise among lawyers. Graduates develop critical and analytical skills inherent to an understanding of the complex links between medical science and the law, thus increasing their employment opportunities and career choices.

Career options

Career options include lawyer in areas where a strong background in human biology, medical diagnostics, neuroscience or pharmacology is valued; manager, officer or researcher in private or public health administration.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

English proficiency; mathematics; and two science subjects.

Course duration and attendance

The course duration is five years of full-time study. Students who undertake the Bachelor of Medical Science (Honours) (C09031) (see page 118) complete the course in six years of full-time study.

The law component requires attendance at 10-15 hours of lectures a week and timetable constraints may require attendance at daytime and evening classes. The science component requires attendance of approximately 10 hours a week at the University.

Course structure

The course comprises a total of 240 credit points and allows students to graduate with the separate degrees of Bachelor of Medical Science (BMedSc) and Bachelor of Laws (LLB). The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- 6 credit points of legal theory options.

The medical science component comprises 96 credit points of core medical science subjects.

Students graduate from the BMedSc independently from the LLB. However, to be eligible for graduation from the BMedSc, students must complete a total of 96 credit points of science subjects plus at least 96 credit points of Bachelor of Laws subjects.

For a current listing of subjects in each course refer to the study package directory.

Graduation from the medical science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Medical Science prior to completion of the law component of the combined degree must apply for transfer to the Bachelor of Medical Science (C10184) (see page 222) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, a student can graduate from the law component of the combined degree prior to completion of the medical science component, but if they wish to continue with the medical science component, they must apply for transfer to the Bachelor of Medical Science (C10184) (see page 222) single degree program where they need to complete all requirements for the stand-alone single degree version.

Industrial training/professional practice

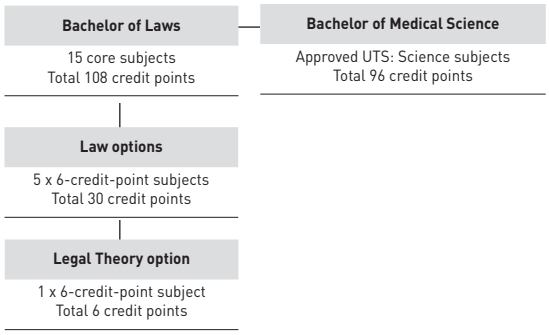
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90349	Core subjects (Medical Science)	96cp
STM90691	Law stream	144cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp

Spring semester

70311	Torts	8cp
70114	Criminal Law and Procedure	8cp
91400	Human Anatomy and Physiology	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
65212	Chemistry 2	6cp

Spring semester

70104	Civil Practice	6cp
91314	General Microbiology	6cp
68041	Physical Aspects of Nature	6cp
91239	Human Pathophysiology	6cp

Year 3

Autumn semester

70327	Commercial Law	6cp
70317	Real Property	8cp
70109	Evidence	6cp
91703	Physiological Systems	6cp

Spring semester

71116	Remedies	6cp
91705	Medical Devices and Diagnostics	6cp
70617	Administrative Law	8cp

Select 6 credit points from the following options: 6cp

91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 4

Autumn semester

91707	Pharmacology 1	6cp
91320	Metabolic Biochemistry	6cp
70517	Equity and Trusts	8cp

Spring semester

91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select one subject from the following: 6cp

CBK90922	Options (Law UG)	30cp

Year 5

Autumn semester

70108	Public International Law	6cp
70417	Corporate Law	8cp
91706	Neuroscience	6cp

Select 6 credit points from the following options: 6cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Spring semester

Select 24 credit points of options 24cp

Levels of award

The Bachelor of Laws is available with honours and requires candidates to complete the research thesis within the law option component. The rules relating to the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Medical Science (Honours) (C09031) (see page 118) requires an additional year of study and is designed to introduce students to research work in medical science. It allows eligible students to continue with postgraduate studies if desired and enhances their employment prospects.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information on the medical science component is available from:

Associate Professor Loraine Holley

Course director

telephone +61 2 9514 2180

fax +61 2 9514 2186

email Loraine.Holley@uts.edu.au

C10136v8 Bachelor of Engineering Science Bachelor of Laws

Award(s): Bachelor of Engineering Science in (name of Engineering major) (BEngSc) Bachelor of Laws (LLB)
UAC code: 609050 (Autumn semester)
CRICOS code: 040713B
Commonwealth-supported place?: Yes
Load credit points: 264
Course EFTSL: 5.5
Location: City campus

Overview

The Bachelor of Engineering Science Bachelor of Laws is offered jointly by UTS: Law and UTS: Engineering and is awarded with two testamurs. The course was developed in response to growing demand for legal services in areas in which an in-depth appreciation of complex technical matters is essential. It provides an overview of the legal system as a whole and an in-depth knowledge of an engineering specialisation.

The program provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements only for admission as a lawyer together with a specialisation in engineering science.

The course addresses the increasing need for technical expertise and legal knowledge, which are highly sought after in both private law firms and the engineering industry. Graduates develop critical and analytical skills, combined with a strong industry focus, essential for an understanding of the complex links between engineering and the law.

Career options

Career options include professions as a lawyer in areas of environmental law, technology legislation and technology-specific criminal law; consultant, legal adviser or manager to engineering corporations in Australia and overseas.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Local students

Admission to the chosen engineering major is dependent on the ATAR for that major being met.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

Course duration and attendance

The course is normally completed in five-and-a-half years of full-time study. The hours of full-time attendance are approximately 17 hours a week and timetable constraints may require attendance at daytime and evening classes in the law component.

Course structure

The course comprises 264 credit points and allows students to graduate with the separate degrees of Bachelor of Engineering Science and Bachelor of Laws. The study components for course completion are as follows.

1. The law component is made up of 108 credit points of compulsory core law subjects; 30 credit points of law options; and 6 credit points of legal theory options.
2. The engineering component comprises 120 credit points of study, consisting of the core subjects in the Bachelor of Engineering Science and the field of practice subjects associated with the chosen engineering major.
3. On completion of the engineering component (as set out in 2 above) a student who has also completed at least 78 credit points of law subjects approved by UTS: Law is eligible for the award of Bachelor of Engineering Science.
4. A student who qualifies for the award of Bachelor of Engineering Science (according to 3 above) is, on completion of the law component as approved by UTS: Law, eligible for the award of Bachelor of Laws.

For a current listing of subjects in each course refer to the study package directory.

Industrial training/professional practice

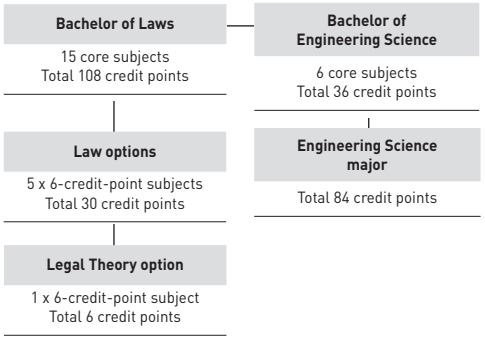
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

CBK90178	Major choice	84cp
STM90356	Core subjects	36cp
STM90691	Law stream	144cp
		Total 264cp

Course diagram



Course program

The standard program shown is for a full-time student who has chosen the Electrical Engineering major and law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

33130	Mathematical Modelling 1	6cp
68037	Physical Modelling	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

48230	Engineering Communication	6cp
70114	Criminal Law and Procedure	8cp
70311	Torts	8cp
48510	Introduction to Electrical Engineering	6cp

Year 2

Autumn semester

70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
33230	Mathematical Modelling 2	6cp

Spring semester

48521	Fundamentals of Electrical Engineering	6cp
70104	Civil Practice	6cp
70327	Commercial Law	6cp
48520	Electronics and Circuits	6cp

Year 3

Autumn semester

48441	Introductory Digital Systems	6cp
48240	Design and Innovation Fundamentals	6cp
71116	Remedies	6cp
70317	Real Property	8cp

Spring semester

70617	Administrative Law	8cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
70517	Equity and Trusts	8cp

Year 4

Autumn semester

48430	Embedded C	6cp
48531	Electromechanical Automation	6cp
70417	Corporate Law	8cp
70109	Evidence	6cp

Spring semester

48540	Signals and Systems	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
70108	Public International Law	6cp

Year 5

Autumn semester

48250	Engineering Economics and Finance	6cp
48560	Introductory Control	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select 6 credit points of electives 6cp

Spring semester

Select 24 credit points of options 24cp

Year 6

Autumn semester

48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training (PLT) program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Students wishing to obtain full recognition as graduate engineers have the option of articulating to the Bachelor of Engineering (C10067) (see page 155) or Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142) depending on entry requirements.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10143v5 Bachelor of Information Technology

Award(s): Bachelor of Information Technology (BInfTech)
UAC code: 603210 (Autumn semester)
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

This course is only offered to local students.

It is intended for local current school leavers.

This course is not offered to international students.

Overview

This is a cooperative education scholarship program in computer information systems, developed by UTS in cooperation with a group of leading organisations. It differs from other cooperative education courses in that, during the industry-based semesters, students follow a structured program designed jointly by UTS and the employer group, including formal coursework delivered by industry.

There are a limited number of places available in this course according to the number of industry sponsors each year. If selected for this course, students receive a total scholarship of around $46,500 for the duration of the course.

This intensive course includes two six-month industry-based semesters with different industry sponsors. Industry sponsors are heavily involved in the curriculum design to ensure graduates are not only highly qualified but also have the knowledge and skills relevant to the needs of industry.

Students normally secure graduate employment before completion of the course, which has a track record of 100 per cent employment. Sponsors also actively recruit graduates from the course but students are not obliged to take up employment with a sponsor.

Course aims

Students gain an understanding of both business practice and technical skills in IT and computing, and learn how to apply IT solutions to business challenges.

Career options

Career options include ICT business analyst, systems analyst, analyst/programmer, software developer, information systems manager, IT consultant, programmer/developer or IT project manager.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

This is an intensive scholarship course intended primarily for current school leavers, although applications are also accepted from non-current school leavers. Special application and selection procedures

apply. Applicants must submit a Bachelor of Information Technology application questionnaire and attend an interview.

Applicants must demonstrate leadership potential and involvement in extra-curricular activities and it is expected that students achieve an ATAR of around 90. If suitable, students are interviewed before selection. Final selection is based on the result of the interview and ATAR. There are two application and interview rounds.

Further information is available from:

www.uts.edu.au/future-students/information-technology/it-undergraduate/bit-co-op-how-apply

Eligibility for admission does not guarantee offer of a place.

Assumed knowledge

Mathematics and any two units of English.

HSC Mathematics Extension 1 and English Advanced are recommended.

Course duration and attendance

The course is of three years' duration and involves four semesters of full-time study at the University and two semesters of full-time industry-based study and practical experience. The industry-based semesters are of 23 weeks' duration.

Course structure

Students are required to complete 144 credit points, comprising 120 credit points in compulsory subjects and 24 credit points in electives.

The central curriculum of the course is computer and information systems. This is supported by studies in management and strategic planning, as well as the necessary background subjects in information technology and programming.

There are special conditions relating to students enrolled in this course. Leave of absence and re-admission after withdrawal are not normally granted to students, except under extraordinary circumstances and subject to satisfactory arrangements being possible.

Industrial training/professional practice

Students spend two six-month, full-time semesters in industry.

Course completion requirements

STM90668	Core subjects (IT)	90cp
STM90669	Core subjects (Industry)	30cp
CBK90571	Electives	24cp
		Total 144cp

Course program

The example program below is for a student commencing in Autumn semester and undertaking the course full time.

Note: Subjects listed as electives may not be offered every semester.

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31489	Industry Study 1	6cp
31491	Industry Project 1	9cp

Year 2

Autumn semester

48024	Applications Programming	6cp
31257	Information System Development Methodologies	6cp
31270	Networking Essentials	6cp
31271	Database Fundamentals	6cp

Select 6 credit points of electives 6cp

Spring semester

31247	Collaborative Business Processes	6cp
48440	Software Engineering Practice	6cp
31281	Systems Development Project	12cp

Year 3

Autumn semester

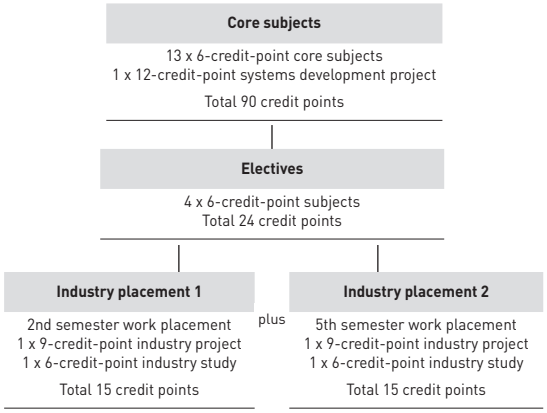
31490	Industry Study 2	6cp
31492	Industry Project 2	9cp
31245	Business Process and IT Strategy	6cp

Spring semester

31272	Project Management and the Professional	6cp

Select 18 credit points of electives 18cp

Course diagram



Rules and regulations

UTS: Information Technology does not recommend probation for unsatisfactory academic performance. Instead, it recommends to the Faculty Board in Engineering and Information Technology that a student be excluded under any of the following circumstances:

- a student fails any subject for the second time
- a student gains less than 50 per cent of the credit points for which he or she is enrolled in that assessment period
- a student fails any subject that is part of the program of an industry-based semester or a student performs unsatisfactorily during an industry-based semester, or
- immediately prior to the commencement of an industry-based semester, a student has still to complete more than one subject in the normal program of the course to that stage.

As an alternative to exclusion, a student whose performance is unsatisfactory according to the circumstances named above may have their enrolment forcibly transferred from the Bachelor of Information Technology to the Bachelor of Science in Information Technology course by means of an internal course transfer: continuing. The decision of whether a student is recommended for exclusion or a forced course transfer is at the sole discretion of the faculty and dependent on the individual circumstances of the student.

Appeals against exclusion are dealt with by the University's Appeals Committee (of the Academic Board), which takes into account the recommendation of the Course Steering Committee.

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114) program.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society.

Other information

Further information for current and future students is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10148v4 Bachelor of Science in Information Technology

Award(s): Bachelor of Science in Information Technology (BSc)
UAC code: 603201 (Autumn semester)
CRICOS code: 040941A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

This course is only offered to new international students. Local students in an existing UTS course may be able to transfer into it.

Local applicants now apply for the Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice (C10152) (see page 199), which includes the industry training year and provides a comprehensive preparation for a career in IT.

Overview

This course offers a sound education in all aspects of computing and information technology for students who intend to make a career in the profession, as well as providing a pathway to honours, postgraduate study or a research career.

This course adopts a practice-based approach to IT education and the course content is a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in business analysis, problem solving, teamwork and communication. Employers look for graduates with industry experience and, in this course, students are exposed to real IT problems.

UTS: Information Technology continues to support part-time study and some subjects can be taken in the evening as well as during the day.

Course aims

The course aims to produce graduates who are able to apply, in the context of any organisation, the knowledge and skills required of:

- information systems professionals in business units who integrate packaged systems rather than develop systems from first principles
- information technology professionals who develop systems from first principles
- network specialists who build, maintain and administer complex network systems, or
- computing specialists for technical research careers.

Career options

Career options include business analyst, IT project manager, network specialist, software developer, systems analyst or web developer.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

HSC Mathematics Extension 1 and English Advanced are recommended.

External articulation

Students who gain entry through the UTS INSEARCH pathway are eligible for 48 credit points of credit recognition. Students who have completed a relevant diploma at TAFE NSW may be eligible for at least 24 credit points of credit recognition. There are also articulations with this course with institutions in China, Hong Kong, Malaysia and Singapore. Details are available from the Building 10 Student Centre.

Credit recognition

Students who have previously undertaken study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

The prior study must have been completed before commencement of this course, but no earlier than three years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. TAFE IT diplomas and advanced diplomas completed within three years of enrolment may be granted some credit recognition. For further details see:

www.uts.edu.au/future-students/information-technology/essential-information/it-undergraduate-credit-recognition

There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of the these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course duration and attendance

The course is completed in three years of full-time or six years of part-time study. A significant number of subjects are offered in the evening but some daytime attendance is required for part-time students.

Course structure

Students are required to complete 144 credit points, comprising 48 credit points of core subjects, 48 credit points of one compulsory IT major and 48 credit points of electives.

Students must complete eight foundation core subjects (6 credit points each) and an IT major (48 credit points).

The 48 credit points of electives can be a combination of a second IT major, or two sub-majors, or one sub-major and four electives, or eight electives to broaden their knowledge of information technology and other disciplines.

Industrial training/professional practice

Industrial training is available as a separate course. Students enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) once they have secured suitable full-time employment in the IT industry. This incorporates a minimum of nine months' full-time paid work experience with four supporting subjects at UTS. Full-time students normally undertake industrial training after completing Year 2.

Course completion requirements

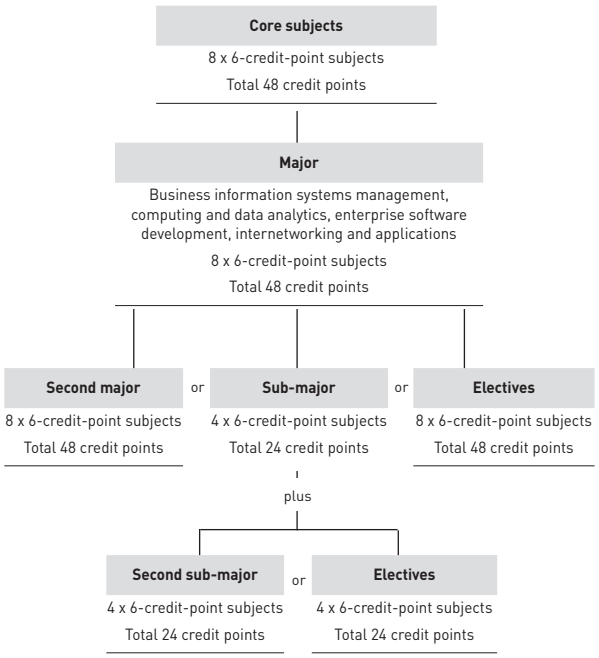
STM90651	Core subjects (Information Technology)	48cp
CBK90781	Major choice (Information Technology)	48cp
CBK90782	Major/Two sub-majors/Electives	48cp
		Total 144cp

Course program

Example full-time programs are shown below. Refer to CBK90782 for the IT majors and approved sub-majors available to students in this course. All students are required to complete one IT major.

Note: Subjects listed as electives and IT major subjects are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Course diagram



Business Information Systems Management major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
31247	Collaborative Business Processes	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31257	Information System Development Methodologies	6cp
31255	Finance and IT	6cp

Select 6 credit points of electives 6cp

Spring semester

31258	Innovations for Global Relationship Management	6cp
31276	Networked Enterprise Architecture	6cp

Select 12 credit points of electives 12cp

Year 3

Autumn semester

31272	Project Management and the Professional	6cp
31245	Business Process and IT Strategy	6cp

Select 12 credit points of electives 12cp

Spring semester

31280	Strategic IT Project	6cp

Select 6 credit points from the following options: 6cp

31282	Systems Testing and Quality Management	6cp
31097	IT Operations Management	6cp
48270	Entrepreneurship and Commercialisation	6cp

Select 12 credit points of electives 12cp

Enterprise Systems Development major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
48024	Applications Programming	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31251	Data Structures and Algorithms	6cp
31260	Interface Design	6cp

Select 6 credit points of electives 6cp

Spring semester

48440	Software Engineering Practice	6cp
31281	Systems Development Project	12cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

31272	Project Management and the Professional	6cp

Select 6 credit points from the following options: 6cp

31284	Web Services Development	6cp
31253	Database Programming	6cp
31100	Enterprise Development with .NET	6cp
31777	Human-Computer Interaction	6cp
41001	Cloud Computing and Software as a Service	6cp
31285	Mobile Applications Development	6cp

Select 12 credit points of electives 12cp

Spring semester

Select 6 credit points from the following options: 6cp

31284	Web Services Development	6cp
48433	Software Architecture	6cp
31335	Extreme Programming	6cp
31927	Application Development with .NET	6cp
31075	Object-relational Databases	6cp
31242	Advanced Internet Programming	6cp
41005	Cloud-based Enterprise Application Development	6cp
31285	Mobile Applications Development	6cp
41889	Application Development in the iOS Environment	6cp

Select 18 credit points of electives 18cp

Internetworking and Applications major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp

Select 12 credit points of electives 12cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31277	Routing and Internetworks	6cp
41900	Fundamentals of Security	6cp

Select 6 credit points of electives 6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

31284	Web Services Development		6cp
31275	Mobile Networking		6cp
31246	Network Design		6cp
Select 6 credit points of electives			6cp

Year 3

Autumn semester

31272	Project Management and the Professional		6cp
Select 6 credit points from the following options:			6cp
31283	WANs and Virtual LANs	6cp	
48024	Applications Programming	6cp	
31254	e-Commerce	6cp	
31274	Network Management	6cp	
31748	Programming on the Internet	6cp	
31285	Mobile Applications Development	6cp	
48436	Digital Forensics	6cp	
48730	Network Security	6cp	
Select 12 credit points of electives			12cp

Spring semester

31261	Internetworking Project		6cp
Select 6 credit points from the following options:			6cp
31283	WANs and Virtual LANs	6cp	
31285	Mobile Applications Development	6cp	
31242	Advanced Internet Programming	6cp	
31338	Network Servers	6cp	
41890	Applying Network Security	6cp	
41891	Cloud Computing Infrastructure	6cp	
41889	Application Development in the iOS Environment	6cp	
48730	Network Security	6cp	
31091	Mobile Computing Project	6cp	
Select 12 credit points of electives			12cp

Data Analytics major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
Select 12 credit points of electives		12cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31250	Introduction to Data Analytics	6cp
35101	Introduction to Linear Dynamical Systems	6cp
Select 6 credit points of electives		6cp

Spring semester

35151	Introduction to Statistics		6cp
Select 6 credit points from the following options:			6cp
31256	Image Processing and Pattern Recognition	6cp	
31005	Advanced Data Analytics	6cp	
31075	Object-relational Databases	6cp	
31259	Intelligent Agents	6cp	
Select 12 credit points of electives			12cp

Year 3

Autumn semester

31272	Project Management and the Professional		6cp
41004	Analytics Capstone Project		6cp
Select 6 credit points from the following options:			6cp
31000	e-Business Trading	6cp	
31050	Programming with Patterns	6cp	
31253	Database Programming	6cp	
Select 6 credit points of electives			6cp

Spring semester

Select 12 credit points from the following options:			12cp
31243	Analytics Capstone Project B	6cp	
31259	Intelligent Agents	6cp	
31005	Advanced Data Analytics	6cp	
31075	Object-relational Databases	6cp	
31256	Image Processing and Pattern Recognition	6cp	
Select 12 credit points of electives			12cp

Levels of award

The Bachelor of Science in Information Technology may be awarded with a distinction, credit or pass.

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114). The honours year is also available on a part-time basis over two years.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10152v4 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice

Award(s): Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice (BScDipInfTechProfPrac)
UAC code: 603200 (Autumn semester, Spring semester)
CRICOS code: 040940B
Commonwealth-supported place?: Yes
Load credit points: 156
Course EFTSL: 3.25
Location: City campus

Overview

This course offers a sound education in all aspects of computing and information technology for students who intend to make a career in the profession, as well as providing a pathway to honours, postgraduate study and a research career.

The course adopts a practice-based approach to IT education. Its content is designed with a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in problem solving, teamwork and communication. Employers look for graduates with industry experience and, in this course, students are exposed to real IT problems and apply classroom learning on the job through the Diploma in Information Technology Professional Practice.

UTS: Information Technology continues to support part-time study with some subjects offered in the evening as well as during the day.

Course aims

The course aims to produce graduates who are able to apply, in the context of any organisation, the knowledge and skills required of:

- information professionals in business units who integrate packaged systems rather then develop systems from first principles
- information technology professionals who develop systems from first principles
- network specialists who build, maintain and administer complex network systems, or
- computing specialists for technical research careers.

Career options

Career options include ICT business analyst, analyst/programmer, IT project manager, network specialist, software developer, software engineer, systems analyst or web developer.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers are advised to complete the employment question on their UAC application and provide supporting statements of employment to UAC as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Mathematics Extension 1 and English Advanced are recommended.

External articulation

Students who gain entry through the UTS INSEARCH pathway are eligible for 48 credit points of credit recognition. Students who have completed a relevant diploma at TAFE NSW may be eligible for at least 24 credit points of credit recognition. There are also articulations with this course with institutions in China, Hong Kong, Malaysia and Singapore. Details are available from the Building 10 Student Centre.

Credit recognition

Students who have previously undertaken study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

The prior study must have been completed before commencement of this course, but no earlier than three years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. TAFE IT diplomas and advanced diplomas completed within three years of enrolment may be granted some credit recognition. For further details see:

www.uts.edu.au/future-students/information-technology/essential-information/it-undergraduate-credit-recognition

There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of the these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course duration and attendance

The course is completed in four years of full-time or six years of part-time study. It comprises six academic semesters of full-time (or equivalent part-time) study, and a period of industrial training.

A significant number of subjects are offered in the evening but some daytime attendance is required for part-time students.

To gain credit for the DipITProfPrac, students are required to obtain an approved, full-time job within the information technology industry for a minimum of nine months.

Course structure

Students are required to complete 156 credit points, comprising 48 credit points of core subjects, 48 credit points for one compulsory IT major, 48 credit points of electives and 12 credit points for the Diploma in Information Technology Professional Practice (see page 350).

The 48 credit points of electives can be a combination of a second IT major, or two sub-majors, or one sub-major and four electives, or eight electives to broaden knowledge of information technology and other disciplines.

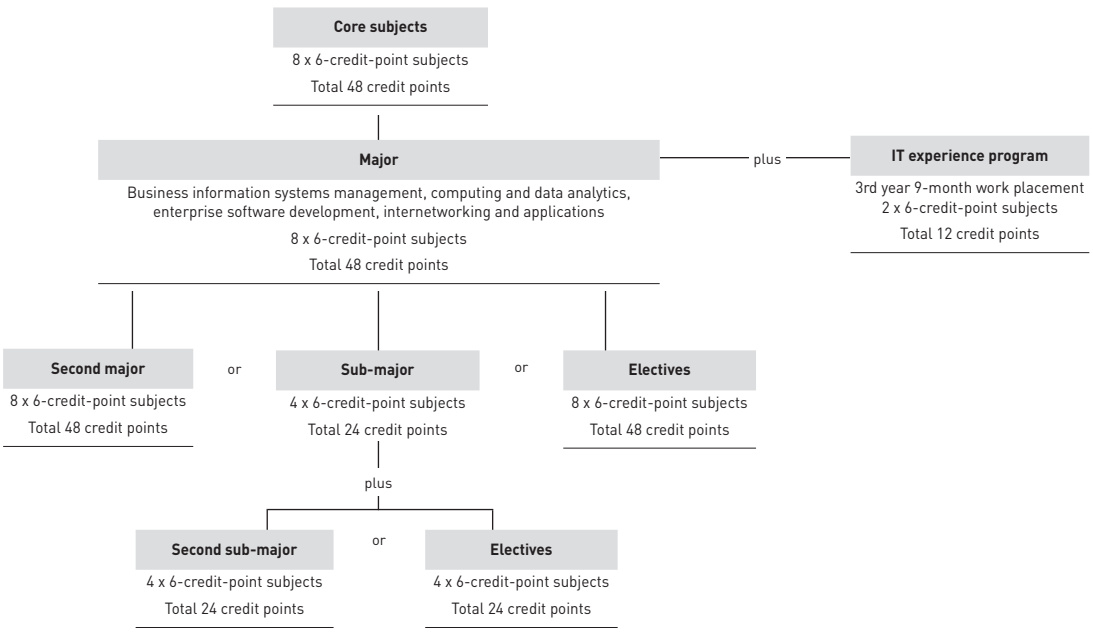
Industrial training/professional practice

The Diploma in Information Technology Professional Practice (see page 350) is a compulsory part of this course and incorporates a minimum of nine months' work experience and four supporting subjects at UTS. Full-time students normally undertake the diploma after completing Year 2 and after obtaining suitable full-time employment in the information technology industry. International students can work full-time for the duration of the diploma.

Course completion requirements

STM90380	IT Experience program	12cp
STM90651	Core subjects (Information Technology)	48cp
CBK90781	Major choice (Information Technology)	48cp
CBK90782	Major/Two sub-majors/Electives	48cp
		Total 156cp

Course diagram



Course program

Example full-time programs are shown below. Refer to CBK90782 for the IT majors and approved sub-majors available to students in this course. All students are required to complete one IT major.

Note: Subjects listed as electives and IT major subjects are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Business Information Systems Management major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
31247	Collaborative Business Processes	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31257	Information System Development Methodologies	6cp
31255	Finance and IT	6cp

Select 6 credit points of electives 6cp

Spring semester

31258	Innovations for Global Relationship Management	6cp
31276	Networked Enterprise Architecture	6cp

Select 12 credit points of electives 12cp

Year 3

Autumn semester

31136	Preparation for and Review of IT Experience	6cp
31137	IT Experience 1	0cp

Spring semester

31138	Review of IT Experience	6cp
31139	IT Experience 2	0cp

Year 4

Autumn semester

31245	Business Process and IT Strategy	6cp
31272	Project Management and the Professional	6cp

Select 12 credit points of electives 12cp

Spring semester

31280	Strategic IT Project	6cp

Select 6 credit points from the following options: 6cp

31282	Systems Testing and Quality Management	6cp
31097	IT Operations Management	6cp
48270	Entrepreneurship and Commercialisation	6cp

Select 12 credit points of electives 12cp

Computing and Data Analytics major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp

Select 12 credit points of electives 12cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31250	Introduction to Data Analytics	6cp
35101	Introduction to Linear Dynamical Systems	6cp

Select 6 credit points of electives 6cp

Spring semester

35151	Introduction to Statistics	6cp

Select 6 credit points from the following options: 6cp

31005	Advanced Data Analytics	6cp
31075	Object-relational Databases	6cp
31256	Image Processing and Pattern Recognition	6cp
31259	Intelligent Agents	6cp

Select 12 credit points of electives 12cp

Year 3

Autumn semester

31136	Preparation for and Review of IT Experience	6cp
31137	IT Experience 1	0cp

Spring semester

31138	Review of IT Experience	6cp
31139	IT Experience 2	0cp

Year 4

Autumn semester

31272	Project Management and the Professional	6cp
41004	Analytics Capstone Project	6cp

Select 6 credit points from the following options: 6cp

31000	e-Business Trading	6cp
31050	Programming with Patterns	6cp
31253	Database Programming	6cp

Select 6 credit points of electives 6cp

Spring semester

Select 12 credit points from the following options: 12cp

31243	Analytics Capstone Project B	6cp
31259	Intelligent Agents	6cp
31005	Advanced Data Analytics	6cp
31075	Object-relational Databases	6cp
31256	Image Processing and Pattern Recognition	6cp

Select 12 credit points of electives 12cp

Enterprise Systems Development major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
48024	Applications Programming	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
31251	Data Structures and Algorithms	6cp
31260	Interface Design	6cp

Select 6 credit points of electives 6cp

Spring semester

48440	Software Engineering Practice	6cp
31281	Systems Development Project	12cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

31136	Preparation for and Review of IT Experience	6cp
31137	IT Experience 1	0cp

Spring semester

31138	Review of IT Experience		6cp
31139	IT Experience 2		0cp

Year 4

Autumn semester

31272	Project Management and the Professional		6cp
Select 6 credit points from the following options:			6cp
31284	Web Services Development	6cp	
31253	Database Programming	6cp	
31100	Enterprise Development with .NET	6cp	
31777	Human-Computer Interaction	6cp	
41001	Cloud Computing and Software as a Service	6cp	
31285	Mobile Applications Development	6cp	
Select 12 credit points of electives			12cp

Spring semester

Select 6 credit points from the following options:			6cp
31284	Web Services Development	6cp	
48433	Software Architecture	6cp	
31075	Object-relational Databases	6cp	
31335	Extreme Programming	6cp	
31927	Application Development with .NET	6cp	
31242	Advanced Internet Programming	6cp	
41005	Cloud-based Enterprise Application Development	6cp	
31285	Mobile Applications Development	6cp	
41889	Application Development in the iOS Environment	6cp	
Select 18 credit points of electives			18cp

Internetworking and Applications major

Year 1

Autumn semester

31265	Communication for IT Professionals		6cp
31266	Introduction to Information Systems		6cp
48023	Programming Fundamentals		6cp
31268	Web Systems		6cp

Spring semester

31269	Business Requirements Modelling		6cp
31270	Networking Essentials		6cp
Select 12 credit points of electives			12cp

Year 2

Autumn semester

31271	Database Fundamentals		6cp
31277	Routing and Internetworks		6cp
41900	Fundamentals of Security		6cp
Select 6 credit points of electives			6cp

Spring semester

31284	Web Services Development		6cp
31275	Mobile Networking		6cp
31246	Network Design		6cp
Select 6 credit points of electives			6cp

Year 3

Autumn semester

31136	Preparation for and Review of IT Experience		6cp
31137	IT Experience 1		0cp

Spring semester

31138	Review of IT Experience		6cp
31139	IT Experience 2		0cp

Year 4

Autumn semester

31272	Project Management and the Professional		6cp
Select 6 credit points from the following options:			6cp
31283	WANs and Virtual LANs	6cp	
48024	Applications Programming	6cp	
31254	e-Commerce	6cp	
31274	Network Management	6cp	
31748	Programming on the Internet	6cp	
31285	Mobile Applications Development	6cp	
48436	Digital Forensics	6cp	
48730	Network Security	6cp	
Select 12 credit points of electives			12cp

Spring semester

31261	Internetworking Project		6cp
Select 6 credit points from the following options:			6cp
31283	WANs and Virtual LANs	6cp	
31285	Mobile Applications Development	6cp	
31242	Advanced Internet Programming	6cp	
31338	Network Servers	6cp	
41890	Applying Network Security	6cp	
41891	Cloud Computing Infrastructure	6cp	
41889	Application Development in the iOS Environment	6cp	
48730	Network Security	6cp	
31091	Mobile Computing Project	6cp	
Select 12 credit points of electives			12cp

Levels of award

The Bachelor of Science in Information Technology may be awarded with a distinction, credit or pass.

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114) program. The honours year is also available on a part-time basis over two years.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10155v8 Bachelor of Mathematics and Finance

Award(s): Bachelor of Mathematics and Finance (BMathFin)
UAC code: 609040 (Autumn semester, Spring semester)
CRICOS code: 008671G
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

In the years since deregulation of the Australian financial system there have been many sweeping changes and a considerable increase in the financial and economic activity of many Australian corporations. During this same period the use of sophisticated quantitative techniques in a variety of areas within the operations of major financial institutions has become the norm. As a consequence, there is a demonstrated and continuing demand for graduates trained in both mathematics and finance. To meet this need the School of Mathematical Sciences in UTS: Science and the School of Finance and Economics in UTS: Business jointly offer this course.

Mathematical techniques are increasingly important for risk assessment and the optimisation of financial plans, and there is a corresponding demand for highly skilled graduates in these areas. Financial institutions, large corporations and government instrumentalities seek graduates of this course to take up rewarding positions in quantitative and financial analysis.

Career options

Career options include stock market analysis, providing advice on portfolio management, option pricing, prediction of movements in international money markets and financial risk management. Major employers of graduates include banks, insurance companies, superannuation providers, government regulatory bodies such as APRA and ASIC, and other major financial bodies.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and English.

HSC Mathematics Extension 1 is recommended.

Course duration and attendance

The degree is offered full time over three years or part time over six years.

Course structure

This course comprises 144 credit points of study.

Course completion requirements

22107	Accounting for Business Decisions A		6cp
23115	Economics for Business		6cp
35101	Introduction to Linear Dynamical Systems		6cp
35151	Introduction to Statistics		6cp
25300	Fundamentals of Business Finance		6cp
35102	Introduction to Analysis and Multivariable Calculus		6cp
35140	Introduction to Quantitative Management		6cp
25556	The Financial System		6cp
35232	Advanced Calculus		6cp
35212	Computational Linear Algebra		6cp
25503	Investment Analysis		6cp
Select one of the following:			6cp
25410	Corporate Financial Analysis (Capstone)	6cp	
25558	Issues in Corporate Finance	6cp	
25421	International Financial Management	6cp	
35241	Optimisation in Quantitative Management		6cp
35252	Mathematical Statistics		6cp
25620	Derivative Securities		6cp
35231	Differential Equations		6cp
35363	Stochastic Models		6cp
35353	Regression Analysis		6cp
25573	Time Series Econometrics		6cp
35361	Stochastic Processes		6cp
22207	Accounting for Business Decisions B		6cp
25557	Corporate Finance: Theory and Practice		6cp
23566	Economics for Business 2		6cp
CBK90821	Options		6cp
			Total 144cp

Course program

Typical course programs are shown below.

Autumn commencing

Year 1

Autumn semester

35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
22107	Accounting for Business Decisions A	6cp
23115	Economics for Business	6cp

Spring semester

35140	Introduction to Quantitative Management	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
22207	Accounting for Business Decisions B	6cp
25300	Fundamentals of Business Finance	6cp

Year 2

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
25556	The Financial System	6cp

Spring semester

35231	Differential Equations	6cp
35353	Regression Analysis	6cp
23566	Economics for Business 2	6cp
25503	Investment Analysis	6cp

Year 3

Autumn semester

35252	Mathematical Statistics	6cp
35232	Advanced Calculus	6cp
25620	Derivative Securities	6cp
25557	Corporate Finance: Theory and Practice	6cp

Spring semester

Select one of the following:			6cp
35342	Nonlinear Methods in Quantitative Management	6cp	
35335	Mathematical Methods	6cp	
35391	Seminar (Mathematics)	6cp	
35361	Stochastic Processes		6cp
25573	Time Series Econometrics		6cp
Select 6 credit points from the following options:			6cp
25410	Corporate Financial Analysis (Capstone)	6cp	
25421	International Financial Management	6cp	
25558	Issues in Corporate Finance	6cp	

Spring commencing

Year 1

Spring semester

35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
25300	Fundamentals of Business Finance	6cp
35140	Introduction to Quantitative Management	6cp

Year 2

Summer session

35102	Introduction to Analysis and Multivariable Calculus	6cp

Autumn semester

35212	Computational Linear Algebra	6cp
25556	The Financial System	6cp
23115	Economics for Business	6cp
22107	Accounting for Business Decisions A	6cp

Spring semester

22207	Accounting for Business Decisions B	6cp
25503	Investment Analysis	6cp
35353	Regression Analysis	6cp
23566	Economics for Business 2	6cp

Year 3

Autumn semester

25557	Corporate Finance: Theory and Practice		6cp
35252	Mathematical Statistics		6cp
35363	Stochastic Models		6cp
35241	Optimisation in Quantitative Management		6cp

Spring semester

25573	Time Series Econometrics		6cp
35361	Stochastic Processes		6cp
35231	Differential Equations		6cp
Select 6 credit points from the following options:			6cp
35335	Mathematical Methods	6cp	
35391	Seminar (Mathematics)	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	

Year 4

Autumn semester

25620	Derivative Securities		6cp
35232	Advanced Calculus		6cp
Select 6 credit points from the following options:			6cp
25410	Corporate Financial Analysis (Capstone)	6cp	
25421	International Financial Management	6cp	
25558	Issues in Corporate Finance	6cp	

Honours

The Bachelor of Mathematics and Finance (Honours) (C09021) (see page 116) is available to eligible students with an additional one year of full-time study.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10157v5 Bachelor of Mathematics and Finance Bachelor of Arts in International Studies

Award(s): Bachelor of Mathematics and Finance (BMathFin)
Bachelor of Arts in International Studies (BA)
UAC code: 609220 (Autumn semester)
CRICOS code: 026197A
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course integrates studies in mathematics and finance with a major in the language and culture of another country. Students undertake an integrated sequence of study in mathematics, statistics, finance, economics and accounting.

The course provides sound training in both the traditional theory of finance and the mathematical aspects of modern portfolio management techniques. Graduates find interesting and rewarding employment in quantitative and financial analysis in major financial institutions such as banks, insurance companies and government instrumentalities.

With one year of international experience gained from studying and living overseas, graduates find it easier to adapt and work overseas or in Australia.

Career options

Career options include positions in derivative pricing and risk management, portfolio management, stock market analysis, and other areas of high responsibility and high reward in the finance industry.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Mathematics and Finance (C10155) (see page 202). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The combined degree is available only on a full-time basis over five years. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students are required to complete 240 credit points, comprising 144 credit points in mathematics and finance and 96 credit points in international studies. The mathematics and finance component of the course includes an integrated sequence of subjects in mathematics, statistics, finance, economics and accounting. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Graduation from the mathematics and finance component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Mathematics and Finance prior to completion of the international studies component of the combined degree must apply for transfer to the Bachelor of Mathematics and Finance (C10155) (see page 202) single degree program where they must complete all requirements for the stand-alone single degree.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

22107	Accounting for Business Decisions A		6cp
23115	Economics for Business		6cp
35101	Introduction to Linear Dynamical Systems		6cp
35151	Introduction to Statistics		6cp
25300	Fundamentals of Business Finance		6cp
35102	Introduction to Analysis and Multivariable Calculus		6cp
35140	Introduction to Quantitative Management		6cp
25556	The Financial System		6cp
35232	Advanced Calculus		6cp
35212	Computational Linear Algebra		6cp
25503	Investment Analysis		6cp
Select one of the following:			6cp
25410	Corporate Financial Analysis (Capstone)	6cp	
25558	Issues in Corporate Finance	6cp	
25421	International Financial Management	6cp	
35241	Optimisation in Quantitative Management		6cp
35252	Mathematical Statistics		6cp
25620	Derivative Securities		6cp
35231	Differential Equations		6cp
35363	Stochastic Models		6cp

35353	Regression Analysis	6cp
25573	Time Series Econometrics	6cp
35361	Stochastic Processes	6cp
CBK90821	Options	6cp
CBK90005	Country major choice	96cp
22207	Accounting for Business Decisions B	6cp
25557	Corporate Finance: Theory and Practice	6cp
23566	Economics for Business 2	6cp
		Total 240cp

Course program

The example program shown is for a full-time student who has chosen the Germany major as the international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Year 1

Autumn semester

35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
22107	Accounting for Business Decisions A	6cp
23115	Economics for Business	6cp

Spring semester

35140	Introduction to Quantitative Management	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
22207	Accounting for Business Decisions B	6cp
25300	Fundamentals of Business Finance	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp

Spring semester

97602	German Language and Culture 2	8cp
35353	Regression Analysis	6cp
23566	Economics for Business 2	6cp
35231	Differential Equations	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
976001	Foundations in International Studies	8cp
25556	The Financial System	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
25503	Investment Analysis	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

35252	Mathematical Statistics	6cp
35232	Advanced Calculus	6cp
25620	Derivative Securities	6cp
25557	Corporate Finance: Theory and Practice	6cp

Spring semester

Select one of the following: 6cp

35342	Nonlinear Methods in Quantitative Management	6cp
35335	Mathematical Methods	6cp
35391	Seminar (Mathematics)	6cp

35361	Stochastic Processes	6cp
25573	Time Series Econometrics	6cp

Select 6 credit points from the following options: 6cp

25410	Corporate Financial Analysis (Capstone)	6cp
25421	International Financial Management	6cp
25558	Issues in Corporate Finance	6cp

Honours

An honours degree, leading to the qualification of Bachelor of Mathematics and Finance (Honours) (C09021) (see page 116) and requiring an additional year of full-time study, is available.

Other information

Further information on the mathematics and finance component is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10158v4 Bachelor of Mathematics and Computing

Award(s): Bachelor of Mathematics and Computing (BMathComp)
UAC code: 609045 (Autumn semester, Spring semester)
CRICOS code: 029389B
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course is designed to meet the increasing industry need for graduates with both computational and analytical skills. It offers the prospect of careers that require a sound knowledge of computing together with the ability to analyse and model practical situations.

Mathematical and computational techniques are increasingly important for commercial, industrial and governmental activities and there is a corresponding demand for highly skilled graduates in these areas.

Career options

Career options include data mining, database design, market research, programming, software development, systems analysis, and positions in analytics, computational modelling, scheduling and logistics, statistical analysis and survey design.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and English.

HSC Mathematics Extension 1 is recommended.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 16 hours each week on campus.

Students may also be able to complete the course in part-time mode, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

The course comprises 144 credit points made up of 72 credit points of mathematics core subjects and 48 credit points of information technology core subjects, plus a 24-credit-point information technology sub-major.

Course completion requirements

STM90651	Core subjects (Information Technology)	48cp
STM90324	Mathematics foundation subjects	72cp
CBK90373	Sub-major choice	24cp
		Total 144cp

Course program

Typical course programs are shown below.

Semesters 1-2 common subjects

Year 1

Autumn semester

35101	Introduction to Linear Dynamical Systems	6cp
35140	Introduction to Quantitative Management	6cp
31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp

Spring semester

35102	Introduction to Analysis and Multivariable Calculus	6cp
35151	Introduction to Statistics	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Semesters 3-6 Business Information Systems Management major

Year 2

Autumn semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
35212	Computational Linear Algebra	6cp
35363	Stochastic Models	6cp

Spring semester

35111	Applications of Discrete Mathematics	6cp
31271	Database Fundamentals	6cp
35353	Regression Analysis	6cp

Select 6 credit points from the following options: 6cp

31257	Information System Development Methodologies	6cp
31255	Finance and IT	6cp
31247	Collaborative Business Processes	6cp
31245	Business Process and IT Strategy	6cp
31258	Innovations for Global Relationship Management	6cp
31276	Networked Enterprise Architecture	6cp
31282	Systems Testing and Quality Management	6cp

Year 3

Autumn or Spring semester

Select 18 credit points from the following options: 18cp

31257	Information System Development Methodologies	6cp
31255	Finance and IT	6cp
31247	Collaborative Business Processes	6cp
31245	Business Process and IT Strategy	6cp
31258	Innovations for Global Relationship Management	6cp
31276	Networked Enterprise Architecture	6cp
31282	Systems Testing and Quality Management	6cp

Autumn semester

35383	High Performance Computing	6cp

Select 6 credit points from the following options: 6cp

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
35241	Optimisation in Quantitative Management	6cp

Spring semester

35231	Differential Equations	6cp
31272	Project Management and the Professional	6cp

Select 6 credit points from the following options: 6cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Semesters 3-6 Enterprise System Development major

Year 2

Autumn semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
35212	Computational Linear Algebra	6cp
35363	Stochastic Models	6cp

Spring semester

35111	Applications of Discrete Mathematics	6cp
31271	Database Fundamentals	6cp
35353	Regression Analysis	6cp
48024	Applications Programming	6cp

Year 3

Autumn or Spring semester

Select 12 credit points from the following options: 12cp

48433	Software Architecture	6cp
31253	Database Programming	6cp
48440	Software Engineering Practice	6cp
31251	Data Structures and Algorithms	6cp

Autumn semester

35383	High Performance Computing	6cp
31260	Interface Design	6cp

Select 6 credit points from the following options: 6cp

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
35241	Optimisation in Quantitative Management	6cp

Spring semester

35231	Differential Equations	6cp
31272	Project Management and the Professional	6cp

Select 6 credit points from the following options: 6cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Semesters 3-6 Internetworking and Applications major

Year 2

Autumn semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
35212	Computational Linear Algebra	6cp
35363	Stochastic Models	6cp

Spring semester

35111	Applications of Discrete Mathematics	6cp
31271	Database Fundamentals	6cp
35353	Regression Analysis	6cp
31275	Mobile Networking	6cp

Year 3

Autumn semester

35383	High Performance Computing		6cp
31277	Routing and Internetworks		6cp
Select one subject from the following:			6cp
35252	Mathematical Statistics	6cp	
35356	Design and Analysis of Experiments	6cp	
35232	Advanced Calculus	6cp	
35241	Optimisation in Quantitative Management	6cp	
Select one subject from the following:			6cp
31283	WANs and Virtual LANs	6cp	
31246	Network Design	6cp	
31285	Mobile Applications Development	6cp	
31284	Web Services Development	6cp	
31254	e-Commerce	6cp	

Spring semester

35231	Differential Equations		6cp
48730	Network Security		6cp
31272	Project Management and the Professional		6cp
Select one subject from the following:			6cp
35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35355	Quality Control	6cp	
35361	Stochastic Processes	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	

Semesters 3-6 Computing and Data Analytics major

Year 2

Autumn semester

31269	Business Requirements Modelling		6cp
31271	Database Fundamentals		6cp
35212	Computational Linear Algebra		6cp
35363	Stochastic Models		6cp

Spring semester

35111	Applications of Discrete Mathematics		6cp
31270	Networking Essentials		6cp
35353	Regression Analysis		6cp
31250	Introduction to Data Analytics		6cp

Year 3

Autumn semester

35383	High Performance Computing		6cp
Select one of the following:			6cp
31284	Web Services Development	6cp	
31259	Intelligent Agents	6cp	
Select 12 credit points from the following options:			12cp
35252	Mathematical Statistics	6cp	
35356	Design and Analysis of Experiments	6cp	
35232	Advanced Calculus	6cp	
35241	Optimisation in Quantitative Management	6cp	

Spring semester

35231	Differential Equations		6cp
31272	Project Management and the Professional		6cp
Select one of the following:			6cp
31259	Intelligent Agents	6cp	
31284	Web Services Development	6cp	
Select 6 credit points from the following options:			6cp
35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35355	Quality Control	6cp	
35361	Stochastic Processes	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	

Semester 1 common subjects, Spring commencing

Year 1

Spring semester

35101	Introduction to Linear Dynamical Systems		6cp
35151	Introduction to Statistics		6cp
31265	Communication for IT Professionals		6cp
31266	Introduction to Information Systems		6cp

Semesters 2-6 Business Information Systems Management major, Spring

Year 2

Autumn semester

31269	Business Requirements Modelling		6cp
48023	Programming Fundamentals		6cp
35140	Introduction to Quantitative Management		6cp
35212	Computational Linear Algebra		6cp

Spring semester

35102	Introduction to Analysis and Multivariable Calculus		6cp
35353	Regression Analysis		6cp
31270	Networking Essentials		6cp
31271	Database Fundamentals		6cp

Year 3

Autumn semester

35363	Stochastic Models		6cp
35383	High Performance Computing		6cp
31268	Web Systems		6cp
Select 6 credit points from the following options:			6cp
31257	Information System Development Methodologies	6cp	
31255	Finance and IT	6cp	
31247	Collaborative Business Processes	6cp	
31245	Business Process and IT Strategy	6cp	
31258	Innovations for Global Relationship Management	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	

Spring semester

35231	Differential Equations		6cp
35111	Applications of Discrete Mathematics		6cp
31272	Project Management and the Professional		6cp
Select 6 credit points from the following options:			6cp
31257	Information System Development Methodologies	6cp	
31255	Finance and IT	6cp	
31247	Collaborative Business Processes	6cp	
31245	Business Process and IT Strategy	6cp	
31258	Innovations for Global Relationship Management	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	

Year 4

Autumn semester

Select two subjects from the following:			12cp
35252	Mathematical Statistics	6cp	
35356	Design and Analysis of Experiments	6cp	
35232	Advanced Calculus	6cp	
35241	Optimisation in Quantitative Management	6cp	
Select two subjects from the following:			12cp
31257	Information System Development Methodologies	6cp	
31255	Finance and IT	6cp	
31247	Collaborative Business Processes	6cp	
31245	Business Process and IT Strategy	6cp	
31258	Innovations for Global Relationship Management	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	

Semesters 2-6 Enterprise System Development major, Spring commencing

Year 2

Autumn semester

35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp
31269	Business Requirements Modelling	6cp
48023	Programming Fundamentals	6cp

Spring semester

35102	Introduction to Analysis and Multivariable Calculus	6cp
35353	Regression Analysis	6cp
31271	Database Fundamentals	6cp
48024	Applications Programming	6cp

Year 3

Autumn semester

35363	Stochastic Models	6cp
35383	High Performance Computing	6cp
31260	Interface Design	6cp
31268	Web Systems	6cp

Spring semester

35231	Differential Equations	6cp
35111	Applications of Discrete Mathematics	6cp
31272	Project Management and the Professional	6cp
31270	Networking Essentials	6cp

Year 4

Autumn semester

31251	Data Structures and Algorithms	6cp
31253	Database Programming	6cp

Select 12 credit points from the following options: 12cp

35241	Optimisation in Quantitative Management	6cp
35232	Advanced Calculus	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp

Semesters 2-6 Internetworking and Applications major, Spring commencing

Year 2

Autumn semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp

Spring semester

35102	Introduction to Analysis and Multivariable Calculus	6cp
35353	Regression Analysis	6cp
48023	Programming Fundamentals	6cp
31275	Mobile Networking	6cp

Year 3

Autumn semester

35363	Stochastic Models	6cp
35383	High Performance Computing	6cp
31268	Web Systems	6cp
31277	Routing and Internetworks	6cp

Spring semester

35231	Differential Equations	6cp
35111	Applications of Discrete Mathematics	6cp
31272	Project Management and the Professional	6cp
48730	Network Security	6cp

Year 4

Autumn semester

31271	Database Fundamentals	6cp

Select two subjects from the following: 12cp

35241	Optimisation in Quantitative Management	6cp
35232	Advanced Calculus	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp

Select one subject from the following: 6cp

31254	e-Commerce	6cp
31282	Systems Testing and Quality Management	6cp
31284	Web Services Development	6cp

Semesters 2-6 Computing and Data Analytics major, Spring commencing

Year 2

Autumn semester

35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp
31269	Business Requirements Modelling	6cp
48023	Programming Fundamentals	6cp

Spring semester

35102	Introduction to Analysis and Multivariable Calculus	6cp
35353	Regression Analysis	6cp
31271	Database Fundamentals	6cp
31268	Web Systems	6cp

Year 3

Autumn semester

35363	Stochastic Models	6cp
35383	High Performance Computing	6cp
31284	Web Services Development	6cp
31270	Networking Essentials	6cp

Spring semester

35231	Differential Equations	6cp
35111	Applications of Discrete Mathematics	6cp
31250	Introduction to Data Analytics	6cp
31259	Intelligent Agents	6cp

Year 4

Autumn semester

31272	Project Management and the Professional	6cp

Select 18 credit points from the following options: 18cp

35241	Optimisation in Quantitative Management	6cp
35232	Advanced Calculus	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp

Honours

Suitably qualified graduates are eligible to proceed to an additional year of advanced study in the Bachelor of Science (Honours) in Mathematics (C09020) (see page 115) or the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114).

Professional recognition

Graduates of this course are eligible for associate-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10162v4 Bachelor of Science Bachelor of Business

Award(s): Bachelor of Science in (name of Science major) (BSc)
Bachelor of Business (BBus)
UAC code: 609170 (Autumn semester)
CRICOS code: 032310K
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City and Kuring-gai campuses

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course is designed to produce graduates who are prepared for scientific practice or business and management in technical, financial, regulatory, environmental, health or biomedical oriented businesses, industries or government departments. Students choose one of 10 specialised science majors according to their preference. Students also have a choice of major study in the business stream.

Demand is growing for graduates able to cross the divide between science and business. This course teaches the practical skills and knowledge that employers demand, both in science and business-related fields.

Depending on the science and business majors chosen, graduates can work in commodity and resource trading, pharmaceutical industry, as scientists in leading consumer goods companies, health services, medical research, hospitals or environmental protection agencies.

Career options

Career options include analyst, consultant, statistician, communicator, manager, marketer, researcher and scientist within government agencies, manufacturing, product development, scientific publishing, banking and finance, scientific and research organisations and large corporations.

See the individual entries for the Bachelor of Science (C10242) (see page 248) and the Bachelor of Business (C10026) (see page 132) for further details.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and at least one science subject.

Course duration and attendance

Students can complete the course over four years full time. Full-time attendance involves approximately 16 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking eight years to complete. Part-time students may need to attend science classes for at least one half-day a week, in addition to evening classes.

Course structure

Students are required to complete a total of 192 credit points, comprising 96 credit points of science subjects and 96 credit points of business subjects.

In the science component, students choose one of 10 possible majors representing the major science disciplines. Refer to the entry for the Bachelor of Business (C10026) (see page 132) for the possible majors available in the business component.

Graduation from the science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Science prior to completion of the business component of the combined degree must apply for transfer to the Bachelor of Science (C10242) (see page 248) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the business component of the combined degree prior to completion of the science component they must apply for transfer to the Bachelor of Business (C10026) (see page 132) single degree program where they must complete all requirements for the stand-alone single degree version.

Course completion requirements

STM90273	Core subjects (Business)	48cp
CBK90169	Major choice (Business)	48cp
CBK90585	Major choice (Science)	96cp
		Total 192cp

Course program

The full-time programs shown below are for each science major in combination with a Human Resource Management major.

List of majors (Science)

MAJ01079	Applied Chemistry	96cp
MAJ01080	Applied Physics	96cp
MAJ01085	Nanotechnology	96cp
MAJ01081	Biomedical Science	96cp
MAJ01114	Medical Science	96cp
MAJ01115	Biotechnology	96cp
MAJ01082	Environmental Biology	96cp
MAJ01113	Environmental Forensics	96cp
MAJ01112	Marine Biology	96cp
MAJ01116	Mathematics	96cp

List of majors (Business)

MAJ08437	Accounting	48cp
MAJ08438	Management	48cp
MAJ08068	Financial Services	48cp
MAJ08440	Finance	48cp
MAJ08441	Marketing	48cp
MAJ08442	International Business	48cp
MAJ08446	Human Resource Management	48cp
MAJ08116	Marketing Communication	48cp
MAJ09209	Economics	48cp

Applied Chemistry major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
65307	Physical Chemistry 1	6cp
68101	Foundations of Physics	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
68201	Physics in Action	6cp
65411	Inorganic Chemistry 1	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp

Spring semester

21440	Management Skills	6cp
65306	Analytical Chemistry 1	6cp
65508	Organic Chemistry 2	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21037	Managing Employee Relations	6cp
21512	Understanding Organisations: Theory and Practice	6cp
65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
65607	Physical Chemistry 2	6cp
65606	Analytical Chemistry 3	6cp

Applied Physics major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
68101	Foundations of Physics	6cp
33360	Mathematics for Physical Science	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
68075	Nanomaterials	6cp
68412	Energy Science and Technology	6cp

Spring semester

21440	Management Skills	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp

Select one of the following: 6cp

68316	Applied Electronics and Interfacing	6cp
68416	Computational Physics	6cp

68606	Solid-state Science and Nanodevices	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp

Select 12 credit points from the following options: 12cp

68320	Scanning Probe and Electron Microscopy	6cp
68414	Advanced Mechanics	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68513	Optics and Nanophotonics	6cp

Biomedical Science major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
91500	Histology	6cp

Select one of the following: 6cp

91703	Physiological Systems	6cp
91142	Biotechnology	6cp

Spring semester

21440	Management Skills	6cp
91326	Analytical Biochemistry	6cp
91401	Introductory Haematology and Immunology	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp

Select 12 credit points from the following options: 12cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp

Select 12 credit points from the following options: 12cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp

Biotechnology major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
91142	Biotechnology	6cp
91703	Physiological Systems	6cp

Spring semester

21440	Management Skills	6cp
91326	Analytical Biochemistry	6cp
91401	Introductory Haematology and Immunology	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp

Select one of the following: 6cp

91359	Advanced Immunology	6cp
91335	Molecular Biology 2	6cp

91369	Biobusiness and Environmental Biotechnology	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp

Environmental Biology major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91107	The Biosphere	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

21440	Management Skills	6cp
91145	Environmental Protection and Management	6cp

Select one of the following: 6cp

91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
91163	Alpine and Lowland Ecology	6cp

21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp
91309	Biodiversity Conservation	6cp

Select one of the following: 6cp

91121	Aquatic Ecology	6cp
91116	Wildlife Ecology	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp

Select 12 credit points from the following options: 12cp

91155	Stream and Lake Assessment	6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
91163	Alpine and Lowland Ecology	6cp

Environmental Forensics major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91107	The Biosphere	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
91159	Environmental Forensics	6cp
65621	Environmental Chemistry	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

21440	Management Skills		6cp
91145	Environmental Protection and Management		6cp
Select one of the following:			6cp
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
65242	Principles of Forensic Science	6cp	
91163	Alpine and Lowland Ecology	6cp	
21036	Managing Strategic Performance		6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice		6cp
21037	Managing Employee Relations		6cp
79004	Environmental Law and Science		6cp
91121	Aquatic Ecology		6cp

Spring semester

21407	Strategic Human Resource Management		6cp
21505	Human Resource Management (Capstone)		6cp
79023	Environmental Forensic Law		6cp
Select 6 credit points from the following options:			6cp
91155	Stream and Lake Assessment	6cp	
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	

Marine Biology major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91107	The Biosphere	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
91157	Marine Communities	6cp
91270	Plant Physiology and Ecophysiology	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

21440	Management Skills	6cp
91145	Environmental Protection and Management	6cp
91126	Coral Reef Ecosystems	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21037	Managing Employee Relations		6cp
21512	Understanding Organisations: Theory and Practice		6cp
91118	Fisheries Resources		6cp
Select one of the following:			6cp
91120	GIS and Remote Sensing	6cp	
66513	Marine Geosciences	6cp	

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
91156	Marine Productivity and Climate Change	6cp

Mathematics major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35100	Introduction to Sample Surveys	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
35353	Regression Analysis	6cp
35111	Applications of Discrete Mathematics	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
35363	Stochastic Models	6cp
35241	Optimisation in Quantitative Management	6cp

Spring semester

21440	Management Skills	6cp
35231	Differential Equations	6cp
21036	Managing Strategic Performance	6cp
Select 6 credit points from the following options:		6cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp
35232	Advanced Calculus	6cp
Select 6 credit points from the following options:		6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
Select 12 credit points from the following options:		12cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Medical Science major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91703	Physiological Systems	6cp
91314	General Microbiology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
68041	Physical Aspects of Nature	6cp
22207	Accounting for Business Decisions B	6cp
91239	Human Pathophysiology	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
91707	Pharmacology 1	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

21440	Management Skills	6cp
21036	Managing Strategic Performance	6cp
91705	Medical Devices and Diagnostics	6cp

Select 6 credit points from the following options: 6cp

91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 4

Autumn semester

21037	Managing Employee Relations	6cp
21512	Understanding Organisations: Theory and Practice	6cp
91706	Neuroscience	6cp

Select 6 credit points from the following options: 6cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp

Nanotechnology major

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
68101	Foundations of Physics	6cp
33360	Mathematics for Physical Science	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
68075	Nanomaterials	6cp
65307	Physical Chemistry 1	6cp

Spring semester

21440	Management Skills	6cp
21036	Managing Strategic Performance	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp
68606	Solid-state Science and Nanodevices	6cp
67509	Molecular Nanotechnology	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp

Select 12 credit points from the following options: 12cp

67510	Surface Processes	6cp
68513	Optics and Nanophotonics	6cp
91140	BioNanotechnology	6cp
68320	Scanning Probe and Electron Microscopy	6cp

Honours

An honours program in each science discipline is available to eligible students.

Transfer between UTS courses

There is provision for students already enrolled in a Bachelor of Science or a Bachelor of Business degree to transfer to this combined degree program, provided they meet the entry requirement for the combined degree.

Students wishing to transfer from the combined degree program to the Bachelor of Business (C10026) (see page 132) single degree program, and whose ATAR is less than the current entry rank for the Bachelor of Business, are required to apply for admission through the Universities Admissions Centre in the non-current school leaver category.

Professional recognition

Depending on disciplines chosen, students may be eligible for entry to the relevant professional associations.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10163v4 Bachelor of Medical Science Bachelor of Business

Award(s): Bachelor of Medical Science (BMedSc)
Bachelor of Business (BBus)
UAC code: 609175 (Autumn semester)
CRICOS code: 040712C
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City and Kuring-gai campuses

Note(s)

For international students, mid-year (July / August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course is designed to produce graduates who are prepared for scientific practice or business and management in health and medical businesses or institutions.

The course offers opportunities in the growth area of health services and management.

Career options

Career options include health services and management in government, hospitals, industry and medical research organisations.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and at least one science subject.

Course duration and attendance

The course is offered over four years full time. Full-time attendance is approximately 20 hours each week on campus. Students may also complete the course part-time, usually at the rate of two subjects a semester (a 50 per cent load), taking eight years to complete. Part-time students may need to attend science classes for at least one half-day a week, in addition to evening classes.

Course structure

Students are required to complete 192 credit points of study, comprising 96 credit points of medical science subjects and 96 credit points of business subjects. Refer to the Bachelor of Business (C10026) (see page 132) entry for the major areas of study.

Graduation from the medical science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Medical Science prior to completion of the business component of the combined degree must apply for transfer to the Bachelor of Medical Science (C10184) (see page 222) single degree program where they must complete all requirements for the stand-alone single degree version.

Similarly, if a student wishes to graduate from the business component of the combined degree prior to completion of the science component they must apply for transfer to the Bachelor of Business (C10026) (see page 132) single degree program where they must complete all requirements for the stand-alone single degree version.

Course completion requirements

CBK90169	Major choice (Business)	48cp
STM90273	Core subjects (Business)	48cp
STM90349	Core subjects (Medical Science)	96cp
		Total 192cp

Course program

The program shown is for a full-time student with a Human Resource Management major.

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91703	Physiological Systems	6cp
91314	General Microbiology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
68041	Physical Aspects of Nature	6cp
22207	Accounting for Business Decisions B	6cp
91239	Human Pathophysiology	6cp

Year 3

Autumn semester

21555	Human Resource Management	6cp
21510	The Global Context of Management	6cp
91707	Pharmacology 1	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

21440	Management Skills	6cp
91705	Medical Devices and Diagnostics	6cp
21036	Managing Strategic Performance	6cp

Select 6 credit points from the following options: 6cp

91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp
91706	Neuroscience	6cp

Select 6 credit points from the following options: 6cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp
91403	Medical Imaging	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp

Honours

An honours program is available to eligible students.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Transfer between UTS courses

There is provision for students already enrolled in a Bachelor of Medical Science or a Bachelor of Business degree to transfer to this combined degree program, provided they meet the entry requirements for the combined degree.

Students wishing to transfer from the combined degree program to the Bachelor of Business (C10026) (see page 132) single degree program, and whose ATAR is less than the current entry rank for the Bachelor of Business, are required to apply for admission through the Universities Admissions Centre in the non-current school leaver category.

Professional recognition

Depending on disciplines chosen, students may be eligible for entry to the relevant professional associations.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10164v5 Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies

Award(s): Bachelor of Health Science in Traditional Chinese Medicine (BHlthSc)
Bachelor of Arts in International Studies (BA)
UAC code: 609346 (Autumn semester)
CRICOS code: 067517F
Commonwealth-supported place?: Yes
Load credit points: 288
Course EFTSL: 6
Location: City campus

Note(s)

Entry to this degree for local students is either by direct entry or internal transfer from the Bachelor of Health Science in Traditional Chinese Medicine (C10186) (see page 223).

Students undertaking this degree may only study China as their international studies major. For international students, mid-year (July / August) intake may be considered on a case-by-case basis by the faculty.

Overview

This combined degree program provides students with greater exposure to and understanding of Chinese culture. Students complete four consecutive semesters of Mandarin and Chinese culture before proceeding to China for an academic year of study at a university or institution of higher education.

The course has a strong history of delivering highly skilled practitioners and researchers. Students complete over 1030 hours of clinical practice starting in their first semester, first year of study and are well equipped for private practice. Opportunity exists for clinical internship in China and Korea, or by pursuing the combined degree with international studies by learning Mandarin and studying in China for a year.

Career options

Career options include acupuncture or Chinese herbal medicine practitioner in private or community health services. This combined program makes it more possible for graduates to practise outside Australia.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Entry to this degree is by internal transfer from the Bachelor of Health Science in Traditional Chinese Medicine (C10186) (see page 223). Students do not need to have previously studied Chinese to successfully complete this program. There is a range of entry levels to the Chinese language and culture program.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Students in the Bachelor of Health Science in Traditional Chinese Medicine apply during Year 2 for transfer to this course, commencing in Year 3.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

This combined degree is offered on a six-year, full-time basis. This also involves students practising their skills in the UTS acupuncture and herbal medicine clinics as required during the course. Students spend their fifth year of study at a Chinese university.

Course structure

Students are required to complete 288 credit points of study, comprising 192 credit points in traditional Chinese medicine (TCM) and 96 credit points in Chinese studies. The Bachelor of Arts in International Studies (see page 95) requires undergraduates to study a region or country major over a minimum of three years. Students undertaking this degree may only study China as their international studies major. The international studies component (96 credit points) includes 32 credit points (four 8-credit-point subjects) of instruction in Chinese language and culture, 8 credit points (one subject) of study of foundations in international studies, 8 credit points (one subject) of study of contemporary China and 48 credit points (two semesters) of study at a university or institution of higher education in China. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Graduation from the TCM component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Health Science in Traditional Chinese Medicine prior to completion of the international studies component of the combined degree must apply for transfer to the Bachelor of Health Science in Traditional Chinese Medicine (C10186) (see page 223) single degree program where they must complete all requirements for the stand-alone single degree version.

Overseas study

Students spend their fifth year of study at a university overseas.

Industrial training/professional practice

Students gain practical clinical experience treating patients under the guidance of qualified health professionals. There are also options to undertake external clinical placements in Australia and overseas.

Course completion requirements

91614	Evaluating TCM: Theory, Practice and Research 1	6cp
91615	Evaluating TCM: Theory, Practice and Research 2	6cp
99567	Introduction to Chinese Herbal Medicine	6cp
99584	Clinical Features of Disease	6cp
99618	Chinese Diagnostic System 1	6cp
91610	Medical Classics and the History of Chinese Medicine	6cp
99621	Chinese Diagnostic System 2	6cp
91611	Clinical Practicum (Therapy and Diagnosis)	6cp
99630	Clinical Practice 1 (TCM)	12cp
99631	Clinical Practice 2 (TCM)	12cp
99665	Chinese Medicine Foundations 1	6cp
99666	Chinese Medicine Foundations 2	6cp
99641	Point Location and Acupuncture Anatomy	6cp
99667	Clinical Theory and Clinic Level 1	6cp
99668	Clinic Level 2 and Acupuncture Techniques 1	6cp
99644	Clinic Level 3 and Acupuncture Techniques 2	6cp
99645	Clinic Level 4 and Acupuncture Techniques 3	6cp
99646	Clinic Level 5 and Acupuncture Microsystems	6cp
99647	Clinic Level 6	6cp
92227	Communication for the Complementary Therapist	6cp
91528	Health and Homeostasis	6cp
99650	Pharmacology of Chinese Herbal Medicine	6cp
99651	Chinese Herbal Formula 1	6cp
99652	Chinese Herbal Formula 2	6cp
91529	Pathophysiology and Pharmacology 1	6cp
91530	Pathophysiology and Pharmacology 2	6cp
91613	Professional Issues in Traditional Chinese Medicine	6cp
99656	Disease States for Traditional Chinese Medicine 1	6cp
99657	Disease States for Traditional Chinese Medicine 2	6cp
CBK90005	Country major choice	96cp
91527	Pathophysiology and Pharmacology 3	6cp
		Total 288cp

Course program

An example program is shown below.

Year 1

Autumn semester

99665	Chinese Medicine Foundations 1	6cp
99641	Point Location and Acupuncture Anatomy	6cp
99667	Clinical Theory and Clinic Level 1	6cp
92227	Communication for the Complementary Therapist	6cp

Spring semester

99567	Introduction to Chinese Herbal Medicine	6cp
99666	Chinese Medicine Foundations 2	6cp
99668	Clinic Level 2 and Acupuncture Techniques 1	6cp
91528	Health and Homeostasis	6cp

Year 2

Autumn semester

99618	Chinese Diagnostic System 1	6cp
99644	Clinic Level 3 and Acupuncture Techniques 2	6cp
99650	Pharmacology of Chinese Herbal Medicine	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

99621	Chinese Diagnostic System 2	6cp
99645	Clinic Level 4 and Acupuncture Techniques 3	6cp
99651	Chinese Herbal Formula 1	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 3

Autumn semester

97101	Chinese Language and Culture 1	8cp
91527	Pathophysiology and Pharmacology 3	6cp
99646	Clinic Level 5 and Acupuncture Microsystems	6cp
99652	Chinese Herbal Formula 2	6cp

Spring semester

97102	Chinese Language and Culture 2	8cp
91611	Clinical Practicum (Therapy and Diagnosis)	6cp
99656	Disease States for Traditional Chinese Medicine 1	6cp
91610	Medical Classics and the History of Chinese Medicine	6cp

Year 4

Autumn semester

99584	Clinical Features of Disease	6cp
97103	Chinese Language and Culture 3	8cp
976001	Foundations in International Studies	8cp

Spring semester

97104	Chinese Language and Culture 4	8cp
976111	Contemporary China	8cp
99647	Clinic Level 6	6cp

Year 5

Autumn semester

977110	In-country Study 1: China	24cp

Spring semester

978110	In-country Study 2: China	24cp

Year 6

Autumn semester

91614	Evaluating TCM: Theory, Practice and Research 1	6cp
99657	Disease States for Traditional Chinese Medicine 2	6cp
99630	Clinical Practice 1 (TCM)	12cp

Spring semester

91613	Professional Issues in Traditional Chinese Medicine	6cp
99631	Clinical Practice 2 (TCM)	12cp
91615	Evaluating TCM: Theory, Practice and Research 2	6cp

Professional recognition

The course is accredited by the Australian Health Practitioner Regulation Agency (AHPRA) and graduates are eligible for professional membership as a health practitioner with the Chinese Medicine Board of Australia (CMBA) within AHPRA.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10167v3 Bachelor of Medical Science Bachelor of Arts in International Studies

Award(s): Bachelor of Medical Science (BMedSc)
Bachelor of Arts in International Studies (BA)
UAC code: 609255 (Autumn semester)
CRICOS code: 043287B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

This degree combines a professional degree in medical science with immersion in another language and culture. The medical science program is designed to educate and train graduates for careers in

medical and health-related sciences. It aims to produce medical scientists with highly adaptable, practical scientific skills and a thorough grounding in the structure and function of the human body and in disease processes at the cellular, whole organ and behavioural level.

The combination of medical science and international studies aims to produce graduates with an increased awareness of the international contexts of health and who are well prepared to pursue global health-related professional careers.

Multinational pharmaceutical companies look to medical science graduates to work in drug registration, clinical trials coordination, as technical or marketing representatives and as policy analysts.

Career options

Career options include positions in government departments, private and public hospitals and public health units, nationally and internationally.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Medical Science (C10184) (see page 222). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program (see page 95) with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and two science subjects. There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

This course is offered over five years full time. Attendance involves approximately 20 hours each week on campus. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points of study, comprising 144 credit points relating to medical science and 96 credit points relating to international studies. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Graduation from the medical science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Medical Science prior to completion of the international studies component of the combined degree must apply for transfer to the Bachelor of Medical Science (C10184) (see page 222) single degree program where they must complete all requirements for the stand-alone single degree version.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

91239	Human Pathophysiology	6cp
STM90680	Foundation stream (Life and Environmental Sciences)	48cp
STM90684	Core subjects (Medical and Molecular Biology)	48cp
91705	Medical Devices and Diagnostics	6cp
91706	Neuroscience	6cp
91707	Pharmacology 1	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
CBK90005	Country major choice	96cp
91703	Physiological Systems	6cp
CBK90582	Elective 4	6cp
		Total 240cp

Course program

The example program shown is for a student who has chosen the Germany major as the international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

91132	Molecular Biology 1	6cp
97602	German Language and Culture 2	8cp
91239	Human Pathophysiology	6cp

Year 3

Autumn semester

91703	Physiological Systems	6cp
97603	German Language and Culture 3	8cp
CBK90579	Elective 1	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

91706	Neuroscience	6cp
91707	Pharmacology 1	6cp

Select 12 credit points from the following options: 12cp

91403	Medical Imaging	6cp
CBK90580	Elective 2	6cp
CBK90581	Elective 3	6cp

Spring semester

91705	Medical Devices and Diagnostics	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
CBK90582	Elective 4	6cp

Honours

The Bachelor of Medical Science (Honours) is available as an additional year to meritorious students.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10169v4 Bachelor of Biotechnology Bachelor of Business

Award(s): Bachelor of Biotechnology (BBiotech)
Bachelor of Business (BBus)
UAC code: 609176 (Autumn semester)
CRICOS code: 041436K
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City and Kuring-gai campuses

Note(s)

For international students, mid-year (July / August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course is designed to produce graduates who are prepared for scientific practice in the biotechnology industry or who are equipped for entry into business and management in science-based businesses or institutions.

This course allows graduates to choose between a career in business or biotechnological science. It is particularly suitable for a career in the rapidly expanding and profitable biotechnology business sector where both disciplines are required.

Career options

Career options include manager or scientist in a bio-analytical lab, bio-business, CSIRO, government biotechnology support, a regulatory agency, stockbroking, vaccine manufacture or wine production. Graduates can also be an analyst, biotechnologist, marketer, product developer or research scientist with industry or scientific research organisations.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and at least one science subject.

Course duration and attendance

Students can complete the course over four years full time. Full-time attendance involves approximately 16 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking eight years to complete. Part-time students may need to attend science classes for at least one half-day a week, in addition to evening classes.

Course structure

The course comprises a total of 192 credit points, made up of 96 credit points of biotechnology subjects and 96 credit points of business subjects.

Graduation from the biotechnology component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Biotechnology prior to completion of the business component of the combined degree must apply for transfer to the Bachelor of Biotechnology (C10172) (see page 219) single degree program where they must complete all requirements for the stand-alone single degree.

Similarly, if a student wishes to graduate from the business component of the combined degree prior to completion of the science component they must apply for transfer to the Bachelor of Business (C10026) (see page 132) single degree program where they must complete all requirements for the stand-alone single degree.

Course completion requirements

CBK90169	Major choice (Business)	48cp
STM90273	Core subjects (Business)	48cp
STM90284	Core subjects (Biotechnology)	96cp
		Total 192cp

Course program

The program shown is for a full-time student with a Human Resource Management major.

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp
91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp

Spring semester

21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp

Year 2

Autumn semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

25300	Fundamentals of Business Finance	6cp
91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
22207	Accounting for Business Decisions B	6cp

Year 3

Autumn semester

21555	Human Resource Management	6cp
21510	The Global Context of Management	6cp
91142	Biotechnology	6cp
91703	Physiological Systems	6cp

Spring semester

21440	Management Skills	6cp
91326	Analytical Biochemistry	6cp
91401	Introductory Haematology and Immunology	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21512	Understanding Organisations: Theory and Practice	6cp
21037	Managing Employee Relations	6cp
Select one of the following:		6cp
91359	Advanced Immunology	6cp
91335	Molecular Biology 2	6cp
91369	Biobusiness and Environmental Biotechnology	6cp

Spring semester

21407	Strategic Human Resource Management	6cp
21505	Human Resource Management (Capstone)	6cp
91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp

Honours

A Bachelor of Biotechnology (Honours) (C09022) (see page 116) is available to eligible students.

Transfer between UTS courses

There is provision for students already enrolled in a Bachelor of Biotechnology or a Bachelor of Business degree to transfer to this combined degree program, provided they meet the entry requirements for the combined degree.

Students wishing to transfer from the combined degree program to the Bachelor of Business (C10026) (see page 132) single degree program, and whose ATAR is less than the current entry rank for the Bachelor of Business, are required to apply for admission through the Universities Admissions Centre in the non-current school leaver category.

Professional recognition

Depending on disciplines chosen, students may be eligible for entry to the relevant professional associations.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10172v5 Bachelor of Biotechnology

Award(s): Bachelor of Biotechnology (BBiotech)
UAC code: 607045 (Autumn semester, Spring semester)
CRICOS code: 026806C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course provides students with a broad knowledge of modern biotechnology with an emphasis on DNA technology, cell biology and up-to-date industrial applications, plus a wide range of practical skills, supplemented with relevant aspects of ethics law and business.

Biotechnology is the science of the future, with high employment rates due to a strong professional and industry focus. Graduates of this course gain a professional qualification in biological science and a firm basis in the industrial aspects of biotechnology. This is a comprehensive biotechnology course with a wide range of options for advanced specialisation.

Career options

Career options include biotechnological research, development and production positions in agricultural, biomedical, chemical, communications, energy, environmental, manufacturing, medical and pharmaceutical companies. Graduates can innovate, invent or research biotechnological science or start their own company to capitalise on their ideas.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and at least one science subject.

HSC Mathematics Extension 1 and Chemistry are recommended.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

Students must complete a total of 144 credit points, made up of 120 credit points of core subjects and 24 credit points of elective subjects. The elective subjects enable students to increase their expertise in other areas of science or other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects.

Course completion requirements

STM90680	Foundation stream (Life and Environmental Sciences)		48cp
STM90684	Core subjects (Medical and Molecular Biology)		48cp
91142	Biotechnology		6cp
91144	Plant Biotechnology		6cp
91335	Molecular Biology 2		6cp
91368	Bioreactors and Bioprocessing		6cp
91369	Biobusiness and Environmental Biotechnology		6cp
CBK90582	Elective 4		6cp
Select 12 credit points from the following options:			12cp
91129	Transfusion Science	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91359	Advanced Immunology	6cp	
			Total 144cp

Course program

Typical course programs are shown below.

Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91142	Biotechnology	6cp
CBK90579	Elective 1	6cp

Spring semester

91132	Molecular Biology 1	6cp
CBK90580	Elective 2	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

91335	Molecular Biology 2	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91359	Advanced Immunology	6cp
CBK90581	Elective 3	6cp

Spring semester

91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
CBK90582	Elective 4	6cp

Select 6 credit points from the following options: 6cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp

Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
91161	Cell Biology and Genetics	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

65212	Chemistry 2	6cp

Autumn semester

33116	Statistical Design and Analysis	6cp
91107	The Biosphere	6cp
91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

91132	Molecular Biology 1	6cp
91123	Biocomplexity	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

91142	Biotechnology	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
CBK90579	Elective 1	6cp

Spring semester

91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
CBK90580	Elective 2	6cp

Select 6 credit points from the following options: 6cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp

Year 4

Autumn semester

91369	Biobusiness and Environmental Biotechnology	6cp
CBK90581	Elective 3	6cp
CBK90582	Elective 4	6cp

Honours

The Bachelor of Biotechnology (Honours) (C09022) (see page 116) is available to eligible students with an additional one year of full-time study.

Professional recognition

This course is recognised by the Australian Biotechnology Association.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10174v4 Bachelor of Forensic Biology in Biomedical Science

Award(s): Bachelor of Forensic Biology in Biomedical Science (BForBiol)
UAC code: 607025 (Autumn semester, Spring semester)
CRICOS code: 049107G
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course provides a firm foundation in the biomedical sciences and their applications to forensic investigations involving human or other biological evidence. It brings together extensive theoretical knowledge with advanced laboratory and problem-solving skills in forensic and biomedical science, as well as legal aspects of forensic science practice and crime scene investigation.

This is a hands-on course that draws on UTS's strong expertise in both forensic science and biomedical science to produce graduates prepared for employment in either field. World-class facilities and equipment are combined with internationally recognised teaching and access to leading practising forensic scientists. The course has strong links with federal and state police services and government forensic laboratories.

Career options

Career options include positions as scene of crime officers, forensic laboratory scientists, biomedical scientists in private, public, federal or state law enforcement agencies, DNA testing laboratories, medical diagnostic laboratories, hospitals or corporate multinationals providing forensic, medical or research services.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; any two units of English; and any two units of science.

HSC Mathematics Extension 1 and Chemistry are recommended.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

The course comprises 144 credit points of study. Stages 1-4 (the first two years) of the program are similar, though not identical, to the Bachelor of Biomedical Science (C10115) (see page 175). However, stages 5-6 (the final year) are strongly focused on forensic studies.

Course completion requirements

65111	Chemistry 1		6cp
91161	Cell Biology and Genetics		6cp
68041	Physical Aspects of Nature		6cp
33116	Statistical Design and Analysis		6cp
91400	Human Anatomy and Physiology		6cp
65212	Chemistry 2		6cp
91123	Biocomplexity		6cp
65242	Principles of Forensic Science		6cp
91320	Metabolic Biochemistry		6cp
91314	General Microbiology		6cp
91500	Histology		6cp
35255	Forensic Statistics		6cp
91132	Molecular Biology 1		6cp
91326	Analytical Biochemistry		6cp
91402	Anatomical Pathology		6cp
91137	DNA Profiling		6cp
91138	Investigation of Human Remains		6cp
65342	Crime Scene Investigation		6cp
91139	Complex Forensic Cases (Biology)		6cp
79028	Complex Forensic Cases (Law for Biology)		6cp
Select 24 credit points from the following options:			24cp
91401	Introductory Haematology and Immunology	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91338	Clinical Bacteriology	6cp	
91358	Advanced Haematology	6cp	
91335	Molecular Biology 2	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91129	Transfusion Science	6cp	
91359	Advanced Immunology	6cp	
91352	Parasitology	6cp	
91345	Biochemistry, Genes and Disease	6cp	
			Total 144cp

Course program

Typical course programs are shown below.

Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1		6cp
91161	Cell Biology and Genetics		6cp
68041	Physical Aspects of Nature		6cp
33116	Statistical Design and Analysis		6cp

Spring semester

91400	Human Anatomy and Physiology		6cp
65212	Chemistry 2		6cp
91123	Biocomplexity		6cp
65242	Principles of Forensic Science		6cp

Year 2

Autumn semester

91320	Metabolic Biochemistry		6cp
91314	General Microbiology		6cp
91500	Histology		6cp
35255	Forensic Statistics		6cp

Spring semester

91132	Molecular Biology 1		6cp
91326	Analytical Biochemistry		6cp
91402	Anatomical Pathology		6cp
Select 6 credit points from the following options:			6cp
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

91137	DNA Profiling		6cp
91138	Investigation of Human Remains		6cp
65342	Crime Scene Investigation		6cp
Select 6 credit points from the following options:			6cp
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	

Spring semester

91139	Complex Forensic Cases (Biology)		6cp
79028	Complex Forensic Cases (Law for Biology)		6cp
Select 12 credit points from the following options:			12cp
91129	Transfusion Science	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	

Spring commencing

Year 1

Spring semester

65111	Chemistry 1		6cp
91400	Human Anatomy and Physiology		6cp
91161	Cell Biology and Genetics		6cp
65242	Principles of Forensic Science		6cp

Year 2

Summer session

65212	Chemistry 2		6cp

Autumn semester

65342	Crime Scene Investigation		6cp
91500	Histology		6cp
91314	General Microbiology		6cp
91320	Metabolic Biochemistry		6cp

Spring semester

91132	Molecular Biology 1		6cp
91326	Analytical Biochemistry		6cp
91402	Anatomical Pathology		6cp
Select 6 credit points from the following options:			6cp
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

91138	Investigation of Human Remains		6cp
91137	DNA Profiling		6cp
33116	Statistical Design and Analysis		6cp
68041	Physical Aspects of Nature		6cp

Spring semester

91139	Complex Forensic Cases (Biology)		6cp
79028	Complex Forensic Cases (Law for Biology)		6cp
91123	Biocomplexity		6cp
Select 6 credit points from the following options:			6cp
91129	Transfusion Science	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 4

Autumn semester

35255	Forensic Statistics		6cp
Select 12 credit points from the following options:			12cp
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	

Honours

The Bachelor of Science (Honours) in Biomedical Science (C09023) (see page 117) is available to eligible students with an additional one year of full-time or equivalent part-time study. Students completing this course can be awarded the Bachelor of Science (Honours) in Biomedical Science - Forensic Biology.

Professional recognition

Graduates are eligible for membership of the Australian and New Zealand Forensic Science Society.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10184v5 Bachelor of Medical Science

Award(s): Bachelor of Medical Science (BMedSc)
UAC code: 607050 (Autumn semester, Spring semester)
CRICOS code: 023607A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This degree is designed to educate and train graduates for careers in medical and health-related sciences. It aims to produce professional medical scientists with highly adaptable and practical scientific skills accompanied by a thorough grounding in theory. It specialises in the human body's structure, function and disease processes at the cellular and whole organ level.

The course provides the foundation knowledge and skills for students who wish to go on to postgraduate programs such as medicine, dentistry, pharmacy, biomedical engineering, nutrition and dietetics, complementary medicine, public health and health administration.

Pharmaceutical companies look to medical science graduates to work in areas such as drug registration and clinical trials coordination, as technical or marketing representatives and as policy analysts. Graduates also work as consultants, providing links with bodies such as state health departments and the Therapeutic Goods Administration.

Career options

Career options include positions in private and public hospitals, public health units, government departments and in biotechnology, health technology and pharmaceutical companies.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and any two science subjects.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

Students must complete a total of 144 credit points, made up of 120 credit points of core subjects and 24 credit points of elective subjects. There is some choice within the core subjects enabling students to focus on a particular theme or area of expertise. The elective subjects enable students to increase their expertise in other areas of science or other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects.

Course completion requirements

STM90680	Foundation stream (Life and Environmental Sciences)	48cp
STM90684	Core subjects (Medical and Molecular Biology)	48cp
91705	Medical Devices and Diagnostics	6cp
91706	Neuroscience	6cp
91707	Pharmacology 1	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
91239	Human Pathophysiology	6cp
91703	Physiological Systems	6cp
CBK90582	Elective 4	6cp
		Total 144cp

Course program

Typical course programs are shown below.

Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91703	Physiological Systems	6cp
CBK90579	Elective 1	6cp

Spring semester

91132	Molecular Biology 1		6cp
91239	Human Pathophysiology		6cp
Select 12 credit points from the following options:			12cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

91707	Pharmacology 1		6cp
91706	Neuroscience		6cp
Select 12 credit points from the following options:			12cp
91403	Medical Imaging	6cp	
CBK90581	Elective 3	6cp	
CBK90580	Elective 2	6cp	

Spring semester

91709	Pharmacology 2		6cp
91708	Medical and Applied Physiology		6cp
CBK90582	Elective 4		6cp
91705	Medical Devices and Diagnostics		6cp

Spring commencing

Year 1

Spring semester

65111	Chemistry 1		6cp
91400	Human Anatomy and Physiology		6cp
91161	Cell Biology and Genetics		6cp
91123	Biocomplexity		6cp

Year 2

Summer session

65212	Chemistry 2		6cp

Autumn semester

33116	Statistical Design and Analysis		6cp
91107	The Biosphere		6cp
91314	General Microbiology		6cp
91703	Physiological Systems		6cp

Spring semester

91132	Molecular Biology 1		6cp
91239	Human Pathophysiology		6cp
Select 12 credit points from the following options:			12cp
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	
91326	Analytical Biochemistry	6cp	

Year 3

Autumn semester

91707	Pharmacology 1		6cp
91706	Neuroscience		6cp
91320	Metabolic Biochemistry		6cp
68041	Physical Aspects of Nature		6cp

Spring semester

91709	Pharmacology 2		6cp
91705	Medical Devices and Diagnostics		6cp
91708	Medical and Applied Physiology		6cp
CBK90579	Elective 1		6cp

Year 4

Autumn semester

Select 18 credit points from the following options:			18cp
91403	Medical Imaging	6cp	
CBK90580	Elective 2	6cp	
CBK90581	Elective 3	6cp	
CBK90582	Elective 4	6cp	

Honours

The Bachelor of Medical Science (Honours) (C09031) (see page 118) is available to eligible students with an additional one year of full-time study.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10186v7 Bachelor of Health Science in Traditional Chinese Medicine

Award(s): Bachelor of Health Science in Traditional Chinese Medicine (BHlthSc)
UAC code: 607055 (Autumn semester)
CRICOS code: 023606B
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City campus

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course provides graduates with a professional entry level for the practice of acupuncture and Chinese herbal medicine. It aims to produce professional Chinese medicine practitioners with highly adaptable and practical clinical skills accompanied by a thorough grounding in theory.

The course has a strong history of delivering highly skilled practitioners and researchers. Students complete over 1030 hours of clinical practice starting in their first semester, first year of study and are well equipped for private practice. Opportunity exists for clinical internship in China and Korea, or by pursuing the combined degree with international studies by learning Mandarin and studying in China for a year.

Career options

Career options include self employment in private practice or as part of an interdisciplinary clinical team. Opportunities exist in healthcare policy development and consultancy; research trial coordination; and sales, marketing and product development for herbal and pharmaceutical companies.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers must submit a personal statement to UTS by 30 November. Further information is available from:

www.undergraduate.uts.edu.au/apply

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English; and any two units of science.

Biology is recommended.

Course duration and attendance

This course can be completed over four years of full-time study. Attendance involves approximately 24 hours each week at the University. This also involves students practising their skills in the UTS acupuncture and herbal medicine clinics as required during the course.

Course structure

The course comprises 192 credit points of study and consists of eight academic stages, taken over four years of full-time study.

Industrial training/professional practice

Students gain practical clinical experience treating patients under the guidance of qualified health professionals. There are also options to undertake external clinical placements in Australia and overseas.

Course completion requirements

99665	Chinese Medicine Foundations 1	6cp
99641	Point Location and Acupuncture Anatomy	6cp
92227	Communication for the Complementary Therapist	6cp
99667	Clinical Theory and Clinic Level 1	6cp
99666	Chinese Medicine Foundations 2	6cp
99567	Introduction to Chinese Herbal Medicine	6cp
91528	Health and Homeostasis	6cp
99668	Clinic Level 2 and Acupuncture Techniques 1	6cp
99618	Chinese Diagnostic System 1	6cp
99650	Pharmacology of Chinese Herbal Medicine	6cp
91529	Pathophysiology and Pharmacology 1	6cp
99651	Chinese Herbal Formula 1	6cp
99621	Chinese Diagnostic System 2	6cp
91530	Pathophysiology and Pharmacology 2	6cp
99652	Chinese Herbal Formula 2	6cp
99584	Clinical Features of Disease	6cp
91610	Medical Classics and the History of Chinese Medicine	6cp
99646	Clinic Level 5 and Acupuncture Microsystems	6cp
99656	Disease States for Traditional Chinese Medicine 1	6cp
91611	Clinical Practicum (Therapy and Diagnosis)	6cp
99647	Clinic Level 6	6cp
99657	Disease States for Traditional Chinese Medicine 2	6cp
91614	Evaluating TCM: Theory, Practice and Research 1	6cp
99630	Clinical Practice 1 (TCM)	12cp
91613	Professional Issues in Traditional Chinese Medicine	6cp
91615	Evaluating TCM: Theory, Practice and Research 2	6cp
99631	Clinical Practice 2 (TCM)	12cp
99644	Clinic Level 3 and Acupuncture Techniques 2	6cp
99645	Clinic Level 4 and Acupuncture Techniques 3	6cp
91527	Pathophysiology and Pharmacology 3	6cp
		Total 192cp

Course program

The program is shown below.

Year 1

Autumn semester

99665	Chinese Medicine Foundations 1	6cp
99641	Point Location and Acupuncture Anatomy	6cp
99667	Clinical Theory and Clinic Level 1	6cp
92227	Communication for the Complementary Therapist	6cp

Spring semester

99567	Introduction to Chinese Herbal Medicine	6cp
99666	Chinese Medicine Foundations 2	6cp
99668	Clinic Level 2 and Acupuncture Techniques 1	6cp
91528	Health and Homeostasis	6cp

Year 2

Autumn semester

99618	Chinese Diagnostic System 1	6cp
99644	Clinic Level 3 and Acupuncture Techniques 2	6cp
99650	Pharmacology of Chinese Herbal Medicine	6cp
91529	Pathophysiology and Pharmacology 1	6cp

Spring semester

99621	Chinese Diagnostic System 2	6cp
99645	Clinic Level 4 and Acupuncture Techniques 3	6cp
99651	Chinese Herbal Formula 1	6cp
91530	Pathophysiology and Pharmacology 2	6cp

Year 3

Autumn semester

99584	Clinical Features of Disease	6cp
99646	Clinic Level 5 and Acupuncture Microsystems	6cp
99652	Chinese Herbal Formula 2	6cp
91527	Pathophysiology and Pharmacology 3	6cp

Spring semester

91610	Medical Classics and the History of Chinese Medicine	6cp
91611	Clinical Practicum (Therapy and Diagnosis)	6cp
99647	Clinic Level 6	6cp
99656	Disease States for Traditional Chinese Medicine 1	6cp

Year 4

Autumn semester

91614	Evaluating TCM: Theory, Practice and Research 1	6cp
99630	Clinical Practice 1 (TCM)	12cp
99657	Disease States for Traditional Chinese Medicine 2	6cp

Spring semester

91613	Professional Issues in Traditional Chinese Medicine	6cp
99631	Clinical Practice 2 (TCM)	12cp
91615	Evaluating TCM: Theory, Practice and Research 2	6cp

Transfer between UTS courses

Students have the opportunity to transfer into the combined degree of Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies (C10164) (see page 215). This involves an additional two years of language and culture training in Australia and China.

Professional recognition

The course is accredited by the Australian Health Practitioner Regulation Agency (AHPRA) and graduates are eligible for professional membership as a health practitioner with the Chinese Medicine Board of Australia (CMBA) within AHPRA.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10206v5 Bachelor of Education in Primary Education

Award(s): Bachelor of Education in Primary Education (BEd)
UAC code: 600038 (Autumn semester)
CRICOS code: 008763C
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: Kuring-gai campus

Overview

This course prepares students to teach in schools from kindergarten to Year 6. It is a practice-oriented course that aims to produce high-quality graduates through an integrated program of the latest educational theory, along with professional experience every semester in every year. Students continually develop teaching competence throughout the entire degree by teaching what they learn in professional experience.

This course is designed for students who want the benefit of extensive and diverse professional experience opportunities. Students also study innovative teaching methods in the key learning areas and have a wide choice of electives in which to add depth of study in fields of interest. Students have the opportunity to undertake an international teaching practicum in countries such as China, Thailand or Samoa.

Course aims

The course aims to produce primary school teachers who are reflective in their practice, are able to manage the changing nature of teaching, have well developed interpersonal skills, are keen to put current developments in learning and teaching into practice, and have a commitment to lifelong learning.

Career options

Career options include a primary school teacher (kindergarten to Year 6) in a public or private school locally and internationally. Other options include a curriculum consultant, educational researcher or educator in a community setting such as a hospital, community or migrant education centre.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local students apply through the Universities Admissions Centre.

International students

International students apply through UTS International.

Assumed knowledge

Competency in English and mathematics is a requirement. To gain employment as primary teachers in NSW schools, students must have achieved: HSC minimum Band 4 in English Advanced, Standard English or English as a Second Language, and HSC General Mathematics minimum Band 4 or completion of Mathematics or Extension Mathematics to an equivalent standard. At UTS, students who do not have the requisite HSC Mathematics are provided with a concurrent pathway to complete an equivalent course in General Mathematics (see www.education.uts.edu.au/students/maths).

Similarly, students who do not demonstrate the requisite HSC English are required to attend intensive workshops where they are provided with specific tuition.

Course duration and attendance

The course duration is four years of full-time study. The course may also be undertaken at a reduced load, provided it is completed within six years.

Course structure

The course totals 192 credit points of study and has three main streams.

- Key learning areas: develops student knowledge of the primary school syllabus and builds pedagogical skill in its implementation.
- Professional experience: builds student knowledge and skill in core aspects of teaching and learning practice, applies that practice in the field, and reflects on it critically in subsequent course elements.
- Contextual studies: where knowledge of the influences on students, on their evolving sense of themselves and their place in the social and physical world, and on their learning is examined.

Students also study a wide range of electives. Honours is available to meritorious students instead of electives.

Industrial training/professional practice

Students undertake professional experience teaching in schools and/or community settings in every semester, and every year, throughout the degree. This includes a 20-day internship with a teaching and professional learning element. In the third year, an international teaching placement is available in China, Thailand or Samoa.

Course completion requirements

STM90328	Professional Experience		48cp
Select one of the following:			36cp
CBK90438	Elective	36cp	
STM90572	Honours	36cp	
STM90325	Key Learning Areas		78cp
STM90326	Contextual Studies		30cp
			Total 192cp

Course program

Example programs are given below for a student commencing in Autumn semester and undertaking the course full time with and without honours.

Full time, without honours

Year 1

Autumn semester

012208	English Education 1	6cp
012217	Personal Development, Health and Physical Education 1	6cp
012220	Visual Arts Education	6cp
012231	Professional Experience 1: Beginning Teaching	6cp

Spring semester

012215	Social and Environmental Education 1	6cp
012219	Music, Movement and Dance	6cp
012222	Child Development	6cp
012232	Professional Experience 2: Developing Classroom Management	6cp

Year 2

Autumn semester

012210	Mathematics Teaching and Learning 1	6cp
012213	Learning in Science and Technology 1	6cp
012223	Research in Learning	6cp
012233	Professional Experience 3: Integrating Learning Technologies	6cp

Spring semester

012209	English Education 2	6cp
012218	Personal Development, Health and Physical Education 2	6cp
012224	Sociology of Education	6cp
012234	Professional Experience 4: Integrating Diverse Contexts in Education	6cp

Year 3

Autumn semester

012216	Social and Environmental Education 2	6cp
012235	Professional Experience 5: Teaching Students with Special Educational Needs	6cp
Select 12 credit points of electives		12cp

Spring semester

012211	Mathematics Teaching and Learning 2	6cp
012214	Learning in Science and Technology 2	6cp
012225	Issues in Indigenous Australian Education	6cp
012236	Professional Experience 6: Programming and Assessing in Education	6cp

Year 4

Autumn semester

Select one of the following:			6cp
012212	Mathematics Teaching and Learning 3	6cp	
012221	Philosophical and Ethical Practice in Education	6cp	
012237	Professional Experience 7: Meeting the English Language Needs of Learners		6cp
Select 12 credit points of electives			12cp

Spring semester

Select one of the following:		6cp
012221	Philosophical and Ethical Practice in Education	6cp
012212	Mathematics Teaching and Learning 3	6cp
012238	Professional Experience 8: Reflecting on Educational Practice	6cp
Select 12 credit points of electives		12cp

Honours stream: Years 3 and 4

Year 3

Autumn semester

012216	Social and Environmental Education 2	6cp
012221	Philosophical and Ethical Practice in Education	6cp
012235	Professional Experience 5: Teaching Students with Special Educational Needs	6cp
023625	Research Seminar	6cp

Spring semester

012211	Mathematics Teaching and Learning 2	6cp
012225	Issues in Indigenous Australian Education	6cp
012236	Professional Experience 6: Programming and Assessing in Education	6cp
015381	Thesis Development and Appraisal	6cp

Year 4

Autumn semester

012212	Mathematics Teaching and Learning 3	6cp
012237	Professional Experience 7: Meeting the English Language Needs of Learners	6cp
023634	Honours Thesis 1	12cp

Spring semester

012214	Learning in Science and Technology 2	6cp
012238	Professional Experience 8: Reflecting on Educational Practice	6cp
023635	Honours Thesis 2	12cp

Honours

Honours is available in the third and fourth years to meritorious students.

Professional recognition

The course provides a teaching qualification recognised by the NSW Department of Education and Training, Independent Schools Association, Catholic Education Office, and is also recognised internationally. Accreditation of the primary teacher education component of the course is through the New South Wales Institute of Teachers (NSWIT). To gain employment as a teacher in NSW schools, graduates must meet the requirements of the NSWIT, including language proficiency and maths (see www.education.uts.edu.au/students/maths).

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C10208v5 Bachelor of Education Bachelor of Arts in International Studies

Award(s): Bachelor of Education (BEd)
Bachelor of Arts in International Studies (BA)
UAC code: 609160 (Autumn semester)
CRICOS code: 025816J
Commonwealth-supported place?: Yes
Load credit points: 252
Course EFTSL: 5.25
Location: Kuring-gai campus

Overview

This combined degree prepares students to teach in schools from kindergarten to Year 6, ensuring they are well equipped to meet the challenges of local and international teaching. It is a practice-based course that aims to produce high-quality graduates through an integrated program combining the latest educational theory with professional experience. In the fourth year, students undertake a year of in-country study at an overseas university.

The degree is for students who want a strong practice-oriented primary education qualification and the benefit of learning and studying another language and culture, which includes a year living overseas studying in their country of choice. It may appeal to students who want an international study experience or are aiming for an international career.

Course aims

This combined degree aims to provide students with the professional education necessary for preparation for primary teaching, while at the same time providing an opportunity to acquire knowledge and understanding of another language and culture.

Career options

Career options include a primary school teacher (kindergarten to Year 6) in a public or private school, a curriculum consultant, educational researcher or educator in a community setting such as a hospital, community or migrant education centre. Career options in primary school teaching and teaching English as a second language overseas are enhanced by international experience.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Education in Primary Education (C10206) (see page 224). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local students apply through the Universities Admissions Centre.

International students

International students apply through UTS International.

Assumed knowledge

Competency in English and mathematics is a requirement. To gain employment as primary teachers in NSW schools, students

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

must have achieved: HSC minimum Band 4 in English Advanced, Standard English or English as a Second Language, and HSC General Mathematics minimum Band 4 or completion of Mathematics or Extension Mathematics to an equivalent standard. At UTS, students who do not have the requisite HSC Mathematics are provided with a concurrent pathway to complete an equivalent course in general mathematics. Similarly, students who do not demonstrate the requisite HSC English are required to attend intensive workshops where they are provided with specific tuition.

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course duration is five years of full-time study. The course may also be undertaken at a reduced load, provided it is completed within six years. Students spend two semesters of study at a university or other higher education institution in the country of their major. The international studies component of the course is offered at City campus only.

Course structure

Students are required to complete 252 credit points of study, comprising 156 credit points in teacher education and 96 credit points in international studies.

The teacher education component includes three streams:

- Key learning areas: develops student knowledge of the primary school syllabus and builds pedagogical skill in its implementation.
- Professional experience: builds student knowledge and skill in core aspects of teaching and learning practice, applies that practice in the field, and reflects on it critically in subsequent course elements.
- Contextual studies: where knowledge of the influences on students, on their evolving sense of themselves and their place in the social and physical world, and on their learning is examined.

The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. It is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

The primary teacher education component includes the Professional Experience stream, which allows students to complete significant teaching and learning experiences in schools and other settings. This includes a 20-day internship with a teaching and professional learning element.

Course completion requirements

CBK90005	Country major choice	96cp
STM90328	Professional Experience	48cp
STM90325	Key Learning Areas	78cp
STM90326	Contextual Studies	30cp
		Total 252cp

Course program

An example program is given for a student undertaking the course full time with the Germany major as the international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Year 1

Autumn semester

012208	English Education 1	6cp
012217	Personal Development, Health and Physical Education 1	6cp
012231	Professional Experience 1: Beginning Teaching	6cp
012220	Visual Arts Education	6cp

Spring semester

012215	Social and Environmental Education 1	6cp
012222	Child Development	6cp
012232	Professional Experience 2: Developing Classroom Management	6cp
012219	Music, Movement and Dance	6cp

Year 2

Autumn semester

012210	Mathematics Teaching and Learning 1	6cp
012233	Professional Experience 3: Integrating Learning Technologies	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

012209	English Education 2	6cp
012218	Personal Development, Health and Physical Education 2	6cp
012234	Professional Experience 4: Integrating Diverse Contexts in Education	6cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

012216	Social and Environmental Education 2	6cp
012223	Research in Learning	6cp
012235	Professional Experience 5: Teaching Students with Special Educational Needs	6cp
97603	German Language and Culture 3	8cp

Spring semester

012211	Mathematics Teaching and Learning 2	6cp
012236	Professional Experience 6: Programming and Assessing in Education	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

012212	Mathematics Teaching and Learning 3	6cp
012213	Learning in Science and Technology 1	6cp
012221	Philosophical and Ethical Practice in Education	6cp
012237	Professional Experience 7: Meeting the English Language Needs of Learners	6cp

Spring semester

012214	Learning in Science and Technology 2	6cp
012224	Sociology of Education	6cp
012225	Issues in Indigenous Australian Education	6cp
012238	Professional Experience 8: Reflecting on Educational Practice	6cp

Professional recognition

The course provides a teaching qualification recognised by the NSW Department of Education and Training, Association of Independent Schools, Catholic Education Office, and is also recognised internationally. Accreditation of the primary teacher education component of the course is through the New South Wales Institute of Teachers (NSWIT). To gain employment as a teacher in NSW schools, graduands must meet the requirements of the NSWIT, including language proficiency.

Other information

Further information on the teacher education component is available from UTS: Education on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.education.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10209v4 Bachelor of Arts in Educational Studies

Award(s): Bachelor of Arts in Educational Studies (BA)
CRICOS code: 060168A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

From 2002, students who originally enrolled in the Bachelor of Education in Primary Education (C10206) (see page 224), Bachelor of Education in Special Education (C10207), Bachelor of Education Bachelor of Arts in International Studies (C10208) (see page 226) or the Bachelor of Teaching in Secondary Education (C08002) (see page 521) have the opportunity of changing to this three-year degree (subject to the approval of the program director). This degree does not provide qualifications to teach.

Career options

Careers are education related.

Course duration and attendance

The course duration is three years of full-time study.

Course structure

Students complete 144 credit points of study.

Course completion requirements

Select one of the following:		144cp
CBK90121 Primary Education	144cp	
CBK90601 Secondary Education	144cp	
		Total 144cp

Exit award

This exit-only course enables students originally enrolled in the Bachelor of Education in Primary Education (C10206) (see page 224), Bachelor of Education in Special Education (C10207), Bachelor of Education Bachelor of Arts in International Studies (C10208) (see page 226) or the Bachelor of Teaching in Secondary Education (C08002) (see page 521) to transfer to this course and complete with a three-year, non-teaching qualification.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10214v3 Bachelor of Construction Project Management

Award(s): Bachelor of Construction Project Management (BCPM)
UAC code: 602025 (Autumn semester)
CRICOS code: 044183B
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City campus

Overview

Widely regarded as one of the most respected courses within the industry, the Bachelor of Construction Project Management provides a comprehensive construction education. This unique degree provides graduates with the broader skills and knowledge base required to meet the changing demands of the construction, infrastructure and related industries.

This course puts students at the forefront of contemporary industry practice as they deal with real-life examples and case studies that facilitate the application of theory in a way that is practical and relevant.

Graduates are renowned among employers for their practical knowledge and professional skills.

The course satisfies all the main accreditation requirements for the disciplines of construction management and quantity surveying. Students can also study sub-majors in areas of particular interest. Examples include sub-majors in environmental studies and architectural studies. The course also provides skills and knowledge that can be applied in other industries such as mining, petrochemicals and infrastructure development.

The course offers a unique blend of theory and practice that incorporates concurrent industrial experience with the end result being that students graduate as highly skilled and sought-after professionals.

Course aims

This course is concerned with the management of all aspects of the construction process, including business management, construction management, design management, project management, quantity surveying, contract administration and property development. It delivers all the recognised competencies for construction project management professionals while introducing the prospect of diversifying into project management.

Career options

Career opportunities for graduates include project manager, construction manager, construction economist, quantity surveyor, design manager, environmental manager, contract manager, site manager, construction programmer, cost engineer, estimator, facility manager and property developer.

Graduates have a wide range of employment opportunities and can work in both the private and public sectors for employers such as building proprietors, contractors, developers, government bodies and consultancy practices or be self-employed entrepreneurs. As key professionals in the construction industry, graduates work closely with other professional disciplines, industry groups and development authorities.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

UTS: Design, Architecture and Building may consider applications based on the results of the Special Tertiary Admissions Test (STAT) if students lack academic qualifications but have extensive professional experience. The STAT is conducted through the Universities Admissions Centre.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Credit recognition

Students with prior academic or industrial experience are considered for credit recognition for up to a maximum of 96 credit points (50 per cent of the course) and may be given the opportunity to tailor their program of study in line with subjects completed previously at other institutions. Contact a UTS Student Centre for further information.

Course duration and attendance

The course is offered on a four-year, full-time or six-year, part-time basis. Students may transfer between part-time and full-time attendance patterns. Part-time students attend one day and one evening a week. Full-time students may be expected to attend at any time during the week. The contact hours allocated to each subject

are nominal and often involve a combination of lectures, tutorials, workshops and self-directed teaching methods. Some subjects are offered online and, according to demand, some subjects may be offered over Summer session.

Course structure

The course program consists of 192 credit points, comprising 28 6-credit-point core subjects and four 6-credit-point electives, the latter chosen either from within UTS: Design, Architecture and Building or from the many electives offered by other faculties throughout the University.

Students undertaking four elective subjects (24 credit points) within a common area are eligible for a sub-major. Sub-majors are offered in project management, construction finance/economics and architectural studies, depending on demand.

Industrial training/professional practice

In this course, the value of concurrent industry experience is recognised and students are required to accumulate relevant industry experience prior to graduating. The course provides part-time and flexible study options to enable students to gain this valuable industry experience during their studies.

Course completion requirements

STM90373	Core subjects (Construction)	168cp
CBK90242	Sub-major/Electives (DAB)	24cp
		Total 192cp

Course program

The example program below is for a student commencing in Autumn semester and undertaking the course full time.

Full time

Year 1

Autumn semester

16468	Introduction to the Built Environment	6cp
16466	Built Environment Economics	6cp
16109	Construction Technology 1	6cp
16137	Digital Built Environment	6cp

Spring semester

16467	Built Environment Law and Ethics	6cp
16103	Materials Science	6cp
16266	Sustainable Urban Design and Development	6cp
16265	Construction Technology 2	6cp

Year 2

Autumn semester

16206	Structures	6cp
16912	Site Management	6cp
16138	Site Establishment	6cp
16212	Digital Design and Construction 1	6cp

Spring semester

16105	Cost Management 1: Measurement	6cp
16314	Construction Technology 3	6cp
16913	Time and Quality Management	6cp
11204	Integrated Services	6cp

Year 3

Autumn semester

16317	Risk and Safety Management	6cp
16203	Cost Management 2: Estimating	6cp
16263	Design Team Management	6cp
Select 6 credit points of electives		6cp

Spring semester

16423	Procurement and Contract Management	6cp
16422	Construction Technology 4	6cp
16207	Cost Management 3: Cost Planning	6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

16264	Property Accounting and Financial Management	6cp
16470	Digital Design and Construction 2	6cp
16412	Cost Management 4: Advanced Estimating	6cp
Select 6 credit points of electives		6cp

Spring semester

16914	Human Resources and Communications Management	6cp
16469	Professional Practice	6cp
16307	Project Management Integration	6cp
Select 6 credit points of electives		6cp

Levels of award

The Bachelor of Construction Project Management may be awarded with first class or second class honours based on the students' academic performance over the entirety of their studies. The class of honours is determined by academic merit.

Professional recognition

Royal Institution of Chartered Surveyors (RICS); Australian Institute of Quantity Surveyors (AIQS); Australian Institute of Building (AIB); Chartered Institute of Building (CIOB)

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10215v3 Bachelor of Construction Project Management Bachelor of Arts in International Studies

Award(s): Bachelor of Construction Project Management (BCPM)
Bachelor of Arts in International Studies (BA)
UAC code: 609195 (Autumn semester)
CRICOS code: 047836A
Commonwealth-supported place?: Yes
Load credit points: 288
Course EFTSL: 6
Location: City campus

Overview

Widely regarded as one of the most respected courses within industry, the Bachelor of Construction Project Management provides a comprehensive construction education. The combined Bachelor of Construction Project Management Bachelor of Arts in International Studies aims to provide graduates not only with those skills necessary for the management of all aspects of the construction process, but also to develop perspectives and understandings that enable them to meet the demands of an internationalised professional environment.

This course puts students at the forefront of industry as they deal with real-life examples, applying theory in a way that is practical and relevant. Graduates are renowned among employers for their hands-on knowledge and professional skills.

The course satisfies all the main accreditation requirements for the disciplines of quantity surveying and construction management and students can study a sub-major in project management or construction finance and economics. It also provides skills and knowledge that can be applied in other industries, such as mining, petrochemicals and infrastructure.

UTS: Design, Architecture and Building offer a unique blend of theory and practice so that students graduate as highly skilled and sought-after professionals. Concurrent industrial experience is a feature of the course with students required to acquire a specified level of industry experience before graduating.

Graduates also possess an advanced understanding of the language and culture of their chosen country of study, thus enabling them to pursue a range of career paths both locally and internationally.

Course aims

This course is concerned with management of all aspects of the construction process, including business management, construction management, design management, quantity surveying, contract management and property development. It delivers all the recognised competencies for construction project management professionals while introducing the prospect of diversifying into project management.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Construction Project Management (C10214) (see page 228). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program (see page 90) with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course duration is six years of full-time study. The contact hours allocated to each subject are nominal and often involve a combination of lectures, tutorials, workshops and self-directed teaching methods. Some subjects are delivered electronically through UTSOnline. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 288 credit points, comprising 192 credit points in construction project management and 96 credit points in international studies. The construction project management component comprises 28 6-credit-point core subjects and four 6-credit-point electives. Electives can be chosen either from within UTS: Design, Architecture and Building or from the many electives offered by course areas throughout the University. Students undertaking four elective subjects (24 credit points) within a common area are eligible for a sub-major. Sub-majors are offered in three areas, depending on demand. Work experience comprises an important component of the course. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

In the Bachelor of Construction Project Management, the value of hands-on experience is recognised and part-time work in the industry is encouraged; all students are required to accumulate relevant industry experience prior to graduating. The course provides part-time and flexible study options to enable students to gain this valuable industry experience during their studies.

Course completion requirements

CBK90005	Country major choice	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
STM90373	Core subjects (Construction)	168cp
		Total 288cp

Course program

The example program below is for a student commencing in Autumn semester and undertaking the course with the Germany major as the international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Year 1

Autumn semester

16137	Digital Built Environment	6cp
16466	Built Environment Economics	6cp
16109	Construction Technology 1	6cp
16468	Introduction to the Built Environment	6cp

Spring semester

16103	Materials Science	6cp
16266	Sustainable Urban Design and Development	6cp
16265	Construction Technology 2	6cp
16467	Built Environment Law and Ethics	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
16206	Structures	6cp
16912	Site Management	6cp

Spring semester

16314	Construction Technology 3	6cp
97602	German Language and Culture 2	8cp
16105	Cost Management 1: Measurement	6cp

Year 3

Autumn semester

16138	Site Establishment	6cp
97603	German Language and Culture 3	8cp
16212	Digital Design and Construction 1	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
16913	Time and Quality Management	6cp
11204	Integrated Services	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

16263	Design Team Management	6cp
16203	Cost Management 2: Estimating	6cp
16317	Risk and Safety Management	6cp
Select 6 credit points of electives		6cp

Spring semester

16207	Cost Management 3: Cost Planning	6cp
16422	Construction Technology 4	6cp
16423	Procurement and Contract Management	6cp
Select 6 credit points of electives		6cp

Year 6

Autumn semester

16264	Property Accounting and Financial Management	6cp
16412	Cost Management 4: Advanced Estimating	6cp
16470	Digital Design and Construction 2	6cp
Select 6 credit points of electives		6cp

Spring semester

16307	Project Management Integration	6cp
16469	Professional Practice	6cp
16914	Human Resources and Communications Management	6cp
Select 6 credit points of electives		6cp

Levels of award

The Bachelor of Construction Project Management may be awarded with first class or second class honours based on students' academic performance over the entirety of their studies. The class of honours is determined by academic merit.

Professional recognition

Royal Institution of Chartered Surveyors (RICS); Australian Institute of Quantity Surveyors (AIQS); Australian Institute of Building (AIB); Chartered Institute of Building (CIOB).

Other information

Further information on the construction component is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10219v4 Bachelor of Business Bachelor of Science in Information Technology

Award(s): Bachelor of Business (BBus)
Bachelor of Science in Information Technology (BSc)
UAC code: 603220 (Autumn semester)
CRICOS code: 047835B
Commonwealth-supported place?: Yes
Load credit points: 192
Course EFTSL: 4
Location: City campus

Overview

This course is offered jointly by UTS: Information Technology and UTS: Business and is awarded with two testamurs. The information technology component provides a sound education in all aspects of computing and information technology for students who intend to make a career in the profession. The business component provides students with the knowledge, competencies and values necessary for fulfilling an effective career in business.

Graduates with solid IT skills who also understand business operations are in strong demand in industry. This combined program allows students to gain two degrees, leading towards a career in business IT operations in only four years.

Course aims

The aim of this course is to prepare graduates to apply an in-depth knowledge of information technology to the business activities of an organisation.

Career options

Career options include accountant, advertising consultant, analyst/programmer, banker, business analyst, economist, financial planner, information systems developer, ICT business analyst, IT project manager, management consultant, marketing manager, network specialist, software developer, systems analyst and web developer.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers are advised to complete the employment question on their UAC application and provide supporting statements of employment to UAC as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

HSC Mathematics Extension 1 and English Advanced are recommended.

External articulation

Students who gain entry through the UTS INSEARCH pathway are eligible for 48 credit points of credit recognition.

Students who have completed a relevant diploma at TAFE NSW may be eligible for credit recognition if subjects previously completed are equivalent to existing UTS subjects. Details are available from the Building 10 Student Centre.

Credit recognition

Students who have previously undertaken study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

The prior study must have been completed before commencement of this course, but no earlier than three years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. For further details see:

www.uts.edu.au/future-students/information-technology/essential-information/it-undergraduate-credit-recognition

There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of the these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course duration and attendance

The course duration is four years of full-time study. Some subjects may be offered in an optional Summer session so that students can fast-track their studies.

Course structure

Students are required to complete 192 credit points, comprising 96 credit points of study in business and 96 credit points of study in information technology.

In the business component, students must complete eight foundation core subjects (6 credit points each) and a business major (48 credit points).

In the information technology component, students must complete eight foundation core subjects (6 credit points each) and an IT major (48 credit points).

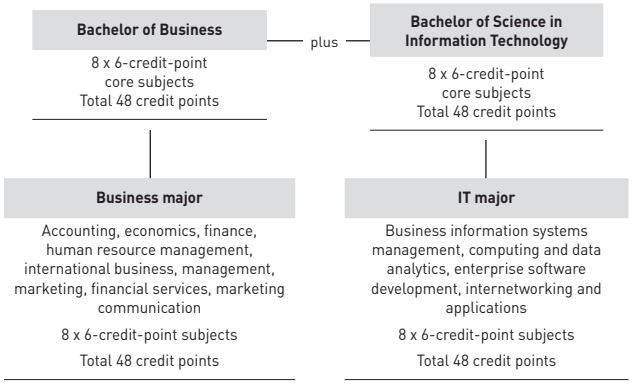
Industrial training/professional practice

Industrial training is available as an additional year and students enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) once they have secured suitable full-time employment. This incorporates a minimum of nine months full-time work experience with four supporting subjects at UTS. Full-time students normally undertake the industrial training after completing Year 3. International students can work full-time for the duration of the diploma.

Course completion requirements

CBK90169	Major choice (Business)	48cp
STM90273	Core subjects (Business)	48cp
STM90651	Core subjects (Information Technology)	48cp
CBK90781	Major choice (Information Technology)	48cp
		Total 192cp

Course diagram



Course program

Example programs are shown below for each IT major for a student who has chosen Human Resource Management for the business major. Students choose one business major (from CBK90169) and one IT major (from CBK90781).

Note: Subjects listed as electives and IT major subjects are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Business major list

MAJ08437	Accounting	48cp
MAJ08438	Management	48cp
MAJ08440	Finance	48cp
MAJ08441	Marketing	48cp
MAJ08442	International Business	48cp
MAJ08446	Human Resource Management	48cp
MAJ09209	Economics	48cp
MAJ08068	Financial Services	48cp
MAJ08116	Marketing Communication	48cp

Business Information Systems Management major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp

Spring semester

48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
23115	Economics for Business	6cp
26134	Business Statistics	6cp

Year 2

Autumn semester

21129	Managing People and Organisations	6cp
31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
22207	Accounting for Business Decisions B	6cp

Spring semester

31271	Database Fundamentals	6cp
25300	Fundamentals of Business Finance	6cp
24108	Marketing Foundations	6cp
31247	Collaborative Business Processes	6cp

Year 3

Autumn semester

21555	Human Resource Management	6cp
21510	The Global Context of Management	6cp
31257	Information System Development Methodologies	6cp
31255	Finance and IT	6cp

Spring semester

21440	Management Skills	6cp
31258	Innovations for Global Relationship Management	6cp
31276	Networked Enterprise Architecture	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

31272	Project Management and the Professional	6cp
31245	Business Process and IT Strategy	6cp
21037	Managing Employee Relations	6cp
21512	Understanding Organisations: Theory and Practice	6cp

Spring semester

21505	Human Resource Management (Capstone)	6cp
21407	Strategic Human Resource Management	6cp
31280	Strategic IT Project	6cp

Select 6 credit points from the following options: 6cp

31097	IT Operations Management	6cp
31282	Systems Testing and Quality Management	6cp
48270	Entrepreneurship and Commercialisation	6cp

Computing and Data Analytics major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp

Spring semester

48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
23115	Economics for Business	6cp
26134	Business Statistics	6cp

Year 2

Autumn semester

21129	Managing People and Organisations	6cp
31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
22207	Accounting for Business Decisions B	6cp

Spring semester

31271	Database Fundamentals	6cp
25300	Fundamentals of Business Finance	6cp
24108	Marketing Foundations	6cp
35101	Introduction to Linear Dynamical Systems	6cp

Year 3

Autumn semester

21555	Human Resource Management	6cp
21510	The Global Context of Management	6cp
35151	Introduction to Statistics	6cp
31250	Introduction to Data Analytics	6cp

Spring semester

21440	Management Skills	6cp
21036	Managing Strategic Performance	6cp
31272	Project Management and the Professional	6cp

Select 6 credit points from the following options: 6cp

31259	Intelligent Agents	6cp
31256	Image Processing and Pattern Recognition	6cp
31005	Advanced Data Analytics	6cp
31075	Object-relational Databases	6cp

Year 4

Autumn semester

21037	Managing Employee Relations	6cp
41004	Analytics Capstone Project	6cp
21512	Understanding Organisations: Theory and Practice	6cp

Select 6 credit points from the following options: 6cp

31050	Programming with Patterns	6cp
31253	Database Programming	6cp
31000	e-Business Trading	6cp
31251	Data Structures and Algorithms	6cp

Spring semester

21505	Human Resource Management (Capstone)		6cp
21407	Strategic Human Resource Management		6cp
Select 12 credit points from the following options:			12cp
31005	Advanced Data Analytics	6cp	
31259	Intelligent Agents	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31243	Analytics Capstone Project B	6cp	
31075	Object-relational Databases	6cp	

Enterprise Systems Development major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp

Spring semester

48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
23115	Economics for Business	6cp
26134	Business Statistics	6cp

Year 2

Autumn semester

21129	Managing People and Organisations	6cp
31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
22207	Accounting for Business Decisions B	6cp

Spring semester

31271	Database Fundamentals	6cp
25300	Fundamentals of Business Finance	6cp
24108	Marketing Foundations	6cp
48024	Applications Programming	6cp

Year 3

Autumn semester

21555	Human Resource Management	6cp
21510	The Global Context of Management	6cp
31260	Interface Design	6cp
31251	Data Structures and Algorithms	6cp

Spring semester

21440	Management Skills	6cp
31281	Systems Development Project	12cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

31272	Project Management and the Professional		6cp
21037	Managing Employee Relations		6cp
21512	Understanding Organisations: Theory and Practice		6cp
Select 6 credit points from the following options:			6cp
31253	Database Programming	6cp	
31284	Web Services Development	6cp	
31100	Enterprise Development with .NET	6cp	
31285	Mobile Applications Development	6cp	
31777	Human-Computer Interaction	6cp	
41001	Cloud Computing and Software as a Service	6cp	

Spring semester

21505	Human Resource Management (Capstone)		6cp
21407	Strategic Human Resource Management		6cp
48440	Software Engineering Practice		6cp
Select 6 credit points from the following options:			6cp
48433	Software Architecture	6cp	
31284	Web Services Development	6cp	
31075	Object-relational Databases	6cp	
31242	Advanced Internet Programming	6cp	
31285	Mobile Applications Development	6cp	
31335	Extreme Programming	6cp	
31927	Application Development with .NET	6cp	
41889	Application Development in the iOS Environment	6cp	
41005	Cloud-based Enterprise Application Development	6cp	

Internetworking and Applications major

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp

Spring semester

48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
23115	Economics for Business	6cp
26134	Business Statistics	6cp

Year 2

Autumn semester

21129	Managing People and Organisations	6cp
31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
22207	Accounting for Business Decisions B	6cp

Spring semester

31271	Database Fundamentals	6cp
25300	Fundamentals of Business Finance	6cp
24108	Marketing Foundations	6cp
31277	Routing and Internetworks	6cp

Year 3

Autumn semester

21510	The Global Context of Management	6cp
21555	Human Resource Management	6cp
31284	Web Services Development	6cp
41900	Fundamentals of Security	6cp

Spring semester

21440	Management Skills	6cp
31275	Mobile Networking	6cp
31246	Network Design	6cp
21036	Managing Strategic Performance	6cp

Year 4

Autumn semester

21037	Managing Employee Relations		6cp
21512	Understanding Organisations: Theory and Practice		6cp
31272	Project Management and the Professional		6cp
Select 6 credit points from the following options:			6cp
31748	Programming on the Internet	6cp	
31254	e-Commerce	6cp	
48024	Applications Programming	6cp	
31274	Network Management	6cp	
31283	WANs and Virtual LANs	6cp	
31285	Mobile Applications Development	6cp	
48436	Digital Forensics	6cp	
48730	Network Security	6cp	

Spring semester

21505	Human Resource Management (Capstone)		6cp
21407	Strategic Human Resource Management		6cp
31261	Internetworking Project		6cp
Select 6 credit points from the following options:			6cp
31242	Advanced Internet Programming	6cp	
31338	Network Servers	6cp	
41890	Applying Network Security	6cp	
41891	Cloud Computing Infrastructure	6cp	
31283	WANs and Virtual LANs	6cp	
31285	Mobile Applications Development	6cp	
41889	Application Development in the iOS Environment	6cp	
48730	Network Security	6cp	
31091	Mobile Computing Project	6cp	

Levels of award

The Bachelor of Science in Information Technology may be awarded with a distinction, credit or pass.

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019)

(see page 114) or the Bachelor of Business (Honours) (C09004) (see page 111). The honours year is also available on a part-time basis over two years.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society. Students who complete the Accounting major may be eligible for membership of CPA Australia and/or the Institute of Chartered Accountants in Australia. For any other certifications, refer to the Bachelor of Business (C10026) (see page 132).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10223v1 Bachelor of Environmental Biology

Award(s): Bachelor of Environmental Biology (BEnvBio)
UAC code: 607033 (Autumn semester, Spring semester)
CRICOS code: 079561C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course provides graduates with a thorough understanding of the way living organisms function in terrestrial and aquatic environments. It focuses on the foundation components of the natural systems, how these systems work, and how detrimental impacts on them can be assessed and recovered.

Strong focus is placed on ecosystem protection and management and in practical experience undertaken during field excursions. Students are introduced to the latest findings by lecturers actively engaged in research solutions to environmental problems such as climate change and sustainability.

This course gives students the opportunity to combine environmental studies with further specialisation in analytical chemistry, molecular biology, law and urban design. These majors are attractive to students who are interested in the broad application of science to other disciplines without necessarily undertaking a combined degree.

Course aims

This course aims to produce professional environmental scientists with a solid scientific background. Graduates gain skills to detect and assess detrimental effects on their function and the environment through a dynamic combination of theory, laboratory experience and field trips.

Career options

Career options in environmental sciences include positions as scientific officers, research scientists in organisations concerned with environmental protection, national parks and wildlife, water and coastal resources, CSIRO, and at universities in research, or as an environmental analysts and consultants. Graduates are also employed by local, state or Commonwealth agencies as education officers, environmental officers or managers of parks, reserves and bushland and consulting firms, as teachers at schools and TAFE.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; any two units of English; and any two units of science.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 20 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

Students must complete a total of 144 credit points, made up of 120 credit points of core subjects and 24 credit points of elective subjects. The elective subjects enable students to increase their expertise in other areas of science or in other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects. Students must satisfactorily complete all core subjects and the required number of credit points of elective/sub-major subjects for award of the degree.

Industrial training/professional practice

Opportunities for practical experience exist through electives that provide experience in research or scientific practice, as well as field excursions.

Course completion requirements

STM90680	Foundation stream (Life and Environmental Sciences)		48cp
STM90739	Core disciplinary subjects (Environmental Biology)		36cp
CBK90577	Sub-major/Electives (Environmental Science)		24cp
91155	Stream and Lake Assessment		6cp
91116	Wildlife Ecology		6cp
91309	Biodiversity Conservation		6cp
91363	Animal Behaviour and Physiology		6cp
91270	Plant Physiology and Ecophysiology		6cp
Select 6 credit points from the following options:			6cp
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	
		Total	144cp

Course program

The following example shows a typical full-time program.

Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
Select 6 credit points of electives		6cp

Spring semester

91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
Select 12 credit points of electives		12cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 3

Autumn semester

91120	GIS and Remote Sensing	6cp
91116	Wildlife Ecology	6cp
91121	Aquatic Ecology	6cp
91309	Biodiversity Conservation	6cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select one of the following: 6cp

91371	Forest and Mountain Ecology	6cp
91370	Semi-arid Ecology	6cp
91163	Alpine and Lowland Ecology	6cp

Select 6 credit points of electives 6cp

Spring commencing

Year 1

Spring semester

91123	Biocomplexity	6cp
68041	Physical Aspects of Nature	6cp
65111	Chemistry 1	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
91154	Ecology	6cp
33116	Statistical Design and Analysis	6cp

Select 6 credit points of electives 6cp

Spring semester

65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp

Select 12 credit points of electives 12cp

Year 3

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91116	Wildlife Ecology	6cp
91121	Aquatic Ecology	6cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select 6 credit points from the following options: 6cp

91163	Alpine and Lowland Ecology	6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp

Select 12 credit points of electives 12cp

Honours

Honours is available as an additional year to meritorious students.

Professional recognition

Australian Institute for Biology, Australian Ecological Society, Australian Society for Plant Physiology, Australasian Society for Ecotoxicology, Australasian Marine Science Association.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10224v2 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies

Award(s): Bachelor of Mathematics and Computing (BMathComp)
Bachelor of Arts in International Studies (BA)
UAC code: 609225 (Autumn semester)
CRICOS code: 067091E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

For international students, mid-year (July / August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course integrates studies in mathematics and computing with immersion in another language and culture, enhancing professional training and career options. The course is designed to meet the increasing industry need for graduates with both computational and analytical skills. It offers the prospect of careers in fields which require a sound knowledge of computing together with the ability to analyse and model practical situations.

Demand for mathematics and computing skills is increasing as quantitative analysis becomes more widespread in dealing with commercial and industrial problems. There is also a growing need for teachers with skills in computing as well as mathematics, and graduates of this course are well qualified to fill this role. Employment opportunities are enhanced by the international experience of studying and living overseas.

Career options

Career options include programmer, quantitative analyst, software engineer, systems analyst and technical applications software developer. Teachers with qualifications in this field are highly sought after. Graduates of this course can expect to gain employment in a range of companies and industries that rely on IT and computational techniques, including banks, finance, insurance, logistics and transport, and manufacturing.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Mathematics and Computing (C10158) (see page 205). There are no prior language requirements. There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program (see page 95) with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The combined degree is offered only on a full-time basis over five years. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students are required to complete 240 credit points of study, comprising 144 credit points in mathematics and computing and 96 credit points in international studies. The mathematics and computing component consists of an integrated sequence of subjects

in the mathematical sciences and information technology. The international studies component requires students to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Graduation from the mathematics and computing component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Mathematics and Computing prior to completion of the international studies component of the combined degree must apply for transfer to the Bachelor of Mathematics and Computing (C10158) (see page 205) single degree program where they must complete all requirements for the stand-alone single degree version.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90324	Mathematics foundation subjects	72cp
STM90651	Core subjects (Information Technology)	48cp
CBK90373	Sub-major choice	24cp
		Total 240cp

Course program

The course commences in Autumn semester. The example program shown below is for a student choosing the Enterprise Systems Development sub-major, and the Germany major as their international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Subjects 35212 and 35252 are only available in Autumn semester. Students who wish to choose one of these subjects from the options list in Year 5 Spring semester should contact the course director to discuss possible ways to re-sequence other subjects to permit this choice.

Enterprise Systems Development sub-major

Year 1

Autumn semester

35101	Introduction to Linear Dynamical Systems	6cp
35140	Introduction to Quantitative Management	6cp
31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp

Spring semester

35102	Introduction to Analysis and Multivariable Calculus	6cp
35151	Introduction to Statistics	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
35212	Computational Linear Algebra	6cp
31269	Business Requirements Modelling	6cp
35363	Stochastic Models	6cp

Spring semester

97602	German Language and Culture 2	8cp
35111	Applications of Discrete Mathematics	6cp
35353	Regression Analysis	6cp
31271	Database Fundamentals	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
976001	Foundations in International Studies	8cp
31270	Networking Essentials	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
35231	Differential Equations	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn or Spring semester

Select 12 credit points from the following options: 12cp

31251	Data Structures and Algorithms	6cp
48440	Software Engineering Practice	6cp
31253	Database Programming	6cp
48433	Software Architecture	6cp

Autumn semester

35383	High Performance Computing	6cp
31260	Interface Design	6cp

Select 6 credit points from the following options: 6cp

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
35241	Optimisation in Quantitative Management	6cp

Spring semester

31272	Project Management and the Professional	6cp
48024	Applications Programming	6cp

Select 6 credit points from the following options: 6cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Further study at UTS

Suitably qualified graduates are eligible to proceed to an additional year of advanced study in the Bachelor of Science (Honours) in Mathematics (C09020) (see page 115) or the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114).

Professional recognition

Graduates of this course are eligible for associate-level membership of the Australian Computer Society.

Other information

Further information on the mathematics and computing component is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10225v2 Bachelor of Midwifery

Award(s): Bachelor of Midwifery (BMid)
UAC code: 606010 (FT) (Autumn semester), 606011 (PT) (Autumn semester)
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

This course is only offered to local students.

This course is not offered to international students.

Overview

The Bachelor of Midwifery incorporates midwifery theory, science and clinical practice in a range of health facilities. Graduates of the course are competent midwives who have the skills, knowledge and confidence to practise midwifery according to the international definition of the role and scope of practice of the midwife.

This course was the first Bachelor of Midwifery to be introduced in New South Wales. It provides the opportunity to apply for registration as a midwife with the Nursing and Midwifery Board of Australia without having to become a registered nurse beforehand.

Course aims

The course aims to produce informed, reflective, caring and compassionate midwives who demonstrate competencies related to professional responsibility, interpersonal processes and the exercise of clinical judgment. Graduates are capable of providing woman-centred care in both hospitals and community settings. They practise reflective, evidence-based midwifery encompassing primary health care principles as well as emotional and social aspects of birth. They promote culturally sensitive care for women from indigenous and culturally and linguistically diverse communities. The course prepares students to identify and analyse the knowledge, skills and attitudes that will continue to develop them as midwives and lifelong learners. This includes meeting the challenges of contemporary midwifery practice and maternity service provision in Australia and internationally.

Career options

Career options include being a registered midwife in both hospital and community settings, and in both metropolitan and rural areas. Career progression opportunities include midwifery education and management, consultancy roles, e.g. lactation consultant and independent practice.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The UTS Year 12 Bonus Scheme awards bonus points to Australian high school applicants based on performance in HSC subjects that are relevant to the course applied for. Further details are available at:

www.uts.edu.au/future-students/undergraduate/high-school-students/year-12-bonus-scheme

Current school leaver applicants are assessed solely on ATAR.

Entry to the course is competitive. Applicants who are over 20 and do not have competitive recognised academic qualifications are encouraged to sit a Special Tertiary Admissions Test or complete a TAFE certificate IV qualification or higher.

Non-current school leavers are strongly advised to submit a personal statement directly to UTS by 30 November 2013. Further information is available at:

www.uts.edu.au/future-students/undergraduate/essential-information/applying

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass

Eligibility for admission does not guarantee offer of a place.

Assumed knowledge

Any two units of English.

Any two units of science and any two units of mathematics are recommended.

Course duration and attendance

The course is offered at City campus on a three-year, full-time or five-year, part-time basis.

Course structure

Students must gain a minimum of 144 credit points to complete the Bachelor of Midwifery.

Full-time students study four subjects a semester incorporating midwifery theory, science and clinical practice.

Industrial training/professional practice

This course includes extensive midwifery practice, which is a compulsory component. Students undertake midwifery professional experience in an allocated area health service facility. Clinical placements occur in blocks each semester, and are in addition to time spent in the midwifery clinical practice laboratories that simulate the clinical environment. The placements involve morning, evening and possibly night shifts. Over the duration of the course, students are also required to follow 20 women throughout their pregnancy, birth and the period after birth. This requires students to be on-call to attend the labour and birth. Students in the final year of their program undertake a prolonged period of clinical experience with much of their time spent in a clinical environment. Students also have the opportunity to complete a rural and remote placement.

All midwifery students must adhere to the requirements in the Ministry of Health policy directive, 'PD2011_005 Occupational Assessment, Screening and Vaccination Against Specified Infectious Diseases', prior to commencement of any clinical practice placements. The policy can be viewed at:

www.health.nsw.gov.au/policies/PD/2011/PD2011_005.html

The policy should be read in full as it outlines students' obligation for screening and immunisation against certain infectious diseases prior to commencing their clinical placement. Students are asked to provide evidence of their immunity or vaccination status, and screening for tuberculosis (TB) status may also be required prior to the commencement of the first clinical placement. Students should be aware that if they do not meet the requirements of the policy they cannot commence the placement and as a result are not able to complete the course.

Students are also required to undertake a National Criminal Record Check and obtain a National Police Certificate. Further information is available at:

www.health.nsw.gov.au/jobs/student_clearance/index.asp

In the full-time program, students commence midwifery professional experience in the clinical setting in first year and this continues into second and third year. In the part-time program, midwifery professional experience in the clinical setting occurs in the second, fourth and fifth years of the course.

Course completion requirements

STM90744	First-year subjects	48cp
STM90745	Second-year subjects	48cp
STM90746	Third-year subjects	48cp
		Total 144cp

Course program

Typical full-time and part-time course programs are shown below.

Full time

Year 1

Autumn semester

92622	Becoming a Midwife	6cp
92271	Foundations of Midwifery Practice	6cp
92272	Anatomy and Physiology: Pregnancy and Childbirth	6cp
92632	Midwifery Practice 1: Preparation for Practice	6cp

Spring semester

92634	Transitions to Parenthood	6cp
92922	The Meaning of Birth	6cp
92927	Evidence-based Practice (Midwifery)	6cp
92630	Midwifery Practice 2: Supporting Women	6cp

Year 2

Autumn semester

99636	Essentials of Pathophysiology	6cp
92626	Midwifery Practice 3: Complex Pregnancy	6cp
92624	Complex Pregnancy	6cp
92280	Complex Newborn Care	6cp

Spring semester

92623	Complex Labour, Birth and Puerperium	6cp
92621	Aboriginal and Torres Strait Islander: Women and Babies	6cp
92627	Midwifery Practice 4: Complex Labour, Birth and Puerperium	6cp
91604	Introductory Pharmacology and Microbiology	6cp

Year 3

Autumn semester

92282	Australian Health Care System	6cp
92631	Midwifery as Primary Health Care	6cp
92625	Emergencies in Maternity Care	6cp
92628	Midwifery Practice 5: Working with Women	6cp

Spring semester

92286	International Perspectives in Midwifery	6cp
92633	Professional Practice	6cp
92283	Challenges in Midwifery Practice	6cp
92629	Midwifery Practice 6: Transitions to Being a Midwife	6cp

Part time

Year 1

Autumn semester

92622	Becoming a Midwife	6cp
92272	Anatomy and Physiology: Pregnancy and Childbirth	6cp

Spring semester

92922	The Meaning of Birth	6cp
92927	Evidence-based Practice (Midwifery)	6cp

Year 2

Autumn semester

92271	Foundations of Midwifery Practice	6cp
92632	Midwifery Practice 1: Preparation for Practice	6cp

Spring semester

92634	Transitions to Parenthood	6cp
92630	Midwifery Practice 2: Supporting Women	6cp

Year 3

Autumn semester

92631	Midwifery as Primary Health Care	6cp
92282	Australian Health Care System	6cp
99636	Essentials of Pathophysiology	6cp

Spring semester

92621	Aboriginal and Torres Strait Islander: Women and Babies	6cp
92286	International Perspectives in Midwifery	6cp
91604	Introductory Pharmacology and Microbiology	6cp

Year 4

Autumn semester

92624	Complex Pregnancy	6cp
92626	Midwifery Practice 3: Complex Pregnancy	6cp
92280	Complex Newborn Care	6cp

Spring semester

92623	Complex Labour, Birth and Puerperium	6cp
92627	Midwifery Practice 4: Complex Labour, Birth and Puerperium	6cp
92283	Challenges in Midwifery Practice	6cp

Year 5

Autumn semester

92625	Emergencies in Maternity Care	6cp
92628	Midwifery Practice 5: Working with Women	6cp

Spring semester

92633	Professional Practice	6cp
92629	Midwifery Practice 6: Transitions to Being a Midwife	6cp

Honours

The Bachelor of Midwifery (Honours) (C09051) (see page 122) is available to eligible students with an additional year of full-time study, or two years of part-time study.

Professional recognition

Provides eligibility to apply for registration as a midwife with the Nursing and Midwifery Board of Australia. See the faculty rules for more information.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C10226v4 Bachelor of Business

Award(s): Bachelor of Business (BBus)
CRICOS code: 063721A
Commonwealth-supported place?: No
Load credit points: 144
Course EFTSL: 3
Location: Shanghai University

Note(s)

This course is only offered offshore. It is available in Shanghai. The language of tuition is English.

Overview

The Bachelor of Business offers students a sound background in all areas of business through common core subjects, in addition to in-depth knowledge in one or more chosen areas of interest.

This course provides a basic understanding of important aspects of business with a choice of majors.

Course aims

The degree seeks to provide students with the knowledge, competencies and values necessary to develop critical, analytical and evaluative skills essential for a fulfilling and effective career in business.

Career options

Career options include careers in international business and management.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Applicants must have successfully completed the Insearch Diploma of Business, with no more than two subject failures in the course. Further information about admission requirements, including English language requirements, into the Insearch Diploma of Business is available from UTS:Insearch.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Assumed knowledge

Mathematics and any two units of English. Bridging courses are available.

Credit recognition

According to the agreement between Shanghai University (SU) and UTS, students from SU who meet both the English language requirement and the academic requirement can apply for the UTS Bachelor of Business and are given credit recognition for their studies at SU. These students are granted one-year credit or advanced standing to the second year of the UTS Bachelor of Business.

This advanced standing practice is the same as that for the Insearch UTS Diploma of Business Studies and Diploma of Business and Commerce delivered in Sydney.

Students who do not have the SILC diploma but who have appropriate academic and English language requirements may apply for advanced standing.

Course duration and attendance

The eight subjects taught by UTS are delivered in two teaching blocks with all the subjects completed in one year. The subjects are delivered in a lecture/tutorial format. During each 12-week block, UTS academics coordinate these subjects and provide face-to-face lectures in Shanghai.

The delivery pattern of these subjects may be modified from time-to-time and by mutual agreement.

Course structure

There are two majors for this course that are delivered by UTS at Shanghai University: the Management major and the International Business major.

The structure of the delivery mode in Shanghai University is:

- The first part (48 credit points) comprises the Insearch Diploma of Business Studies or the Insearch Diploma of Business and Commerce. This part is equivalent to the core or the first year of the UTS Bachelor of Business. This part is delivered in standard, full-time mode with semester-long subjects through SILC. On successful completion, students are granted one-year credit or advanced standing to the second year of the UTS Bachelor of Business.
- The second part of the UTS Bachelor of Business (48 credit points) comprises the Management major or the International Business major in the UTS Bachelor of Business. Academics from UTS teach eight subjects over two teaching blocks in one year. The subjects are delivered in Shanghai University using a lecture/tutorial format.
- The third part of the UTS Bachelor of Business comprises 48 credit-points of non-specified elective subjects taught by Shanghai University. These electives are drawn from a range of degree-level subjects offered in English by SU in standard full-time mode as semester long subjects. The subjects are accredited as part of the UTS Bachelor of Business in accordance with UTS' quality assurance policies and processes.

Course completion requirements

STM90850	Core subjects (Business)	48cp
CBK90812	Major choice	48cp
CBK90813	Year 3 (Business)	48cp
		Total 144cp

Levels of award

The Bachelor of Business may be awarded with distinction, credit or pass.

Transfer between UTS courses

The following study options are available to Shanghai University students who wish to transfer to study a full year of the course at UTS in Sydney.

- **Major (48 credit points)**: Students need to seek advice at the time of enrolment as to which major they are eligible to take based on their prior knowledge and the timetabling of subjects during their chosen semesters. Students who study the UTS Management major at Shanghai University are not allowed to undertake the Management major in Sydney.
- **Two sub-majors (24 credit points each) or one sub-major and four electives (24 credit points each)**: Students need to seek advice at the time of enrolment as to which sub-majors, electives and subjects they are eligible to take based on their prior knowledge and the timetabling of subjects during their chosen semesters.

Other information

The overall responsibility for all academic aspects of the Bachelor of Business degree at Shanghai University resides with the Director of China Business Courses, Associate Professor Kylie Redfern and the Dean of the Faculty of Business, Professor Roy Green. UTS staff works closely with senior staff from SILC and Shanghai University in relation to all aspects of the course through the dual degree management committee.

Associate Professor Kylie Redfern

telephone +61 2 9514 3917

email Kylie.Redfern@uts.edu.au

C10227v4 Bachelor of Environmental Forensics

Award(s): Bachelor of Environmental Forensics (BEnvFor)
UAC code: 607030 (Autumn semester, Spring semester)
CRICOS code: 053206C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course provides graduates with skills for careers in the new and fast-developing discipline of environmental forensics that is integral to the processes of environmental protection. It focuses on studies of living and non-living components of the environment and on the impacts of human use of environmental resources on the ecosystem.

The course has an interdisciplinary approach that allows students to gain skills and knowledge through theoretical and practice-based field and laboratory studies of ecology and environmental chemistry, and to understand the importance of investigatory scientific evidence in the legal and regulatory framework that governs the environmental protection process.

This cross-disciplinary course gives students the opportunity to combine studies of environmental biology, chemistry and law with a choice of further specialisations via a sub-major. It is attractive to students who are interested in the broad application of science to other disciplines without necessarily undertaking a combined degree.

Course aims

The course aims to produce professional environmental scientists with a solid scientific background in environmental protection, thereby enabling them to contribute to environmental management, policy and planning processes. Graduates gain scientific training and an understanding of the legal framework underlying environmental protection.

Career options

Career options include positions in both government and private industry and in environment protection and natural resource management as environmental analysts and consultants, environmental scientists and managers, policy advisers and planners. Students can also develop careers in teaching (in the secondary or TAFE sector, or as education officers) or in research (as research officers for organisations, universities or CSIRO).

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; any two units of English; and any two units of science.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

Students must complete a total of 144 credit points, made up of 120 credit points of core subjects and 24 credit points of elective subjects. The elective subjects enable students to increase their expertise in other areas of science or in other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects. Students must satisfactorily complete all core subjects and the required number of credit points of elective/sub-major subjects for award of the degree.

Industrial training/professional practice

Opportunities for practical experience exist through electives that provide experience in research or general scientific practice.

Course completion requirements

STM90680	Foundation stream (Life and Environmental Sciences)	48cp
STM90739	Core disciplinary subjects (Environmental Biology)	36cp
79004	Environmental Law and Science	6cp
79023	Environmental Forensic Law	6cp
91309	Biodiversity Conservation	6cp
91155	Stream and Lake Assessment	6cp
CBK90577	Sub-major/Electives (Environmental Science)	24cp
91159	Environmental Forensics	6cp
65621	Environmental Chemistry	6cp
		Total 144cp

Course program

Note: The subjects 79004 Environmental Law and Science and 79023 Environmental Forensic Law are only offered in odd-numbered years. The course program provided below is for students commencing Year 1 or Year 3 in an odd-numbered year, e.g. 2013.

Students entering Year 2 in an odd-numbered year, e.g. 2013, should choose 79004 Environmental Law and Science and 79023 Environmental Forensic Law in place of two of their Autumn and/or Spring semester electives. These students will then do the two electives instead of 79004 Environmental Law and Science and 79023 Environmental Forensic Law in Year 3.

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
79004	Environmental Law and Science	6cp

Spring semester

79023	Environmental Forensic Law	6cp
65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp
91121	Aquatic Ecology	6cp

Select 6 credit points of electives 6cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select 12 credit points of electives 12cp

Odd year intake

Year 1

Spring semester

65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
91161	Cell Biology and Genetics	6cp
91123	Biocomplexity	6cp

Year 2

Summer session

65212	Chemistry 2	6cp

Autumn semester

33116	Statistical Design and Analysis	6cp
91107	The Biosphere	6cp
68041	Physical Aspects of Nature	6cp
91154	Ecology	6cp

Spring semester

65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
79004	Environmental Law and Science	6cp
91121	Aquatic Ecology	6cp

Spring semester

79023	Environmental Forensic Law	6cp
91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp

Select 12 credit points of electives 12cp

Honours

Honours is available as an additional year to meritorious students.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10228v4 Bachelor of Marine Biology

Award(s): Bachelor of Marine Biology (BMarBiol)
UAC code: 607035 (Autumn semester, Spring semester)
CRICOS code: 079735G
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

This course focuses on how the marine environment works and how it can be better managed. This requires a thorough understanding of the way plants, animals and micro-organisms function in marine ecosystems (including estuarine, coastal, oceanic and coral reef ecosystems and Antarctica), as well as the skills required to detect and assess detrimental impacts on these marine environments resulting from anthropogenic sources and climate change.

The course has a strong practical and field-based focus. Students learn important concepts and skills through a combination of theory, laboratory and real-world experience via field trips to a range of marine environments.

Career options

Career options include positions in government departments such as fisheries, national parks and wildlife, state environmental protection authorities and other state departments such as infrastructure, natural resources and planning. Graduates are also employed by local coastal councils as environmental officers, in resource industries and consulting firms, as research officers with CSIRO and at universities, and as teachers at schools and TAFE colleges.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; any two units of English; and any two units of science.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

Students must complete a total of 144 credit points, made up of 120 credit points of core subjects and 24 credit points of elective subjects. The elective subjects enable students to increase their expertise in other areas of science or other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects.

Students must satisfactorily complete all core subjects and the required number of credit points of elective/second major subjects for award of the degree.

Course completion requirements

STM90680	Foundation stream (Life and Environmental Sciences)		48cp
STM90739	Core disciplinary subjects (Environmental Biology)		36cp
Select one of the following:			6cp
66513	Marine Geosciences	6cp	
91118	Fisheries Resources	6cp	
91126	Coral Reef Ecosystems		6cp
91156	Marine Productivity and Climate Change		6cp
91157	Marine Communities		6cp
CBK90577	Sub-major/Electives (Environmental Science)		24cp
91363	Animal Behaviour and Physiology		6cp
91270	Plant Physiology and Ecophysiology		6cp
			Total 144cp

Course program

A typical course program is shown below.

Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
Select 6 credit points of electives		6cp

Spring semester

91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
91157	Marine Communities	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

91120	GIS and Remote Sensing		6cp
Select one of the following:			6cp
91118	Fisheries Resources	6cp	
66513	Marine Geosciences	6cp	
91121	Aquatic Ecology		6cp
Select 6 credit points of electives			6cp

July session

91126	Coral Reef Ecosystems	6cp

Spring semester

91145	Environmental Protection and Management	6cp
91156	Marine Productivity and Climate Change	6cp
Select 6 credit points of electives		6cp

Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91123	Biocomplexity	6cp
68041	Physical Aspects of Nature	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp
91154	Ecology	6cp

Spring semester

65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91363	Animal Behaviour and Physiology	6cp
91157	Marine Communities	6cp

Year 3

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91121	Aquatic Ecology	6cp
Select 6 credit points of electives		6cp

July session

91126	Coral Reef Ecosystems	6cp

Spring semester

91145	Environmental Protection and Management	6cp
91156	Marine Productivity and Climate Change	6cp
91270	Plant Physiology and Ecophysiology	6cp

Year 4

Autumn semester

91120	GIS and Remote Sensing		6cp
Select one of the following:			6cp
91118	Fisheries Resources	6cp	
66513	Marine Geosciences	6cp	
Select 12 credit points of electives			12cp

Honours

Honours is available as an additional year to meritorious students.

Professional recognition

Australian Marine Science Association

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10229v3 Bachelor of Science in Games Development

Award(s): Bachelor of Science in Games Development (BSc)
UAC code: 603225 (Autumn semester)
CRICOS code: 057197M
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course offers a sound education in all aspects of information technology and develops the diverse skills necessary for a career in computer games development.

Students gain enhanced work-ready expertise in games development; practical problem-solving skills based on leading-edge IT theory; communication skills in a variety of forms including written, verbal, online and technical literacies; and an awareness of the principles of ethics and corporate governance in a variety of settings.

Course aims

This course aims to produce graduates who are able to:

- apply core technical skills to problem analysis and decision-making in computer games development
- collaborate and be creative within a professional environment through the application of technical, problem-solving and teamwork skills
- communicate effectively in a variety of forms across diverse business and technical environments
- apply ethical, legal and political considerations to technological issues as socially responsible professionals
- demonstrate a capacity to take a leadership role in technical and business situations, and
- be proactive and reflective learners in relation to knowledge, skills, experience and career direction.

Career options

Career options include computer animation/graphics specialist, and computer games developer, systems analyst, analyst/programmer, IT project manager, software developer, software engineer or web developer.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers are advised to complete the employment question on their UAC application and provide supporting statements of employment to UAC as bonus points may be awarded on the basis of relevant work experience.

Applicants who have successfully completed 19050 Diploma of Information Technology (Games Development) or the Digital and Interactive Games Diplomas now offered by TAFE NSW may be eligible for credit towards this course.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Both school leavers and non-current school leavers may apply through UAC for this course. This course does not have an intake commencing in Spring semester.

Assumed knowledge

Mathematics and any two units of English.

HSC Mathematics Extension 1 and English Advanced are recommended.

External articulation

Students who have completed the Diploma of Information Technology (Games Development) (19050) at TAFE NSW receive an exemption from three core subjects (31266, 48023, 48024) and 30 credit points of advanced standing, totalling 48 credit points of credit recognition.

Credit recognition

In addition to the external articulation with TAFE NSW, students who have previously undertaken other study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

The prior study must have been completed before commencement of this course, but no earlier than three years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. TAFE IT diplomas and advanced diplomas completed within three years of enrolment may be granted some credit recognition. For further details see:

www.uts.edu.au/future-students/information-technology/it-undergraduate/it-undergraduate-credit-recognition

There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of the these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course duration and attendance

The course can be completed in three years of full-time or six years of part-time study. For students who receive the 48 credit points in credit recognition, the course can be completed in two years of full-time or four years of part-time study. A significant number of subjects are offered in the evening but some daytime attendance is required for part-time students.

Course structure

Students are required to complete 144 credit points, comprising 48 credit points of IT core subjects, 48 credit points of games development core subjects, and 48 credit points of elective subjects. Eligible students who receive 48 credit points of credit recognition complete a total of 96 credit points of academic study.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Industrial training/professional practice

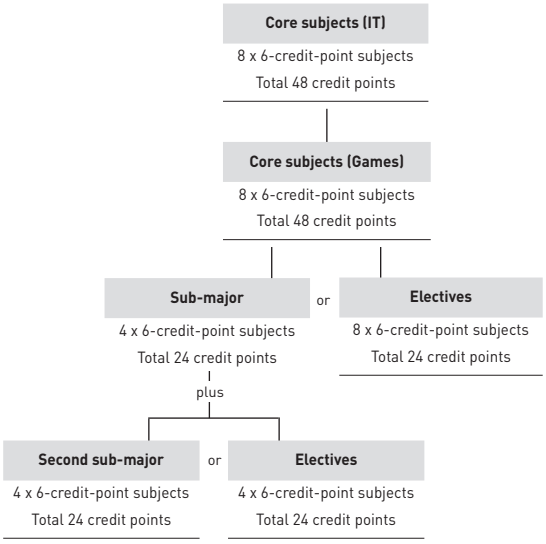
Industrial training is available as an additional year and students enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) once they have secured suitable full-time employment. This incorporates a minimum of nine months full-time work experience with four supporting subjects at UTS.

Course completion requirements

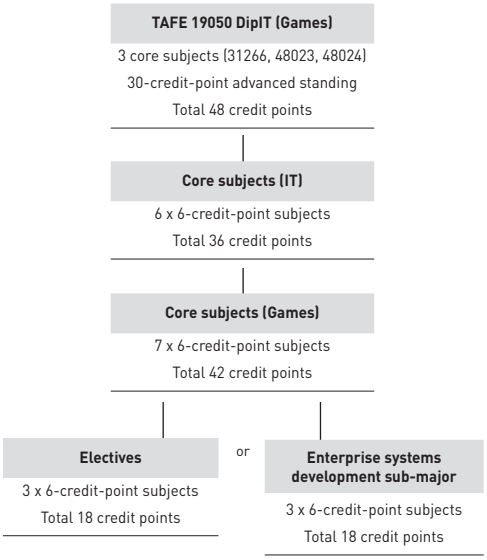
STM90651	Core subjects (Information Technology)	48cp
STM90726	Core subjects (Games Development)	48cp
CBK90413	Two sub-majors/Electives	48cp
		Total 144cp

Course diagram

Direct entry



TAFE articulation entry



Course program

Example programs are shown below for direct entry and TAFE NSW articulation entry.

Note: Subjects listed as options are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Direct entry

Year 1

Autumn semester

31268	Web Systems	6cp
31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp

Spring semester

31269	Business Requirements Modelling	6cp
48024	Applications Programming	6cp
31270	Networking Essentials	6cp
31080	Digital Multimedia	6cp

Year 2

Autumn semester

31264	Introduction to Computer Graphics	6cp
31271	Database Fundamentals	6cp
31262	Introduction to Computer Game Design	6cp

Select 6 credit points of electives 6cp

Spring semester

Select one subject from the following: 6cp

31249	Computer Graphics Rendering Techniques	6cp
31263	Introduction to Computer Game Programming	6cp
31104	Programming for Special Effects	6cp

Select 18 credit points of electives 18cp

Year 3

Autumn semester

31272	Project Management and the Professional	6cp
31102	Game Design Studio 1	6cp

Select one subject from the following: 6cp

31241	3D Computer Animation	6cp
31251	Data Structures and Algorithms	6cp
31777	Human-Computer Interaction	6cp

Select 6 credit points of electives 6cp

Spring semester

31103	Game Design Studio 2	6cp

Select 18 credit points of electives 18cp

TAFE NSW articulation

Year 1

Autumn semester

31262	Introduction to Computer Game Design	6cp
31264	Introduction to Computer Graphics	6cp
31265	Communication for IT Professionals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
31271	Database Fundamentals	6cp
31080	Digital Multimedia	6cp

Year 2

Autumn semester

31272	Project Management and the Professional	6cp
31102	Game Design Studio 1	6cp

Select one subject from the following: 6cp

31241	3D Computer Animation	6cp
31251	Data Structures and Algorithms	6cp
31777	Human-Computer Interaction	6cp

Select 6 credit points of electives 6cp

Spring semester

31103	Game Design Studio 2	6cp

Select one subject from the following: 6cp

31249	Computer Graphics Rendering Techniques	6cp
31263	Introduction to Computer Game Programming	6cp
31104	Programming for Special Effects	6cp

Select 12 credit points of electives 12cp

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114). The honours year is also available on a part-time basis over two years.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10235v2 Bachelor of Accounting

Award(s): Bachelor of Accounting (BAcc)
UAC code: 601010 (Autumn semester)
Commonwealth-supported place?: Yes
Load credit points: 150
Course EFTSL: 3.125
Location: City campus

Note(s)

This course is only offered to local students.

This is a scholarship degree intended for recent school leavers. Students can only add this course to their preferences until 25 October 2013.

This course is not offered to international students.

Overview

The Bachelor of Accounting is a cooperative education program in accounting. It is an intensive course offered in conjunction with major employers. Students complete a compulsory first major in accounting and receive a scholarship and full-time work training.

This course is a specialist degree for high-achieving students who view an accounting career as an excellent foundation for future business leadership. All students in the course receive a $46,500 scholarship over the three years, a year of full-time industry experience and are encouraged to complete a second major or sub-major in another business discipline. Historically, it has a graduate employment rate greater than 95 per cent.

Career options

Career options include accountant, auditor, business analyst, investment manager, management accountant, taxation adviser. Experienced accountants are highly sought after in all industries as well as government and not-for-profit organisations.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

This is an intensive scholarship course for current school leavers. Special application and selection procedures apply, including an early closing date for applications. Full details on application and selection is available from the Bachelor of Accounting website at:

www.uts.edu.au/future-students/business/business-study-areas/accounting/bachelor-accounting

Eligibility for admission does not guarantee offer of a place.

Assumed knowledge

Mathematics and any two units of English.

Course duration and attendance

The course is completed in three years of full-time study, which includes two separate half years of full-time work training. Some subjects are fast-tracked over Summer session, while others are taken part-time during full-time work training, to allow completion of the degree within three years.

Course structure

The course comprises 150 credit points. All students must complete nine foundation core subjects and a compulsory accounting major, and choose from a second major, two sub-majors, or a sub-major plus four electives. Electives or structured elective sequences (totalling 24 credit points) can be taken from any faculty in the University, or from another university or its equivalent, with faculty approval.

Industrial training/professional practice

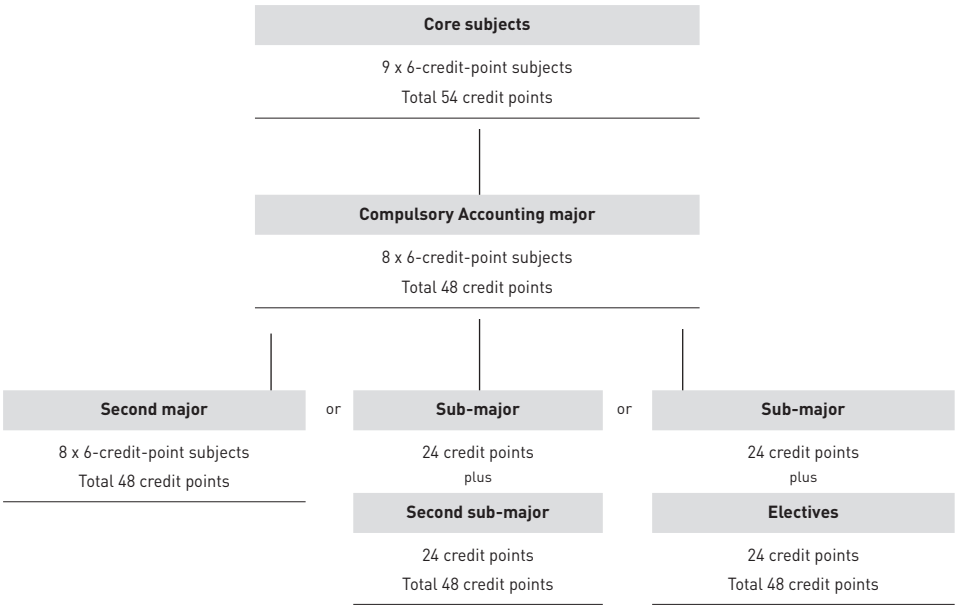
This course includes two, full-time, six-month industry internships, with two different sponsoring employers.

The first internship is in the second half of the first year of the course; the second internship is in the first half of the third year of the course. Students are not paid by the sponsoring employer during these internships, but continue to receive their scholarship.

Course completion requirements

CBK90186	Major/Two sub-majors/Sub-major + four electives	48cp
MAJ08437	Accounting	48cp
STM90285	Core subjects (Accounting)	54cp
		Total 150cp

Course diagram



Course program

A typical program is shown below, followed by the lists of available second majors and sub-majors.

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
22207	Accounting for Business Decisions B	6cp
22605	Accounting Information Systems	6cp
25300	Fundamentals of Business Finance	6cp
23115	Economics for Business	6cp
26100	Integrating Business Perspectives	6cp
26134	Business Statistics	6cp

Spring semester

22157	Australian Corporate Environment	6cp
24108	Marketing Foundations	6cp

Year 2

Autumn semester

22321	Cost Management Systems	6cp
22421	Management Decisions and Control	6cp
79017	Taxation Law	6cp
Select 12 credit points of electives		12cp

Spring semester

79014	Applied Company Law	6cp
22320	Accounting for Business Combinations	6cp
22420	Accounting Standards and Regulations	6cp
Select 12 credit points of electives		12cp

Year 3

Autumn semester

22522	Assurance Services and Audit	6cp
22319	Financial Statement Analysis (Capstone)	6cp

Spring semester

Select 24 credit points of electives		24cp

List of majors

MAJ02041	Information Technology	48cp
MAJ08068	Financial Services	48cp
MAJ08438	Management	48cp
MAJ08440	Finance	48cp
MAJ08441	Marketing	48cp
MAJ08442	International Business	48cp
MAJ08443	Tourism Management	48cp
MAJ08445	Sport Management	48cp
MAJ08446	Human Resource Management	48cp
MAJ08116	Marketing Communication	48cp
MAJ09401	Business Law	48cp
MAJ09209	Economics	48cp

List of sub-majors

SMJ01025	Quantitative Management	24cp
SMJ01007	Mathematics	24cp
SMJ01009	Statistics	24cp
SMJ02036	Business Information Systems	24cp
SMJ08116	Financial Reporting	24cp
SMJ08117	International Accounting	24cp
SMJ08120	Small Business Accounting	24cp
SMJ08109	Management Consulting	24cp
SMJ08123	Finance	24cp
SMJ08126	Sport Management	24cp
SMJ08127	Tourism Management	24cp
SMJ08128	Human Resource Management	24cp
SMJ08129	International Management	24cp
SMJ08130	Management	24cp
SMJ08137	Advertising	24cp
SMJ08138	Marketing	24cp
SMJ08139	International Business Studies	24cp
SMJ08141	Human Resource Development	24cp
SMJ09028	Economics	24cp
SMJ09030	Business Law	24cp
SMJ08131	Advanced Advertising	24cp
SMJ09033	Taxation Law	24cp
SMJ09034	International Studies	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08195	Management Reporting	24cp
SMJ02037	Information Technology	24cp
SMJ09035	Language other than English	24cp
SMJ08132	Marketing Research	24cp
SMJ09058	Econometrics	24cp
SMJ08203	Event Management	24cp
SMJ08204	Strategic Marketing	24cp
SMJ08211	Public Relations	24cp
SMJ08214	Financial Planning	24cp

Levels of award

The Bachelor of Accounting may be awarded with distinction, credit or pass.

Honours

A Bachelor of Business (Honours) (C09004) (see page 111) is available. This is offered on a one-year, full-time basis.

Professional recognition

Students successfully completing the Bachelor of Accounting satisfy the educational requirements for undergraduate membership of CPA Australia, the Institute of Chartered Accountants in Australia and Institute of Public Accountants.

Other information

Further information is available from:

www.uts.edu.au/future-students/business/business-study-areas/accounting/bachelor-accounting

or contact:

Office of Cooperative Education

School of Accounting

telephone +61 2 9514 3579

C10239v1 Bachelor of Science in Information Technology Bachelor of Arts in International Studies

Award(s): Bachelor of Science in Information Technology (BSc)
Bachelor of Arts in International Studies (BA)
UAC code: 609230 (Autumn semester)
CRICOS code: 059726G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course integrates a professional degree in information technology with a major in another country or culture and its language, enhancing professional training and career options.

The information technology component provides a sound education in all aspects of computing and information technology for a career in the profession.

The international studies component offers an in-depth understanding of another culture through academic and experiential learning.

Students must choose one IT major in business information systems management, enterprise systems development, internetworking and applications, or computer and data analytics.

Students also choose a country major for their language and culture studies.

The course adopts a practice-based approach to IT education and the course content is designed with a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in business analysis, problem solving, teamwork and communication. Employers look for graduates with industry experience and, in this course, students are exposed to real IT problems.

The international studies component of this course means that graduates have the added advantage of being well prepared to work in a diverse range of IT careers and companies overseas.

Course aims

The course aims to produce graduates who are able to apply, in the context of any organisation, the knowledge and skills required of:

- information systems professionals in business units who integrate packaged systems rather than develop systems from first principles
- information technology professionals who develop systems from first principles

- network specialists who build, maintain and administer complex network systems, or
- computing specialists for technical research careers.

The course also aims to:

- provide sufficient language skills to live and work in another culture, and
- encourage understanding and appreciation of, and sensitivity towards, diverse cultural perspectives, practices, needs and values, in international and local contexts.

Career options

Career options include business analyst, network engineer, network specialist, software developer, software engineer or web developer. Graduates of this course are in high demand with technology companies and industries that use IT such as banking, construction, energy, finance, government, manufacturing, retail and transport. Options are enhanced by international experience, making students more marketable to prospective employers, including multinational companies.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission requirements are the same as the Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice (C10152) (see page 199).

There are no prior language requirements for the international studies program. Entry level to the various language and culture programs depends upon students' prior knowledge of the relevant language. Students are admitted to the international studies program with no guarantee of entry to a specific country major, although every effort is made to meet their preferences.

Non-current school leavers are advised to complete the employment question on their UAC application and provide supporting statements of employment to UAC as bonus points may be awarded on the basis of relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

For the information technology component, mathematics and any two units of English. There are no prior language requirements for the international studies program (see page 90).

Mathematics Extension 1 and English Advanced are recommended.

External articulation

Students who gain entry through the UTS INSEARCH pathway are eligible for 48 credit points of credit recognition.

Students who have completed a relevant diploma at TAFE NSW may be eligible for at least 24 credit points of credit recognition. Details are available from the Building 10 Student Centre.

Credit recognition

Information technology component: Students who have previously undertaken study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

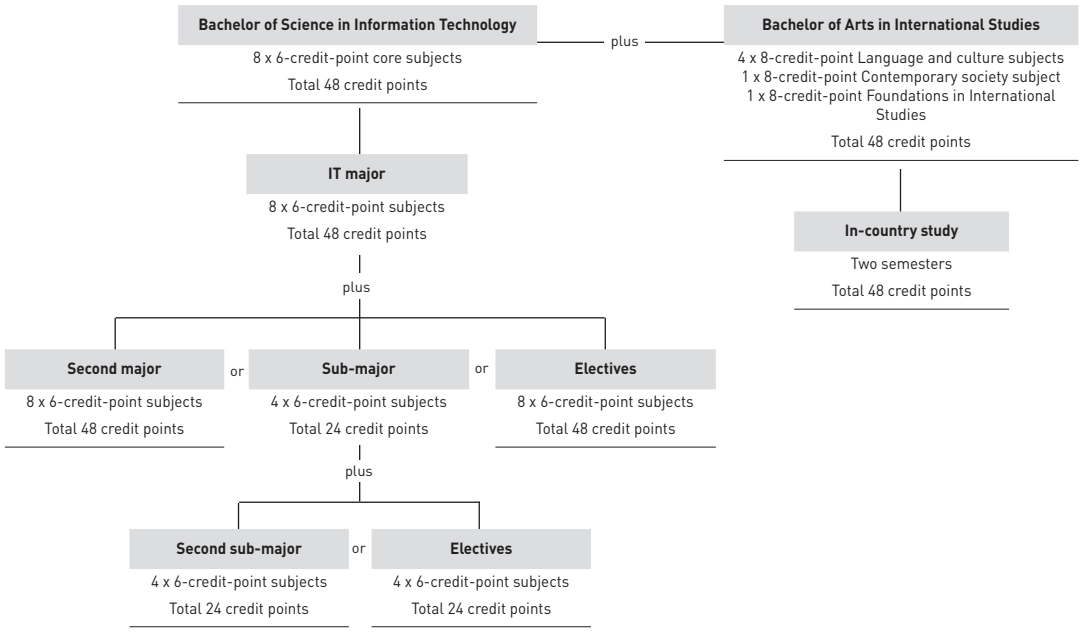
The prior study must have been completed before commencement of this course, but no earlier than three years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. TAFE IT diplomas and advanced diplomas completed within three years of enrolment may be granted some credit recognition. For further details see:

http://www.uts.edu.au/future-students/information-technology/essential-information/it-undergraduate-credit-recognition

There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of the these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course diagram



Course duration and attendance

The course is of five years' duration. Students spend two semesters of study at a university or other higher education institution in the country of their major. Students may undertake an extra year with the Diploma in Information Technology Professional Practice (C20049) (see page 350).

Course structure

Students are required to complete 240 credit points, comprising 96 credit points in information technology, 96 credit points in international studies and 48 credit points of electives. The 48 credit points of electives can be a combination of a second IT major, or two sub-majors, or one sub-major and four electives, or eight electives. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Industrial training is available as an additional year and students enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) once they have secured suitable full-time employment. This incorporates a minimum of nine months full-time work experience with four supporting subjects at UTS. After completing Year 4 (in-country study), students have the option to undertake the Diploma in Information Technology Professional Practice.

Course completion requirements

CBK90005	Country major choice	96cp
CBK90781	Major choice (Information Technology)	48cp
CBK90782	Major/Two sub-majors/Electives	48cp
STM90651	Core subjects (Information Technology)	48cp
		Total 240cp

Course program

An example program is shown below for a student choosing the Germany major for the Bachelor of Arts in International Studies. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

A list of the IT majors and IT sub-majors available to students in this course are shown in CBK90782. All students are required to complete one IT major from CBK90781.

In the program shown below, in semesters that include electives, students may choose a second major, two sub-majors (IT or other faculty), one sub-major and four electives, or eight electives.

Note: Subjects listed as electives and IT major subjects are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

31271	Database Fundamentals	6cp
97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
Select 6 credit points of options		6cp

Spring semester

97602	German Language and Culture 2	8cp
Select 12 credit points of options		12cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
Select 12 credit points of options		12cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

31272	Project Management and the Professional	6cp
Select 18 credit points of electives		18cp

Spring semester

Select 6 credit points of options		6cp
Select 18 credit points of electives		18cp

Levels of award

The Bachelor of Science in Information Technology may be awarded with a distinction, credit or pass.

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114). The honours year is also available on a part-time basis over two years.

Transfer between UTS courses

Students in the Bachelor of Science in Information Technology (C10148) (see page 197) can apply to transfer into this course after completing the first year of their current course. Applications are assessed by UTS: Information Technology and UTS: International Studies. Students in this combined degree may apply to transfer to the single degree, Bachelor of Science in Information Technology.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10242v1 Bachelor of Science

Award(s): Bachelor of Science in (name of Science major) (BSc)
UAC code: 607001 (Flexible, no specified major) (Autumn semester, Spring semester), 607003 (Mathematics/Statistics) (Autumn semester, Spring semester), 607005 (Applied Chemistry) (Autumn semester, Spring semester), 607007 (Nanotechnology) (Autumn semester, Spring semester), 607009 (Applied Physics) (Autumn semester, Spring semester), 607011 (Environmental Biology/Environmental Forensics/Marine Biology) (Autumn semester, Spring semester), 607015 (Biotechnology/Medical Science/Biomedical Science) (Autumn semester, Spring semester)
CRICOS code: 040705B
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

Students may follow any of 15 different specialised programs leading to the award of a degree naming the chosen discipline, e.g. Bachelor of Science in Applied Physics, or Medical Science, or any of the other specialised disciplines available. Majors are chosen at the end of first year when students have experienced a range of disciplines and are more equipped to choose their preferred path. Students may also choose not to follow a major, but to select a range of second and third year subjects to tailor their study according to their interests and graduate with a cross-disciplinary science degree.

The flexibility of this course allows students to either specialise in a specific professional area or to develop skills and knowledge in a range of scientific disciplines. All majors aim to produce professional scientists with a thorough grounding in theory and highly adaptable and practical scientific, experimental and computational skills relevant to the discipline chosen.

Career options

Graduates are highly versatile as they can work in almost any industry such as biotechnology, biomedical science, medical science, marine biology, environmental management and forensics, mathematics, statistical modelling, applied chemistry, applied physics, nanotechnology and material science. Graduates could be employed to analyse traffic flow, calculate the optimum distribution of branches for major banks, set rates of insurance premiums, analyse the consumer demand for products, be part of a medical team working on groundbreaking research, determine the effectiveness of new drugs, evaluate the environmental impact of pollution or provide advice on the stock market.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; any two units of English.

At least two units of science relevant to the individual discipline chosen is recommended; HSC Mathematics Extension 1 is recommended for those majoring in mathematics/statistics.

Course duration and attendance

Students can complete the course in three years of full-time study. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

Students must complete a total of 144 credit points to graduate. Subjects offered by the University have been classified as introductory (normally taken in stages 1 and 2), intermediate (stages 3 and 4) and advanced (stages 5 and 6 or later). In the Bachelor of Science, students are required to complete one of three introductory foundation streams (mathematical sciences, physical sciences, life and environmental sciences). Upon the successful completion of first year, they may choose one of the majors that follow from that stream. The chosen major specifies a series of intermediate and advanced subjects that, if taken, result in award of a Bachelor of Science in that major.

Alternatively, students may choose not to take a specific major but a flexible mix of subjects of interest and graduate with a Bachelor of Science degree without a specified major. If so, they must complete 36 credit points of intermediate and 36 credit points of advanced science subjects. In doing so, students must ensure that they have completed the required prerequisite subjects at each stage. It cannot be guaranteed that all subjects that students in a flexible program wish to take together can be timetabled without clashes and so students need to check timetable constraints before final subject choice each semester.

The Bachelor of Science also contains 24 credit points of free elective subjects that enable students to increase their expertise in other areas of science or other disciplines in the University. This can be in the form of a specialised 24-credit-point sub-major or by a varied selection of subjects.

Students must satisfactorily complete 120 credit points of specified major or flexible science subjects and, in addition, 24 credit points of elective/sub-major subjects for award of the degree.

Course completion requirements

CBK90653	Stream choice	144cp
		Total 144cp

Course program

The majors available and the course programs for each major are shown below.

Note: In the Environmental Forensics major the subjects 79004 Environmental Law and Science and 79023 Environmental Forensic Law are only offered in odd-numbered years. The course program provided below is for students commencing Year 1 or Year 3 in an odd-numbered year, e.g. 2013.

Students entering Year 2 in an odd-numbered year, e.g. 2013, should choose 79004 Environmental Law and Science and 79023 Environmental Forensic Law in place of two of their Autumn and/or Spring semester electives. These students then do the two electives instead of 79004 Environmental Law and Science and 79023 Environmental Forensic Law in Year 3.

List of majors

MAJ01100	Applied Chemistry	96cp
MAJ01101	Applied Physics	96cp
MAJ01103	Biotechnology	96cp
MAJ01104	Biomedical Science	96cp
MAJ01106	Environmental Biology	96cp
MAJ01108	Environmental Forensics	96cp
MAJ01107	Marine Biology	96cp
MAJ01110	Mathematics	96cp
MAJ01105	Medical Science	96cp
MAJ01102	Nanotechnology	96cp
MAJ01111	Statistics	96cp
MAJ01126	Environmental Sciences	96cp
MAJ01127	Medical and Molecular Biosciences	96cp
MAJ01128	Physics and Advanced Materials	96cp
MAJ01129	Chemical Science	96cp
STM90694	No specified major (Life and Environmental Sciences)	96cp
STM90697	No specified major (Physical Sciences)	96cp

Applied Chemistry major, Autumn commencing

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp

Select 6 credit points from the following options: 6cp

91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp
68070	Introduction to Materials	6cp
68201	Physics in Action	6cp

Year 2

Autumn semester

65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65307	Physical Chemistry 1	6cp

Select 6 credit points of electives 6cp

Spring semester

65508	Organic Chemistry 2	6cp
65411	Inorganic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp

Select 6 credit points of electives 6cp

Spring semester

65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
67510	Surface Processes	6cp

Select 6 credit points of electives 6cp

Applied Chemistry major, Spring commencing

Year 1

Spring semester

35101	Introduction to Linear Dynamical Systems	6cp
65111	Chemistry 1	6cp
68037	Physical Modelling	6cp
68070	Introduction to Materials	6cp

Year 2

Summer session

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp

Autumn semester

65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65307	Physical Chemistry 1	6cp

Select 6 credit points from the following options: 6cp

91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp

Spring semester

68201	Physics in Action	6cp
65508	Organic Chemistry 2	6cp
65306	Analytical Chemistry 1	6cp
65411	Inorganic Chemistry 1	6cp

Year 3

Autumn semester

65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp

Select 6 credit points of electives 6cp

Spring semester

65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
67510	Surface Processes	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

Select 12 credit points of electives 12cp

Applied Physics major, Autumn commencing

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp

Select 6 credit points from the following options: 6cp

91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp

Spring semester

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp
68070	Introduction to Materials	6cp
68201	Physics in Action	6cp

Year 2

Autumn semester

68075	Nanomaterials	6cp
68412	Energy Science and Technology	6cp
33360	Mathematics for Physical Science	6cp

Select 6 credit points of electives 6cp

Spring semester

68414	Advanced Mechanics	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68416	Computational Physics	6cp

Select 6 credit points of electives 6cp

Spring semester

68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp

Select 6 credit points of electives 6cp

Applied Physics major, Spring commencing

Year 1

Spring semester

35101	Introduction to Linear Dynamical Systems	6cp
65111	Chemistry 1	6cp
68041	Physical Aspects of Nature	6cp
68070	Introduction to Materials	6cp

Year 2

Summer session

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp

Autumn semester

33360	Mathematics for Physical Science	6cp
68037	Physical Modelling	6cp
68412	Energy Science and Technology	6cp
68075	Nanomaterials	6cp

Spring semester

68414	Advanced Mechanics	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68416	Computational Physics	6cp

Select 6 credit points of electives 6cp

Spring semester

68415	Measurement and Analysis of Physical Processes		6cp
68513	Optics and Nanophotonics		6cp
68320	Scanning Probe and Electron Microscopy		6cp
Select 6 credit points of electives			6cp

Year 4

Autumn semester

Select 6 credit points from the following options:			6cp
91107	The Biosphere	6cp	
91161	Cell Biology and Genetics	6cp	
Select 6 credit points of electives			6cp

Biomedical Science major, Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91500	Histology	6cp
CBK90579	Elective 1	6cp

Spring semester

91132	Molecular Biology 1	6cp
CBK90580	Elective 2	6cp

Select 12 credit points from the following options:			12cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

CBK90581	Elective 3	6cp

Select 18 credit points from the following options:			18cp
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	

Spring semester

CBK90582	Elective 4	6cp

Select 18 credit points from the following options:			18cp
91129	Transfusion Science	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91402	Anatomical Pathology	6cp	

Biomedical Science major, Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
91161	Cell Biology and Genetics	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

65212	Chemistry 2	6cp

Autumn semester

33116	Statistical Design and Analysis	6cp
91107	The Biosphere	6cp
91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

91132	Molecular Biology 1	6cp
91123	Biocomplexity	6cp

Select 12 credit points from the following options:			12cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

91500	Histology	6cp
CBK90579	Elective 1	6cp

Select 12 credit points from the following options:			12cp
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	

Spring semester

CBK90580	Elective 2	6cp

Select 18 credit points from the following options:			18cp
91129	Transfusion Science	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91402	Anatomical Pathology	6cp	

Year 4

Autumn semester

CBK90581	Elective 3	6cp
CBK90582	Elective 4	6cp

Select 6 credit points from the following options:			6cp
91335	Molecular Biology 2	6cp	
91338	Clinical Bacteriology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91358	Advanced Haematology	6cp	
91359	Advanced Immunology	6cp	

Biotechnology major, Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91142	Biotechnology	6cp
CBK90579	Elective 1	6cp

Spring semester

91132	Molecular Biology 1	6cp
CBK90580	Elective 2	6cp

Select 12 credit points from the following options:			12cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

91335	Molecular Biology 2	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91359	Advanced Immunology	6cp
CBK90581	Elective 3	6cp

Spring semester

91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
CBK90582	Elective 4	6cp

Select 6 credit points from the following options: 6cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp

Biotechnology major, Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
91161	Cell Biology and Genetics	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

65212	Chemistry 2	6cp

Autumn semester

33116	Statistical Design and Analysis	6cp
91107	The Biosphere	6cp
91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp

Spring semester

91132	Molecular Biology 1	6cp
91123	Biocomplexity	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

91142	Biotechnology	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
CBK90579	Elective 1	6cp

Spring semester

91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
CBK90580	Elective 2	6cp

Select 6 credit points from the following options: 6cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp

Year 4

Autumn semester

91369	Biobusiness and Environmental Biotechnology	6cp
CBK90581	Elective 3	6cp
CBK90582	Elective 4	6cp

Environmental Biology major, Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Select 6 credit points of electives 6cp

Spring semester

91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp

Select 12 credit points of electives 12cp

Year 3

Autumn semester

91120	GIS and Remote Sensing	6cp
91116	Wildlife Ecology	6cp
91121	Aquatic Ecology	6cp
91309	Biodiversity Conservation	6cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select one of the following: 6cp

91371	Forest and Mountain Ecology	6cp
91370	Semi-arid Ecology	6cp
91163	Alpine and Lowland Ecology	6cp

Select 6 credit points of electives 6cp

Environmental Biology major, Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91123	Biocomplexity	6cp
68041	Physical Aspects of Nature	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp
91154	Ecology	6cp

Spring semester

65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp

Year 3

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91121	Aquatic Ecology	6cp
91116	Wildlife Ecology	6cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select 6 credit points from the following options: 6cp

91371	Forest and Mountain Ecology	6cp
91370	Semi-arid Ecology	6cp
91163	Alpine and Lowland Ecology	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp

Select 12 credit points of electives 12cp

Environmental Forensics major

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
79004	Environmental Law and Science	6cp

Spring semester

65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp
79023	Environmental Forensic Law	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp
91121	Aquatic Ecology	6cp

Select 6 credit points of electives 6cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select 12 credit points of electives 12cp

Environmental Forensics major, odd year intake

Year 1

Spring semester

65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
91161	Cell Biology and Genetics	6cp
91123	Biocomplexity	6cp

Year 2

Summer session

65212	Chemistry 2	6cp

Autumn semester

33116	Statistical Design and Analysis	6cp
91107	The Biosphere	6cp
68041	Physical Aspects of Nature	6cp
91154	Ecology	6cp

Spring semester

65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
79004	Environmental Law and Science	6cp
91121	Aquatic Ecology	6cp

Spring semester

79023	Environmental Forensic Law	6cp
91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp

Select 12 credit points of electives 12cp

Marine Biology major, Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Select 6 credit points of electives 6cp

Spring semester

91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
91157	Marine Communities	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp

Select one of the following: 6cp

91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp

Select 6 credit points of electives 6cp

July session

91126	Coral Reef Ecosystems	6cp

Spring semester

91145	Environmental Protection and Management	6cp
91156	Marine Productivity and Climate Change	6cp

Select 6 credit points of electives 6cp

Marine Biology major, Spring commencing

Year 1

Spring semester

65111	Chemistry 1	6cp
91123	Biocomplexity	6cp
68041	Physical Aspects of Nature	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp
91154	Ecology	6cp

Spring semester

65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91363	Animal Behaviour and Physiology	6cp
91157	Marine Communities	6cp

Year 3

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91121	Aquatic Ecology	6cp

Select 6 credit points of electives 6cp

July session

91126	Coral Reef Ecosystems	6cp

Spring semester

91145	Environmental Protection and Management	6cp
91156	Marine Productivity and Climate Change	6cp
91270	Plant Physiology and Ecophysiology	6cp

Year 4

Autumn semester

91120	GIS and Remote Sensing	6cp

Select 6 credit points from the following options: 6cp

91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp

Select 12 credit points of electives 12cp

Mathematics major, Autumn commencing

Year 1

Autumn semester

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp

Year 2

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp

Select 6 credit points of electives 6cp

Spring semester

35231	Differential Equations	6cp
35353	Regression Analysis	6cp

Select 6 credit points from the following options: 6cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35355	Quality Control	6cp
35393	Seminar (Statistics)	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

35232	Advanced Calculus	6cp

Select 12 credit points from the following options: 12cp

35340	Quantitative Management Practice	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp

Select 6 credit points of electives 6cp

Spring semester

Select 18 credit points from the following options: 18cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35355	Quality Control	6cp
35393	Seminar (Statistics)	6cp

Select 6 credit points of electives 6cp

Mathematics major, Spring commencing

Year 1

Spring semester

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
35111	Applications of Discrete Mathematics	6cp

Year 2

Summer session

35102	Introduction to Analysis and Multivariable Calculus	6cp

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
CBK90796	Foundation subject choice A	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35231	Differential Equations	6cp
35353	Regression Analysis	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

35232	Advanced Calculus	6cp
CBK90797	Foundation subject choice B	6cp

Select 12 credit points from the following options: 12cp

35340	Quantitative Management Practice	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp

Spring semester

Select 18 credit points from the following options: 18cp

35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35355	Quality Control	6cp
35393	Seminar (Statistics)	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

Select 6 credit points from the following options: 6cp

35340	Quantitative Management Practice	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp

Select 12 credit points of electives 12cp

Medical Science major, Autumn commencing

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91703	Physiological Systems	6cp
CBK90579	Elective 1	6cp

Spring semester

91132	Molecular Biology 1		6cp
91239	Human Pathophysiology		6cp
Select 12 credit points from the following options:			12cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

91707	Pharmacology 1		6cp
91706	Neuroscience		6cp
Select 12 credit points from the following options:			12cp
91403	Medical Imaging	6cp	
CBK90580	Elective 2	6cp	
CBK90581	Elective 3	6cp	

Spring semester

91705	Medical Devices and Diagnostics		6cp
91709	Pharmacology 2		6cp
91708	Medical and Applied Physiology		6cp
CBK90582	Elective 4		6cp

Medical Science major, Spring commencing

Year 1

Spring semester

65111	Chemistry 1		6cp
91400	Human Anatomy and Physiology		6cp
91161	Cell Biology and Genetics		6cp
91123	Biocomplexity		6cp

Year 2

Summer session

65212	Chemistry 2		6cp

Autumn semester

33116	Statistical Design and Analysis		6cp
91107	The Biosphere		6cp
91314	General Microbiology		6cp
91703	Physiological Systems		6cp

Spring semester

91132	Molecular Biology 1		6cp
91239	Human Pathophysiology		6cp
Select 12 credit points from the following options:			12cp
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	
91326	Analytical Biochemistry	6cp	

Year 3

Autumn semester

91707	Pharmacology 1		6cp
91706	Neuroscience		6cp
91320	Metabolic Biochemistry		6cp
68041	Physical Aspects of Nature		6cp

Spring semester

91709	Pharmacology 2		6cp
91705	Medical Devices and Diagnostics		6cp
91708	Medical and Applied Physiology		6cp
CBK90579	Elective 1		6cp

Year 4

Autumn semester

Select 18 credit points from the following options:			18cp
91403	Medical Imaging	6cp	
CBK90580	Elective 2	6cp	
CBK90581	Elective 3	6cp	
CBK90582	Elective 4	6cp	

Nanotechnology major, Autumn commencing

Year 1

Autumn semester

33190	Mathematical Modelling for Science		6cp
65111	Chemistry 1		6cp
68101	Foundations of Physics		6cp
Select 6 credit points from the following options:			6cp
91161	Cell Biology and Genetics	6cp	
91107	The Biosphere	6cp	

Spring semester

65212	Chemistry 2		6cp
33290	Statistics and Mathematics for Science		6cp
68070	Introduction to Materials		6cp
68201	Physics in Action		6cp

Year 2

Autumn semester

33360	Mathematics for Physical Science		6cp
65307	Physical Chemistry 1		6cp
68075	Nanomaterials		6cp
Select 6 credit points of electives			6cp

Spring semester

91140	BioNanotechnology		6cp
68413	Quantum Physics		6cp
68315	Imaging Science		6cp
Select 6 credit points of electives			6cp

Year 3

Autumn semester

68316	Applied Electronics and Interfacing		6cp
67509	Molecular Nanotechnology		6cp
68606	Solid-state Science and Nanodevices		6cp
Select 6 credit points of electives			6cp

Spring semester

67510	Surface Processes		6cp
68513	Optics and Nanophotonics		6cp
68320	Scanning Probe and Electron Microscopy		6cp
Select 6 credit points of electives			6cp

Nanotechnology major, Spring commencing

Year 1

Spring semester

35101	Introduction to Linear Dynamical Systems		6cp
65111	Chemistry 1		6cp
68041	Physical Aspects of Nature		6cp
68070	Introduction to Materials		6cp

Year 2

Summer session

65212	Chemistry 2		6cp
33290	Statistics and Mathematics for Science		6cp

Autumn semester

33360	Mathematics for Physical Science		6cp
65307	Physical Chemistry 1		6cp
68075	Nanomaterials		6cp
Select 6 credit points from the following options:			6cp
91161	Cell Biology and Genetics	6cp	
91107	The Biosphere	6cp	

Spring semester

68201	Physics in Action		6cp
91140	BioNanotechnology		6cp
67510	Surface Processes		6cp
Select 6 credit points of electives			6cp

Year 3

Autumn semester

68316	Applied Electronics and Interfacing		6cp
67509	Molecular Nanotechnology		6cp
Select 12 credit points of electives			12cp

Spring semester

68413	Quantum Physics	6cp
68315	Imaging Science	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp

Year 4

Autumn semester

68606	Solid-state Science and Nanodevices	6cp
Select 6 credit points of electives		6cp

Statistics major, Autumn commencing

Year 1

Autumn semester

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp

Year 2

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
Select 6 credit points of electives		6cp

Spring semester

35231	Differential Equations	6cp
35353	Regression Analysis	6cp
Select one subject from the following:		6cp
35355	Quality Control	6cp
35393	Seminar (Statistics)	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
Select 6 credit points of electives		6cp

Spring semester

Select one subject from the following:		6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35393	Seminar (Statistics)	6cp
Select two subjects from the following:		12cp
35322	Advanced Analysis	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
Select 6 credit points of electives		6cp

Statistics major, Spring commencing

Year 1

Spring semester

35151	Introduction to Statistics	6cp
35111	Applications of Discrete Mathematics	6cp
35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp

Year 2

Summer session

35102	Introduction to Analysis and Multivariable Calculus	6cp

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
CBK90796	Foundation subject choice A	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35231	Differential Equations	6cp
35353	Regression Analysis	6cp
35355	Quality Control	6cp

Year 3

Autumn semester

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
Select 6 credit points of electives		6cp

Spring semester

CBK90797	Foundation subject choice B	6cp
Select one subject from the following:		6cp
35361	Stochastic Processes	6cp
35393	Seminar (Statistics)	6cp
Select two subjects from the following:		12cp
35322	Advanced Analysis	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp

Year 4

Autumn semester

Select 24 credit points of electives	24cp

Honours

The Bachelor of Science (Honours) is available in all disciplines as an additional year to meritorious students.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10243v1 Bachelor of Science Bachelor of Arts in International Studies

Award(s): Bachelor of Science in (name of Science major) (BSc)
Bachelor of Arts in International Studies (BA)
UAC code: 609250 (Autumn semester)
CRICOS code: 026202J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

For international students, mid-year (July/August) intake may be considered on a case-by-case basis by the faculty.

Overview

In the science component of this combined degree, students may select any one of 12 different specialised programs leading to the award of a science degree naming the chosen discipline, or students may select a range of science subjects to tailor their study according to their interests. In the international studies component, students are immersed in another language and culture. The combined degree program is aimed at increasing students' awareness of international contexts and producing graduates who are well prepared for professional careers in science in an international setting.

Career options

Career options include those listed for the single Bachelor of Science (C10242) (see page 248) degree, but global opportunities are enhanced by the international perspective provided by the international studies component and by the specific language and culture chosen.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Science (C10242) (see page 248). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program (see page 95) with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; English; and at least one science subject. There are no prior language requirements for the international studies program (see page 90).

HSC Mathematics Extension 1 is recommended for those majoring in mathematics/statistics.

Course duration and attendance

This course is offered over five years full time. Full-time attendance involves approximately 20 hours each week on campus. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

All students must complete 240 credit points of study, comprising 144 credit points relating to the Bachelor of Science and 96 credit points relating to the Bachelor of Arts in International Studies. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Graduation from the science component of the combined degree is not possible prior to completion of all components of the combined degree. Students wishing to graduate with a Bachelor of Science prior to completion of the international studies component of the combined degree must apply for transfer to the Bachelor of Science (C10242) (see page 248) single degree program where they must complete all requirements for the stand-alone single degree.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
CBK90653	Stream choice	144cp
		Total 240cp

Course program

The programs shown are for a student in each of the science majors who has chosen the Germany major as the international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

List of science majors

MAJ01100	Applied Chemistry	96cp
MAJ01101	Applied Physics	96cp
MAJ01103	Biotechnology	96cp
MAJ01104	Biomedical Science	96cp
MAJ01106	Environmental Biology	96cp
MAJ01108	Environmental Forensics	96cp
MAJ01107	Marine Biology	96cp
MAJ01110	Mathematics	96cp
MAJ01105	Medical Science	96cp
MAJ01102	Nanotechnology	96cp
MAJ01111	Statistics	96cp
STM90694	No specified major (Life and Environmental Sciences)	96cp
STM90697	No specified major (Physical Sciences)	96cp

Applied Chemistry major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp

Select one of the following: 6cp

91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp

Spring semester

33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp

Spring semester

97602	German Language and Culture 2	8cp
65508	Organic Chemistry 2	6cp
65411	Inorganic Chemistry 1	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
65307	Physical Chemistry 1	6cp

Select 6 credit points of electives 6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
65306	Analytical Chemistry 1	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp

Select 6 credit points of electives 6cp

Spring semester

65607	Physical Chemistry 2	6cp
65606	Analytical Chemistry 3	6cp
67510	Surface Processes	6cp

Select 6 credit points of electives 6cp

Applied Physics major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp

Select one of the following: 6cp

91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp

Spring semester

33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
33360	Mathematics for Physical Science	6cp
68412	Energy Science and Technology	6cp

Spring semester

97602	German Language and Culture 2	8cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
68075	Nanomaterials	6cp

Select 6 credit points of electives 6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
68414	Advanced Mechanics	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68416	Computational Physics	6cp

Select 6 credit points of electives 6cp

Spring semester

68320	Scanning Probe and Electron Microscopy	6cp
68513	Optics and Nanophotonics	6cp
68415	Measurement and Analysis of Physical Processes	6cp

Select 6 credit points of electives 6cp

Biomedical Science major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

97602	German Language and Culture 2	8cp
91132	Molecular Biology 1	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
91500	Histology	6cp
CBK90579	Elective 1	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
CBK90580	Elective 2	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

CBK90581	Elective 3	6cp

Select 18 credit points from the following options: 18cp

91335	Molecular Biology 2	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91359	Advanced Immunology	6cp
91338	Clinical Bacteriology	6cp
91358	Advanced Haematology	6cp

Spring semester

CBK90582	Elective 4	6cp

Select 18 credit points from the following options: 18cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp

Biotechnology major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp

Spring semester

97602	German Language and Culture 2		8cp
91132	Molecular Biology 1		6cp
Select 12 credit points from the following options:			12cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
91142	Biotechnology	6cp
CBK90579	Elective 1	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
CBK90580	Elective 2	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

91369	Biobusiness and Environmental Biotechnology	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
CBK90581	Elective 3	6cp

Spring semester

91144	Plant Biotechnology	6cp
91368	Bioreactors and Bioprocessing	6cp
CBK90582	Elective 4	6cp
Select 6 credit points from the following options:		6cp
91345	Biochemistry, Genes and Disease	6cp
91129	Transfusion Science	6cp
91352	Parasitology	6cp

Environmental Biology major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Spring semester

97602	German Language and Culture 2	8cp
91270	Plant Physiology and Ecophysiology	6cp
91363	Animal Behaviour and Physiology	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
91149	Geological Processes	6cp
Select 6 credit points of electives		6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
Select 12 credit points of electives		12cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp
91116	Wildlife Ecology	6cp
91309	Biodiversity Conservation	6cp

Spring semester

91145	Environmental Protection and Management	6cp
91155	Stream and Lake Assessment	6cp
Select one of the following:		6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
Select 6 credit points of electives		6cp

Environmental Forensics major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Spring semester

97602	German Language and Culture 2	8cp
65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
91149	Geological Processes	6cp
Select 6 credit points of electives		6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
Select 12 credit points of electives		12cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp
79004	Environmental Law and Science	6cp
91309	Biodiversity Conservation	6cp

Spring semester

91145	Environmental Protection and Management	6cp
79023	Environmental Forensic Law	6cp
91155	Stream and Lake Assessment	6cp
Select 6 credit points of electives		6cp

Marine Biology major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp

Spring semester

97602	German Language and Culture 2	8cp
91157	Marine Communities	6cp
91270	Plant Physiology and Ecophysiology	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
91149	Geological Processes	6cp

Select 6 credit points of electives 6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
91363	Animal Behaviour and Physiology	6cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp

Select one of the following: 6cp

66513	Marine Geosciences	6cp
91118	Fisheries Resources	6cp

Select 6 credit points of electives 6cp

July session

91126	Coral Reef Ecosystems	6cp

Spring semester

91156	Marine Productivity and Climate Change	6cp
91145	Environmental Protection and Management	6cp

Select 6 credit points of electives 6cp

Medical Science major

Year 1

Autumn semester

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
91320	Metabolic Biochemistry	6cp
91703	Physiological Systems	6cp

Spring semester

97602	German Language and Culture 2	8cp
91132	Molecular Biology 1	6cp
91239	Human Pathophysiology	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
91314	General Microbiology	6cp

Select 6 credit points from the following options: 6cp

91403	Medical Imaging	6cp
CBK90579	Elective 1	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91401	Introductory Haematology and Immunology	6cp
91330	Epidemiology and Public Health Microbiology	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

91707	Pharmacology 1	6cp
91706	Neuroscience	6cp

Select 6 credit points from the following options: 6cp

91403	Medical Imaging	6cp
CBK90580	Elective 2	6cp
CBK90581	Elective 3	6cp

Spring semester

91709	Pharmacology 2	6cp
91708	Medical and Applied Physiology	6cp
CBK90582	Elective 4	6cp
91705	Medical Devices and Diagnostics	6cp

Nanotechnology major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp

Select one of the following: 6cp

91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp

Spring semester

33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
33360	Mathematics for Physical Science	6cp
68075	Nanomaterials	6cp

Spring semester

97602	German Language and Culture 2	8cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
65307	Physical Chemistry 1	6cp
Select 6 credit points of electives		6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
91140	BioNanotechnology	6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
67509	Molecular Nanotechnology	6cp
Select 6 credit points of electives		6cp

Spring semester

68320	Scanning Probe and Electron Microscopy	6cp
68513	Optics and Nanophotonics	6cp
67510	Surface Processes	6cp
Select 6 credit points of electives		6cp

Mathematics major

Year 1

Autumn semester

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp

Spring semester

97602	German Language and Culture 2	8cp
35231	Differential Equations	6cp
35353	Regression Analysis	6cp
Select 6 credit points from the following options:		6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
976001	Foundations in International Studies	8cp
Select 6 credit points of electives		6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
Select 6 credit points from the following options:		6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

35232	Advanced Calculus	6cp
Select 12 credit points from the following options:		12cp
35340	Quantitative Management Practice	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp
Select 6 credit points of electives		6cp

Spring semester

Select 12 credit points from the following options:		12cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
Select 12 credit points of electives		12cp

Statistics major

Year 1

Autumn semester

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
35363	Stochastic Models	6cp
35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp

Spring semester

97602	German Language and Culture 2	8cp
35231	Differential Equations	6cp
35353	Regression Analysis	6cp
Select one of the following:		6cp
35355	Quality Control	6cp
35393	Seminar (Statistics)	6cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
976001	Foundations in International Studies	8cp
Select 6 credit points of electives		6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
Select 6 credit points of electives		6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
Select 6 credit points of electives		6cp

Spring semester

Select one subject from the following:			6cp
35355	Quality Control	6cp	
35361	Stochastic Processes	6cp	
35393	Seminar (Statistics)	6cp	
Select two subjects from the following:			12cp
35322	Advanced Analysis	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
Select 6 credit points of electives			6cp

Honours

The Bachelor of Science (Honours) is available in all disciplines as an additional year to meritorious students.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10244v1 Bachelor of Forensic Science in Applied Chemistry

Award(s): Bachelor of Forensic Science in Applied Chemistry (BForSc)
UAC code: 607020 (Autumn semester, Spring semester)
CRICOS code: 061246F
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course prepares students for entry to professional work in the field of applied chemistry or as specialists in the forensic science area. It includes a foundation in the basic sciences, with in-depth development of chemistry and analytical sciences and forensic techniques, emphasising forensic applications.

The hands-on course is well regarded nationally and internationally. It is unique in Australasia and draws on UTS's strong expertise in both forensic science and chemistry to produce graduates prepared for employment in either field. Facilities and equipment are world-class, with internationally recognised teaching, research and access to leading forensic experts. The course has strong links with the federal and state police services, national and international forensic institutions and the analytical industry.

Course aims

This course aims to produce professional forensic scientists and chemists with highly adaptable and practical scientific skills, accompanied by a thorough grounding in theory.

Career options

Career options include positions in the police service (in crime scene or laboratories), in state and federal law enforcement agencies, in government and private forensic or drug detection laboratories, in environmental protection agencies and in pharmaceutical and chemical industries.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics; any two units of English; and any two units of science.

HSC Mathematics Extension 1; Chemistry; Physics are recommended.

Course duration and attendance

Students can complete the course over three years full time. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking six years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

The course comprises 144 credit points of study. Stages 1-4 (the first two years) of the program are similar, though not identical, to the Bachelor of Science (Applied Chemistry major) (C10242) (see page 248). Stages 5-6 (the final year) are strongly focused on forensic studies.

Course completion requirements

33190	Mathematical Modelling for Science		6cp
65111	Chemistry 1		6cp
68101	Foundations of Physics		6cp
Select one of the following:			6cp
91161	Cell Biology and Genetics	6cp	
91107	The Biosphere	6cp	
33290	Statistics and Mathematics for Science		6cp
65212	Chemistry 2		6cp
65242	Principles of Forensic Science		6cp
Select one of the following:			6cp
68070	Introduction to Materials	6cp	
68201	Physics in Action	6cp	
91400	Human Anatomy and Physiology	6cp	
65202	Organic Chemistry 1		6cp
65410	Chemical Safety and Legislation		6cp
65307	Physical Chemistry 1		6cp
65342	Crime Scene Investigation		6cp
65508	Organic Chemistry 2		6cp
65411	Inorganic Chemistry 1		6cp
65306	Analytical Chemistry 1		6cp
65412	Physical Evidence		6cp
65409	Analytical Chemistry 2		6cp
65544	Chemical Criminalistics		6cp
65545	Forensic Toxicology		6cp
65607	Physical Chemistry 2		6cp
65606	Analytical Chemistry 3		6cp
65643	Chemistry and Pharmacology of Recreational Drugs		6cp
65644	Fire and Explosion Investigation		6cp
Select 6 credit points from the following options:			6cp
35255	Forensic Statistics	6cp	
65509	Inorganic Chemistry 2	6cp	
67305	Polymer Science	6cp	
			Total 144cp

Course program

Typical course programs are shown below.

Autumn commencing

Year 1

Autumn semester

33190	Mathematical Modelling for Science		6cp
65111	Chemistry 1		6cp
68101	Foundations of Physics		6cp
Select one of the following:			6cp
91161	Cell Biology and Genetics	6cp	
91107	The Biosphere	6cp	

Spring semester

33290	Statistics and Mathematics for Science		6cp
65212	Chemistry 2		6cp
65242	Principles of Forensic Science		6cp
Select one of the following:			6cp
68070	Introduction to Materials	6cp	
68201	Physics in Action	6cp	
91400	Human Anatomy and Physiology	6cp	

Year 2

Autumn semester

65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65307	Physical Chemistry 1	6cp
65342	Crime Scene Investigation	6cp

Spring semester

65508	Organic Chemistry 2	6cp
65411	Inorganic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp
65412	Physical Evidence	6cp

Year 3

Autumn semester

65409	Analytical Chemistry 2		6cp
65544	Chemical Criminalistics		6cp
65545	Forensic Toxicology		6cp
Select one of the following:			6cp
35255	Forensic Statistics	6cp	
65509	Inorganic Chemistry 2	6cp	
67305	Polymer Science	6cp	

Spring semester

65607	Physical Chemistry 2	6cp
65606	Analytical Chemistry 3	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp

Spring commencing

Year 1

Spring semester

65111	Chemistry 1		6cp
65242	Principles of Forensic Science		6cp
33130	Mathematical Modelling 1		6cp
Select 6 credit points from the following options:			6cp
68070	Introduction to Materials	6cp	
91400	Human Anatomy and Physiology	6cp	

Year 2

Summer session

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp

Autumn semester

65202	Organic Chemistry 1	6cp
65342	Crime Scene Investigation	6cp
65306	Analytical Chemistry 1	6cp

Select 6 credit points from the following options:			6cp
91107	The Biosphere	6cp	
91161	Cell Biology and Genetics	6cp	

Spring semester

65508	Organic Chemistry 2	6cp
65412	Physical Evidence	6cp
65410	Chemical Safety and Legislation	6cp
65411	Inorganic Chemistry 1	6cp

Year 3

Autumn semester

65409	Analytical Chemistry 2	6cp
65544	Chemical Criminalistics	6cp
65545	Forensic Toxicology	6cp
65307	Physical Chemistry 1	6cp

Spring semester

65607	Physical Chemistry 2	6cp
65606	Analytical Chemistry 3	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp

Year 4

Autumn semester

68037	Physical Modelling		6cp
Select 6 credit points from the following options:			6cp
35255	Forensic Statistics	6cp	
65509	Inorganic Chemistry 2	6cp	
67305	Polymer Science	6cp	

Honours

The Bachelor of Forensic Science (Honours) in Applied Chemistry (C09050) (see page 121) is available as an additional year to meritorious students.

Professional recognition

Graduates are eligible for membership of the Royal Australian Chemical Institute and the Australian and New Zealand Forensic Science Society.

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10245v3 Bachelor of Science in Information Technology Bachelor of Laws

Award(s): Bachelor of Science in Information Technology (BSc)
Bachelor of Laws (LLB)
UAC code: 609020 (Autumn semester)
CRICOS code: 064382G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The primary goal of this combined degree is to prepare lawyers with an expert knowledge of IT qualifying them to work as IT professionals in a legal environment.

The law component of this course provides a thorough grounding in Australian legal practice. The information technology component offers a sound education in all aspects of computing and information technology and allows students to gain a specialisation with an IT major.

The information technology component adopts a practice-based approach to IT education and the course content is a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in business analysis, problem solving, teamwork and communication.

Career options

Lawyers with IT skills are in demand. Career opportunities include lawyer or policy adviser in various government departments, in-house legal counsel to an IT or software company, or specialist in areas such as intellectual property, e-commerce and privacy or internet censorship. Alternatively, graduates can work as IT professionals in legal practice, legal publishing or private law firms.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC or equivalent mathematics; and any two units of English.

Mathematics Extension 1 and English Advanced are recommended.

Credit recognition

Credit recognition is not normally granted in this course for study completed at a private college, except where UTS has an external articulation agreement with the college. There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of the these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course duration and attendance

The course duration is five years of full-time study. The law component requires attendance of 10–15 hours of lectures a week and timetable constraints require attendance at daytime and evening classes. The IT component normally requires around 12 hours attendance of lectures and seminars a week and attendance at some evening classes may be required. The Diploma in Information Technology Professional Practice (C20049) (see page 350) includes at least nine months of paid work experience in the IT industry.

Course structure

The course comprises a total of 240 credit points, allowing students to graduate with the separate degrees of Bachelor of Science in Information Technology and Bachelor of Laws. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- 6 credit points of legal theory options.

The IT component of 96 credit points is made up of:

- 48 credit points of core IT subjects, and
- 48 credit points of subjects for an IT major.

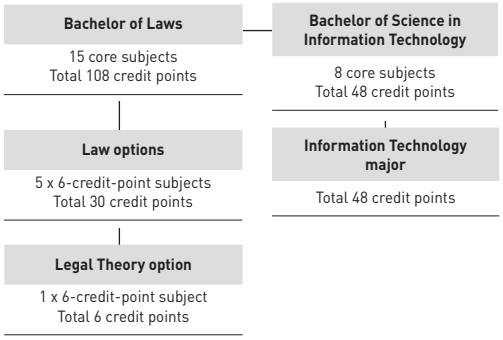
Industrial training/professional practice

To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Students also have the option to undertake the Diploma in Information Technology Professional Practice (C20049) (see page 350) once they have secured suitable full-time employment in the IT industry. This incorporates a minimum of nine months' full-time paid work experience with four supporting subjects at UTS.

Course diagram



Course completion requirements

STM90691	Law stream	144cp
STM90651	Core subjects (Information Technology)	48cp
CBK90781	Major choice (Information Technology)	48cp
		Total 240cp

Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

All electives shown are IT electives and are to be drawn from those on offer in CBK90781.

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31268	Web Systems	6cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31270	Networking Essentials	6cp
70311	Torts	8cp

Year 2

Autumn semester

31269	Business Requirements Modelling	6cp
70114	Criminal Law and Procedure	8cp
70211	Contracts	8cp

Spring semester

31271	Database Fundamentals	6cp
70104	Civil Practice	6cp
70327	Commercial Law	6cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70317	Real Property	8cp

Select 6 credit points of electives 6cp

Spring semester

71116	Remedies	6cp
70109	Evidence	6cp

Select 12 credit points of electives 12cp

Year 4

Autumn semester

70617	Administrative Law	8cp
70517	Equity and Trusts	8cp

Select 6 credit points of electives 6cp

Spring semester

31272	Project Management and the Professional	6cp

Select 6 credit points of options 6cp

Select 12 credit points of electives 12cp

Year 5

Autumn semester

70417	Corporate Law		8cp
70108	Public International Law		6cp
Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	
Select 6 credit points of electives			6cp

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which do not require an additional honours year. Honours candidates must complete the research thesis subject within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

The Bachelor of Science in Information Technology may also be awarded with a distinction, credit or pass.

Honours

Students interested in research and who excel in their IT studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114). The honours year is also available on a part-time basis over two years.

Professional recognition

The IT component qualifies for professional-level membership of the Australian Computer Society.

The law component of the course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training (PLT) program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information on the law component or the IT component for current students is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information for future students on the IT component is available from:

Engineering and Information Technology Outreach Office

telephone +61 2 9514 2666

email it@uts.edu.au

C10246v1 Bachelor of Arts in Communication (Journalism)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600013 (Autumn semester)
CRICOS code: 032309C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

Journalism education at UTS is based on the principle that professional journalism is founded on the public's right to know. This degree develops professional skills across all media and critically engages with the intellectual, ethical and political foundations of journalism.

This course is designed to meet the essential practical skills and theoretical knowledge needed for a career in journalism. Students gain a crucial understanding of the role that journalists play in creating a democratic public sphere, providing a forum for debate and giving voice to diverse communities. The course equips students with advanced research, writing, reporting and analytical skills for print, television, video, radio, audio and online media; and knowledge of the intellectual, ethical and political foundations of journalism.

Career options

Career options include reporters, producers, publishers, editors, sub-editors, feature and freelance journalists, investigative journalists, media researchers, and strategists in the print, broadcast and online media.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students take part in relevant and applied journalism tasks throughout the course and can elect to undertake a professional placement with a media organisation.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10020	Journalism	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

A typical course program is shown below for students commencing in Autumn semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58110	Introduction to Journalism		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58111	Reporting with Sound and Image		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58112	Reporting and Editing for Print and Online Journalism		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58210	Storytelling, Narrative and Features		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58211	Specialist Reporting, Audiences and Interactivity		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58310	Media Hub		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is available with an additional year of full-time study for eligible students.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10247v1 Bachelor of Arts in Communication (Media Arts and Production)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600018 (Autumn semester)
CRICOS code: 033247D
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course prepares students for a wide range of roles within the media and cultural sectors. Students study the history, contemporary issues and theory of media and culture while developing advanced technical and conceptual skills in film, video, new media and sound. The professional areas within the degree include film, video, television, multimedia, sound, radio, performance and installation, and the interplay among these media forms.

This course explores the history, contemporary issues, theories and challenges of media and culture in society. Students develop sophisticated production skills in video, sound and new media, and enhance their creative innovation in these areas. Students are encouraged to evolve as a creative director and producer of media projects, as well as develop technical proficiency specifically in one media area. By the time of graduation, students should have a professional portfolio of creative production work.

Career options

Career options include arts and cultural administrators, cinematographers, directors, documentary makers, editors, film producers, freelance media artists multimedia designers, new media producers, producers, production managers, program commissioning editors, radio producers, scriptwriters and sound designers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students undertake production projects each semester. They can elect to participate in professional placement and are encouraged to develop their portfolio and publicly display their works throughout their study through events such as the biennial UTS Golden Eye Awards and other festivals and competitions.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10021	Media Arts and Production	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

A typical course program is shown below for students commencing in Autumn semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58113	Exploring Media Arts		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58115	Composing the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58114	Fictions: Storytelling, Narrative and Drama		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58212	Aesthetics		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58213	Research and Practice		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58311	Media Arts Project		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is available with an additional year of full-time study for eligible students.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10248v1 Bachelor of Arts in Communication (Public Communication)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600023 (Autumn semester, Spring semester)
CRICOS code: 026164K
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The critical and theoretical approach offered in this course develops ethical and responsible communication professionals. This course provides students with interdisciplinary knowledge of public communication processes and industries, and their social, economic and political contexts with specialised expertise in public relations and/or advertising.

This course has a focus on professional communication careers including public relations and advertising. Students explore the communication contexts for these practices – cultural, social and political. Students develop their professional skills in campaign design and production, copywriting, media liaison and writing, research and evaluation, sponsorship and event management. Assignments provide material for a portfolio after graduation.

Career options

Career options include advertising account executives, advertising copywriters, communication strategists, community relations managers, marketing communication specialists, media liaison officers, media researchers, political media advisers, public relations consultants, publicity officers and special events coordinators.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Industrial training/professional practice

Many assignments are practice based and all are relevant to understanding and working in the industry. Students undertake a professional placement in an organisation involved in public communication.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10024	Public Communication	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

Typical course programs are shown below for students commencing in either Autumn or Spring semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester. Students also have the option of completing either a Public Relations stream (STM90716) or an Advertising stream (STM90715) in Year 1 of this course.

Public Relations stream, Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58116	The Ecology of Public Communication		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58117	Principles of Public Relations		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58128	Strategic Public Relations	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58214	Media Writing and Production	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Year 3

Autumn semester

58312	Integrated Communication	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Spring semester

58301	Communication Practice Project	8cp
58231	Organisational Communication	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Public Relations stream, Spring commencing

Year 1

Spring semester

58101	Understanding Communication	8cp
58102	Language and Discourse	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	

Year 2

Autumn semester

58116	The Ecology of Public Communication	8cp
58201	Communication and Cultural Industries and Practices	8cp
58103	Ideas in History	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58117	Principles of Public Relations	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Year 3

Autumn semester

58128	Strategic Public Relations	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Spring semester

58214	Media Writing and Production	8cp
58231	Organisational Communication	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Year 4

Autumn semester

58301	Communication Practice Project	8cp
58312	Integrated Communication	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Advertising stream, Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58116	The Ecology of Public Communication		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58118	Principles of Advertising		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58129	Advertising Campaign Practice	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58229	Brand Advertising Strategies	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Year 3

Autumn semester

58312	Integrated Communication	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice 24cp	
CBK90702	Electives 24cp	

Spring semester

58301	Communication Practice Project		8cp
58230	Professional Advertising Practice		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Advertising stream, Spring commencing

Year 1

Spring semester

58101	Understanding Communication		8cp
58102	Language and Discourse		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58116	The Ecology of Public Communication		8cp
58103	Ideas in History		8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58118	Principles of Advertising		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58129	Advertising Campaign Practice		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58229	Brand Advertising Strategies		8cp
58230	Professional Advertising Practice		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Autumn semester

58301	Communication Practice Project		8cp
58312	Integrated Communication		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is available with an additional year of full-time study for eligible students.

Professional recognition

- This course has professional recognition from the Public Relations Institute of Australia and the International Advertising Association. Students wishing to be eligible for professional membership of Public Relations Institute of Australia must successfully complete the two core subjects in MAJ10024 Public Communication and choose STM90716 Public Relations stream (four subjects) as their option.
- Students wishing to be eligible for professional membership of the International Advertising Association must successfully complete the four subjects in STM90715 Advertising stream and in addition 58117 Principles of Public Relations.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10250v1 Bachelor of Arts in Communication (Social Inquiry)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600028 (Autumn semester, Spring semester)
CRICOS code: 033019E
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

Social inquiry is where social and political theory and practices of research and communication converge. This cross-disciplinary course investigates society, explores current issues, and questions implications of change and progress in the global community. Students undertake professional studies as well as social, cultural and communication theory and practice so they can ask questions, research issues, develop advocacy skills and effectively develop communication strategies.

This is a cross-disciplinary course in which students combine social, political, historical and philosophical perspectives on what makes us members of society. Is change good, bad or both? Students learn how to understand social issues and how to think through ways of making a difference; how to research, communicate and plan contributions to national and international debates. The course equips students with the knowledge and skills to be involved in diverse organisations that want to make changes.

Career options

Career options include community development workers, community project managers, international aid workers, local and community historians, media researchers, policy analysts, policy officers, political advisers, politicians, social researchers, trade union officials, social welfare officers, and change agents in a range of social, cultural, historical and political arenas

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students can elect to undertake a professional experience project with a community, corporate, non-government or government organisation. There are opportunities for parliamentary placement.

Course completion requirements

STM90550	Core subjects	48cp
MAJ09395	Social Inquiry	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

Typical course programs are shown below for students commencing in either Autumn or Spring semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

As an alternative to 58314 Social Inquiry Placement, students may wish to enrol in 50260 Parliamentary Placement. Enrolment in 50260 is by invitation only. Students must first enrol in 58314 and then submit an Expression of Interest to enrol in 50260.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58122	Introduction to Social Inquiry		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58124	Local Transformations		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58123	Society, Economy and Globalisation		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58218	Ideology, Beliefs and Visions		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58219	Policy and Advocacy		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58314	Social Inquiry Placement		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring commencing

Year 1

Spring semester

58101	Understanding Communication		8cp
58102	Language and Discourse		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58122	Introduction to Social Inquiry		8cp
58103	Ideas in History		8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58124	Local Transformations		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58123	Society, Economy and Globalisation		8cp
58219	Policy and Advocacy		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58218	Ideology, Beliefs and Visions		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Autumn semester

58301	Communication Practice Project		8cp
58314	Social Inquiry Placement		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is available with an additional year of full-time study for eligible students.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10251v1 Bachelor of Arts in Communication (Information and Media)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600008 (Autumn semester, Spring semester)
CRICOS code: 060173D
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course has been specifically designed to respond to the new demands created by the increasing convergence of information, media and communication, design, and the creative arts. The course uses a 'learning through making' approach which is creative, collaborative and critical. The broad range of skills and knowledge needed for creative information practice is reflected in the portfolio students develop throughout the course.

Students create a portfolio of products including blogs, podcasts, websites, databases as well as audience and user analyses. The degree also provides students with an opportunity to develop a secondary specialisation to complement core studies and to undertake a professional placement.

Course aims

This interdisciplinary course prepares students for work in a variety of creative information design and management roles. Students develop an understanding of the interrelationships between people, information and communication technologies, as well as practical skills in areas such as web design and architecture, media research and writing information and media content for diverse audiences.

Career options

Career options include work as collection developers, database designers, information architects, information managers, librarians, media researchers, new media producers, project managers, and web content developers or content managers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students contribute to the development of their professional portfolio throughout the course, have opportunities for industry placements and undertake a final capstone project for a client.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10023	Information and Media	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

Typical course programs are shown below for students commencing in either Autumn or Spring semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Students who commenced before 2012 should follow the course program in the archived handbook from their commencing year.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58125	User Experience Design		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58126	Information Discovery and Analysis		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58127	Information Cultures		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58220	Designing for the Web		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58221	Social Informatics		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58315	Managing Digital Information		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring commencing

Year 1

Spring semester

58101	Understanding Communication		8cp
58102	Language and Discourse		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58125	User Experience Design		8cp
58103	Ideas in History		8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58126	Information Discovery and Analysis		8cp
58220	Designing for the Web		8cp

Year 3

Autumn semester

58221	Social Informatics		8cp
58127	Information Cultures		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58315	Managing Digital Information	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

58301	Communication Practice Project	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is available with an additional year of full-time study for eligible students.

Professional recognition

This course has professional recognition from the Australian Library and Information Association. Students wishing to be eligible for professional membership of ALIA, must successfully complete 50190 Professional Information Project as an elective.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10252v2 Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (Journalism) (BA)
Bachelor of Arts in International Studies (BA)
UAC code: 609300 (Autumn semester)
CRICOS code: 043279B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This degree combines a professional degree with immersion in another language and culture, enhancing professional training and career options. The combined course seeks to augment the value of journalism by broadening awareness and understanding of another language and culture.

As media becomes increasingly global, it is more important than ever for journalists to have an understanding of international affairs and cultural perspectives other than their own. There are many opportunities for journalists to work in different countries during their career and those who are fluent in more than one language are able to take advantage of these opportunities. Career options are also enhanced by international experience, making students more marketable to prospective employers.

Career options

Career options include editors and sub-editors, feature and freelance writers, investigative journalists, media researchers, producers, publishers, reporters, and strategists in the print, broadcast and online media.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There are no prior language requirements for the international studies program. Entry level to the various language and culture programs depends upon students' prior knowledge of the relevant language. Students are admitted to the international studies program with no guarantee of entry to a specific country major, although every effort is made to meet their preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90550	Core subjects	48cp
MAJ10020	Journalism	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 240cp

Course program

The example program below is for a student commencing in Autumn semester with the Germany major as the chosen international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major. Students must choose a sub-major from CBK90701 in Year 1 Spring semester.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58110	Introduction to Journalism		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58111	Reporting with Sound and Image		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58210	Storytelling, Narrative and Features	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58211	Specialist Reporting, Audiences and Interactivity	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp

Select 8 credit points from the following options: 8cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp

Select 16 credit points from the following options: 16cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Spring semester

58310	Media Hub	8cp

Select 16 credit points from the following options: 16cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10253v2 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (Media Arts and Production) (BA)
Bachelor of Arts in International Studies (BA)
UAC code: 609310 (Autumn semester)
CRICOS code: 043280J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The course combines a professional degree with immersion in another language and culture, enhancing professional training and career options. This combined degree seeks to augment the value of media arts and production by broadening students' awareness and understanding of another language and culture. The emphasis lies in recognising that the media and cultural industries are undergoing enormous changes in identities and audiences.

Students develop their own creative and conceptual work through the production of a range of exercises and projects in film and video, sound and radio and new media (multimedia and online applications). The subjects in the course also place a strong emphasis on the professional context and work practices associated with these areas and the ability to apply them in the national and international production context. Career options are also enhanced by international experience, making students more marketable to prospective employers.

Career options

Career options include arts and cultural administrators, cinematographers, directors, documentary makers, editors, film producers, freelance media artists and producers, multimedia designers, new media producers, production managers, program commissioning editors, radio producers, scriptwriters and sound designers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There are no prior language requirements for the international studies program. Entry level to the various language and culture programs depends upon students' prior knowledge of the relevant language. Students are admitted to the international studies program with no guarantee of entry to a specific country major, although every effort is made to meet their preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90550	Core subjects	48cp
MAJ10021	Media Arts and Production	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 240cp

Course program

The example program below is for a student commencing in Autumn semester with the Germany major as the chosen international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major. Students must choose a sub-major from CBK90701 in Year 1 Spring semester.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58113	Exploring Media Arts		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58115	Composing the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58114	Fictions: Storytelling, Narrative and Drama	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58212	Aesthetics	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58213	Research and Practice	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp

Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp

Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58311	Media Arts Project	8cp

Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10254v2 Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (Public Communication) (BA)
Bachelor of Arts in International Studies (BA)
UAC code: 609320 (Autumn semester)
CRICOS code: 026205F
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The course combines a professional degree with immersion in another language and culture, enhancing professional training and career options. This combined degree seeks to augment the value of public communication by broadening awareness and understanding of another language and culture.

International perspectives on public relations and advertising enable UTS graduates to transcend national barriers and be competitive in a global environment. Career options are enhanced by international experience, making students more adept at international and cross-cultural professional practice.

Career options

Career options include advertising copywriters, advertising account executives, communication strategists, community relations managers, marketing communication specialists, media liaison officers, media researchers, political media advisers, public relations consultants, publicity officers and special events coordinators.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There are no prior language requirements for the international studies program. Entry level to the various language and culture programs depends upon students' prior knowledge of the relevant language. Students are admitted to the international studies program with no guarantee of entry to a specific country major, although every effort is made to meet their preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90550	Core subjects	48cp
MAJ10024	Public Communication	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 240cp

Course program

The example program below is for a student commencing in Autumn semester with the Germany major as the chosen international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major. Students must choose a sub-major from CBK90701 in Year 1 Spring semester. Students have the option of completing either a Public Relations stream (STM90716) or an Advertising stream (STM90715) in Year 1 of this course.

Advertising stream

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58116	The Ecology of Public Communication		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58118	Principles of Advertising		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58129	Advertising Campaign Practice	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58229	Brand Advertising Strategies	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58312	Integrated Communication	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Spring semester

58230	Professional Advertising Practice	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Public Relations stream

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58116	The Ecology of Public Communication		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58117	Principles of Public Relations		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58128	Strategic Public Relations	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58214	Media Writing and Production	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58312	Integrated Communication	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Spring semester

58231	Organisational Communication	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Professional recognition

This course has professional recognition from the Public Relations Institute of Australia and the International Advertising Association.

- Students wishing to be eligible for professional membership of Public Relations Institute of Australia must successfully complete the two core subjects in MAJ10024 Public Communication and choose STM90716 Public Relations stream (four subjects) as their option.
- Students wishing to be eligible for professional membership of the International Advertising Association must successfully complete the four subjects in STM90715 Advertising stream and in addition 58117 Principles of Public Relations.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10256v2 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (Social Inquiry) (BA)
Bachelor of Arts in International Studies (BA)
UAC code: 609345 (Autumn semester)
CRICOS code: 043281G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The course combines a professional degree with immersion in another language and culture, enhancing professional training and career options. This combined degree seeks to augment the value of social inquiry by broadening awareness and understanding of another language and culture.

The course offers students a powerful mix of skills and knowledge which may be applied in many professional areas. It prepares students by incorporating and teaching diversity, ways of understanding and working within other cultures, the ability to understand different social and political frameworks, skills in exploring historical materials as well as researching current social problems and devising policy possibilities, and developing communication strategies using new media. Career options are also enhanced by international experience, making students more marketable to prospective employers.

Career options

Career options include community development workers, community project managers, local and community historians, international aid workers, media researchers, policy analysts, policy officers, political advisers, politicians, social researchers, social welfare officers, trade union officials, and change agents in a range of social, cultural, historical and political arenas.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There are no prior language requirements for the international studies program. Entry level to the various language and culture programs depends upon students' prior knowledge of the relevant language. Students are admitted to the international studies program with no guarantee of entry to a specific country major, although every effort is made to meet their preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90550	Core subjects	48cp
MAJ09395	Social Inquiry	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 240cp

Course program

The example program below is for a student commencing in Autumn semester with the Germany major as the chosen international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major. Students must choose a sub-major from CBK90701 in Year 1 Spring semester.

As an alternative to 58314 Social Inquiry Placement, students may wish to enrol in 50260 Parliamentary Placement. Enrolment in 50260 is by invitation only. Students must first enrol in 58314 and then submit an expression of interest to enrol in 50260.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58122	Introduction to Social Inquiry		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58124	Local Transformations		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58123	Society, Economy and Globalisation	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58218	Ideology, Beliefs and Visions	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58219	Policy and Advocacy	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58317	Transnational Media	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Spring semester

Select one of the following:			8cp
58314	Social Inquiry Placement	8cp	
50260	Parliamentary Placement	8cp	
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10257v2 Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (Information and Media) (BA)
Bachelor of Arts in International Studies (BA)
UAC code: 609340 (Autumn semester)
CRICOS code: 060174C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The combined degree enhances the interdisciplinary nature of the professionally oriented information and media degree through immersion in another language and culture.

Apart from the wider educational goals, the course helps students become more effective as information professionals, whether in Australia or overseas. Career options are enhanced by international experience.

Career options

Career options include collection developers, database designers, information architects, information managers, librarians, media researchers, new media producers, project managers, and web content developers or content managers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

There are no prior language requirements for the international studies program. Entry level to the various language and culture programs depends upon students' prior knowledge of the relevant language. Students are admitted to the international studies program with no guarantee of entry to a specific country major, although every effort is made to meet their preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institutions for the courses listed:

- INSEARCH UTS: Diploma of Communication
- Nanyang Polytechnic, Singapore: Diploma in Media Studies and Management
- Temasek Polytechnic: Diploma in Communication and Media Management
- Ngee Ann Polytechnic, Singapore: Diploma in Mass Communication.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90005	Country major choice	96cp
STM90550	Core subjects	48cp
MAJ10023	Information and Media	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 240cp

Course program

The example program below is for a student commencing in Autumn semester with the Germany major as the chosen international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major. Students must choose a sub-major from CBK90701 in Year 1 Spring semester.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58125	User Experience Design		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58126	Information Discovery and Analysis		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58127	Information Cultures	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58220	Designing for the Web	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58221	Social Informatics	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58315	Managing Digital Information		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Professional recognition

This course has professional recognition from the Australian Library and Information Association. Students wishing to be eligible for professional membership of ALIA, must successfully complete 50190 Professional Information Project as an elective.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10258v3 Bachelor of Arts in Communication (Journalism) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609001 (Autumn semester)
CRICOS code: 030572D
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course is offered jointly by UTS: Law and UTS: Communication. It aims to produce journalists with the knowledge and analytical skills of lawyers, and lawyers with the communication skills of professional journalists. It develops a broad range of professional skills and knowledge for either legal or media practice.

For those wishing to specialise after graduation, the course offers a number of possibilities including media and communications legal practice, policy and research work, specialist legal and crime reporting and publishing for print, internet, radio or television, and legal communications or publishing in the private sector.

Career options

Career options include journalist with professional skills in one or more of the print, radio, television or internet media; lawyer in the media and communication industry or legal policy adviser in a government department such as the Australian Broadcasting Authority.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Proficiency in English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week. Timetable constraints may require attendance at daytime and evening classes for the law component.

Course structure

The course comprises 240 credit points. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Journalism major.

Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure.

For a current listing of subjects in each course, refer to the study package directory.

Industrial training/professional practice

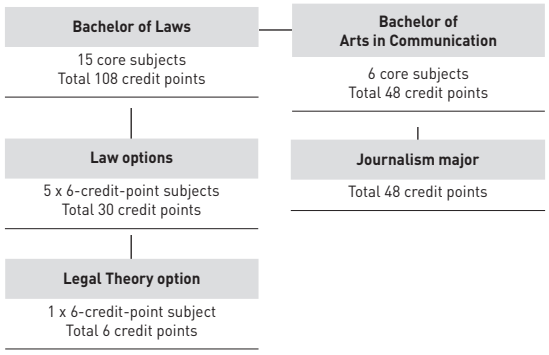
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp

Course diagram



MAJ10020	Journalism	48cp
		Total 240cp

Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Students who commenced before 2012 should follow the course program in the archived handbook from their commencing year.

Year 1

Autumn semester

Select one of the following: 8cp

58101	Understanding Communication	8cp
58102	Language and Discourse	8cp

58103	Ideas in History	8cp
58110	Introduction to Journalism	8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58111	Reporting with Sound and Image	8cp

Year 2

Autumn semester

70311	Torts	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp

Select one of the following: 8cp

58102	Language and Discourse	8cp
58101	Understanding Communication	8cp

Spring semester

70211	Contracts	8cp
70114	Criminal Law and Procedure	8cp
58210	Storytelling, Narrative and Features	8cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70104	Civil Practice	6cp
58211	Specialist Reporting, Audiences and Interactivity	8cp

Spring semester

70327	Commercial Law	6cp
58310	Media Hub	8cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp

Select 6 credit points of options 6cp

Spring semester

70617	Administrative Law	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70517	Equity and Trusts	8cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp
70417	Corporate Law	8cp
70108	Public International Law	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options 24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10259v3 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609002 (Autumn semester)
CRICOS code: 030573C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course is offered jointly by UTS: Law and UTS: Communication. It aims to develop a broad range of professional skills and knowledge for either legal or media practice and provides advanced hands-on conceptual and technical skills in film, video, sound and new media. It allows students to graduate with the separate degrees of Bachelor of Arts in Communication (Media Arts and Production) and Bachelor of Laws.

Students have the unique opportunity to combine studies in film, video, sound and new media with studies in law, gaining a first-hand perspective of the production process, the creation of intellectual property in media production and the functions of various crew roles including directors and producers through producing and exhibiting their own short film, video, sound production or new media programs.

Career options

Career options include lawyer in the media and communication industry; a wide range of roles within the media and cultural sectors in film, media or sound production; or emerging areas including the internet.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Media Arts and Production major.

Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure.

For a current listing of subjects in each course, refer to the study package directory.

Industrial training/professional practice

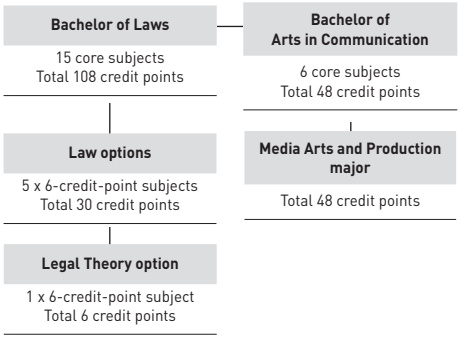
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ10021	Media Arts and Production	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Students who commenced before 2012 should follow the course program in the archived handbook from their commencing year.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58113	Exploring Media Arts		8cp

Spring semester

70103	Ethics Law and Justice	6cp
58115	Composing the Real	8cp
70102	Foundations of Law	8cp

Year 2

Autumn semester

58114	Fictions: Storytelling, Narrative and Drama		8cp
70311	Torts		8cp
Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	

Spring semester

58212	Aesthetics	8cp
70114	Criminal Law and Procedure	8cp
70211	Contracts	8cp

Year 3

Autumn semester

58213	Research and Practice	8cp
70104	Civil Practice	6cp
70616	Australian Constitutional Law	8cp

Spring semester

58311	Media Arts Project	8cp
70327	Commercial Law	6cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp
Select 6 credit points of options		6cp

Spring semester

70617	Administrative Law	8cp
70517	Equity and Trusts	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp

Year 5

Autumn semester

70417	Corporate Law	8cp
58301	Communication Practice Project	8cp
70108	Public International Law	6cp
Select 6 credit points from the following options:		6cp
76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found under undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10260v3 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609003 (Autumn semester)
CRICOS code: 032311J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course is offered jointly by UTS: Law and UTS: Communication. It provides students with a range of professional and analytical skills grounded in sociology, social policy, politics, public history and international studies, for either legal or social science practice. It is designed for students who want to use their professional legal qualification together with social research, policy development and political advocacy.

The program provides full-time study for students wishing to obtain a professional legal qualification that satisfies the requirements for admission as a lawyer together with specialisation in social, cultural and communication theory and practice. Studies in social inquiry increase students' employment options in the diverse fields of social science, media and communication, as well as extending their knowledge of the broader context in which the legal system operates.

Course aims

The course aims to promote understanding of how communities and political systems work, along with positive and effective intervention skills.

Career options

Career options include lawyer in business or media organisations, community or public sector, as an advocate, policy maker, political activist, political adviser or social or media researcher.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Social Inquiry major.

Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure.

For a current listing of subjects in each course, refer to the study package directory.

Industrial training/professional practice

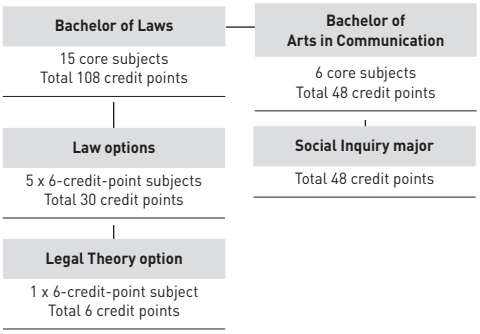
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ09395	Social Inquiry	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

As an alternative to 58314 Social Inquiry Placement, students may wish to enrol in 50260 Parliamentary Placement. Enrolment in 50260 is by invitation only. Students must first enrol in 58314 and then submit an Expression of Interest to enrol in 50260.

Students who commenced before 2012 should follow the course program in the archived handbook from their commencing year.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58122	Introduction to Social Inquiry		8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58124	Local Transformations	8cp

Year 2

Autumn semester

70311	Torts		8cp
58123	Society, Economy and Globalisation		8cp
Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	

Spring semester

58218	Ideology, Beliefs and Visions	8cp
70114	Criminal Law and Procedure	8cp
70211	Contracts	8cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70104	Civil Practice	6cp
58219	Policy and Advocacy	8cp

Spring semester

58314	Social Inquiry Placement	8cp
70327	Commercial Law	6cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp
Select 6 credit points of options		6cp

Spring semester

70517	Equity and Trusts	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70617	Administrative Law	8cp

Year 5

Autumn semester

58301	Communication Practice Project		8cp
70417	Corporate Law		8cp
70108	Public International Law		6cp
Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10261v3 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609005 (Autumn semester)
CRICOS code: 040702E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course is offered jointly by UTS: Law and UTS: Communication. It provides students with interdisciplinary knowledge of public communication processes and industries, and their social, economic and political contexts with specialised expertise in public relations and/or advertising, together with studies in law. It allows students to graduate with the separate degrees of Bachelor of Arts in Communication (Public Communication) and Bachelor of Laws.

The course provides full-time study for students wishing to obtain a professional legal qualification that satisfies the requirements for admission as a lawyer in NSW together with practical skills and knowledge for contemporary public communication practice. Assessments and a professional industry placement ensure industry relevance and that students are work-ready.

Career options

Career options include advertising account manager, corporate communications adviser, lawyer in the public communication industry, media liaison officer, political media adviser, public or community relations manager or special events coordinator.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Public Communication major.

Refer to the course entry in the *UTS: Handbook 2007* for the pre-2008 course structure.

For a current listing of subjects in each course, refer to the study package directory.

Industrial training/professional practice

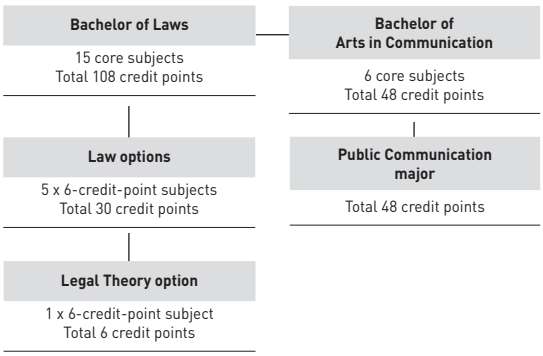
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ10024	Public Communication	48cp
		Total 240cp

Course diagram



Course program

Students have the option of completing either a Public Relations stream (STM90716) or an Advertising stream (STM90715) in Year 1 of this course. The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Students who commenced before 2012 should follow the course program in the archived handbook from their commencing year.

Public Relations stream

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58116	The Ecology of Public Communication		8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58117	Principles of Public Relations	8cp

Year 2

Autumn semester

70311	Torts		8cp
58128	Strategic Public Relations		8cp
Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	

Spring semester

70114	Criminal Law and Procedure	8cp
58214	Media Writing and Production	8cp
70211	Contracts	8cp

Year 3

Autumn semester

58312	Integrated Communication	8cp
70104	Civil Practice	6cp
70616	Australian Constitutional Law	8cp

Spring semester

70327	Commercial Law	6cp
58231	Organisational Communication	8cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp
Select 6 credit points of options		6cp

Spring semester

70617	Administrative Law	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70517	Equity and Trusts	8cp

Year 5

Autumn semester

58301	Communication Practice Project		8cp
70417	Corporate Law		8cp
70108	Public International Law		6cp
Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	

Spring semester

Select 24 credit points of options	24cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Advertising stream

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58116	The Ecology of Public Communication		8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58118	Principles of Advertising	8cp

Year 2

Autumn semester

58129	Advertising Campaign Practice		8cp
70311	Torts		8cp
Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	

Spring semester

70114	Criminal Law and Procedure	8cp
58229	Brand Advertising Strategies	8cp
70211	Contracts	8cp

Year 3

Autumn semester

70104	Civil Practice	6cp
58312	Integrated Communication	8cp
70616	Australian Constitutional Law	8cp

Spring semester

58230	Professional Advertising Practice	8cp
70327	Commercial Law	6cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
58201	Communication and Cultural Industries and Practices	8cp
70109	Evidence	6cp
Select 6 credit points of options		6cp

Spring semester

70617	Administrative Law	8cp
70517	Equity and Trusts	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp

Year 5

Autumn semester

58301	Communication Practice Project		8cp
70417	Corporate Law		8cp
70108	Public International Law		6cp
Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course has professional recognition from the Public Relations Institute of Australia and the International Advertising Association. Students wishing to be eligible for professional membership of Public Relations Institute of Australia must successfully complete the two core subjects in MAJ10024 Public Communication and choose STM90716 Public Relations stream (four subjects) as their option. Students wishing to be eligible for professional membership of the International Advertising Association must successfully complete the four subjects in STM90715 Advertising stream and in addition 58117 Principles of Public Relations. This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a Practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10263v3 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609004 (Autumn semester)
CRICOS code: 060175B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course is offered jointly by UTS: Law and UTS: Communication. It aims to develop knowledge and skills in law and the dynamic area of information and media. Through a 'learning through making' approach, this course is collaborative and critical in its study of creative information practices and how the law interrelates.

The course develops a broad range of capabilities for professional practice in information and law. This is particularly relevant to the creation, organisation, retrieval, access and flow of information, particularly within electronic environments such as blogs and podcasts where students develop skills in web design and architecture, media research and writing information and media content for diverse audiences. Students learn to solve problems encountered in areas where the law intersects with information and communication technologies within society, and engage with pertinent ethical questions.

Career options

Career options include collection developer, content developer or content manager, database designer, information architect, information manager, online and social media consultant, legal adviser within a government department, lawyer in corporate and commercial sector, librarian, media researcher, project manager, web designer and in other diverse roles particularly in legal and business contexts.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points. It allows students to graduate with the separate degrees of Bachelor of Arts in Communication (Information and Media) and Bachelor of Laws. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Information and Media major.

Industrial training/professional practice

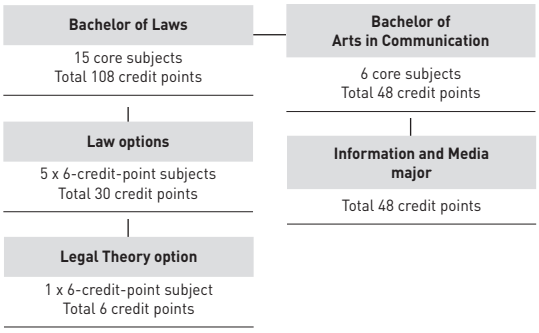
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ10023	Information and Media	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Students who commenced before 2012 should follow the course program in the archived handbook from their commencing year.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58125	User Experience Design		8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58126	Information Discovery and Analysis	8cp

Year 2

Autumn semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58127	Information Cultures		8cp
70311	Torts		8cp

Spring semester

70114	Criminal Law and Procedure	8cp
58220	Designing for the Web	8cp
70211	Contracts	8cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70104	Civil Practice	6cp
58221	Social Informatics	8cp

Spring semester

70327	Commercial Law	6cp
58315	Managing Digital Information	8cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp
Select 6 credit points of options		6cp

Spring semester

70617	Administrative Law	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70517	Equity and Trusts	8cp

Year 5

Autumn semester

58301	Communication Practice Project		8cp
70417	Corporate Law		8cp
70108	Public International Law		6cp
Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C10264v1 Bachelor of Global Studies

Award(s): Bachelor of Global Studies (BGS)
UAC code: 600048 (Autumn semester)
CRICOS code: 063940A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

The Organisational Learning major will not be available for enrolment after 2012. Students currently enrolled in this major will not be affected.

Overview

This degree focuses on learning about global political, economic and cultural processes, institutions and theories. Students are able to draw connections between these global phenomena and concrete local practices in work and life, seeing the different opportunities and constraints that exist for different groups of people. The course requires students to engage in complex problem-solving regarding global phenomena from different perspectives. Students who wish to may study overseas on exchange as part of their degree (after their first year). Students may also study languages other than English and study about particular countries. In addition, students take a professional studies major, gaining some training in the areas of management studies, business studies, legal studies or communication.

This course prepares graduates for careers and contributions in a world of social and cultural diversity being transformed by globalisation, allowing students to draw connections between global phenomena and local practices in work and life.

Course aims

The course aims to produce graduates that are capable of applying knowledge about global phenomena, institutions and theories in a professional context; have well developed communication and interpersonal skills, attitudes and values; have relevant practical and professional skills; and possess innovative thinking and research skills.

Career options

Career options include international advisory and management positions in governmental organisations such as foreign affairs or the UN, non-government agencies, and companies that operate globally.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

Course duration and attendance

The course is offered on a three-year, full-time or six-year, part-time basis.

Note: international students in Australia on a student visa are required to undertake full-time (FT) study as a condition of their visa.

Course structure

Students must complete 144 credit points, comprising:

- six core subjects (48 credit points)
- a major in business studies, communication, legal studies or management studies (48 credit points), and
- one of the following:
  - two sub-majors (48 credit points), or
  - a sub-major (24 credit points) and exchange semester (24 credit points), or
  - a sub-major (24 credit points) and three electives (24 credit points), or
  - an exchange semester (24 credit points) and three electives (24 credit points).

Industrial training/professional practice

Students undergo a domestic work placement within a workplace that deals with global issues and practices.

Course completion requirements

STM90655	Core subjects (Global Studies)	48cp
CBK90566	Major choice (Global Studies)	48cp
CBK90567	Sub-majors + electives	48cp
		Total 144cp

Course program

Two examples are given below. The first is for the degree without an exchange semester. The second is for the degree with an exchange semester. The global studies core subjects are noted in each example and students may arrange major and sub-major subjects around these core subjects. Normally students do 24 credit points each semester but as this degree involves mixing 6-credit-point and 8-credit-point subjects it may be possible to vary the 24 credit point load as needed up to 28 credit points.

List of majors

MAJ10019	Communication	48cp
MAJ08965	Business Studies	48cp
MAJ08966	Management Studies	48cp
MAJ09399	Legal Studies	48cp

List of sub-majors and electives

SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ10040	Communication	24cp
STM90498	Exchange electives	24cp
CBK90634	Electives	24cp
SMJ10052	Transnational Studies (Global Studies)	24cp
SMJ09049	Reading Australia	24cp
SMJ09050	Environmental Studies	24cp
SMJ09051	Bodies, Genders, Rights	24cp
SMJ09052	Aboriginal Studies	24cp
SMJ10032	Media Studies	24cp
SMJ10033	Screen Studies	24cp
STM90499	Exchange electives	24cp

Typical full-time program

Year 1

Autumn semester

STM90655		
99201	Global Histories	8cp
Select 18 credit points of options		18cp

Spring semester

STM90655		
99202	Global Work	8cp
58222	Global Politics from Above and Below	8cp
Select 12 credit points of options		12cp

Year 2

Autumn semester

STM90655		
99204	Global Governance	8cp
Select 18 credit points of options		18cp

Spring semester

Select 24 credit points of options	24cp

Year 3

Autumn semester

STM90655
99205 Global Work Project 8cp

Select 18 credit points of options 18cp

Spring semester

STM90655
99206 Global Problem Solving 8cp

Select 18 credit points of options 18cp

Typical full-time program with exchange semester

Year 1

Autumn semester

STM90655
99201 Global Histories 8cp

Select 18 credit points of options 18cp

Spring semester

STM90655
99202 Global Work 8cp
58222 Global Politics from Above and Below 8cp

Select 12 credit points of options 12cp

Year 2

Autumn semester

STM90655
99204 Global Governance 8cp

Select 18 credit points from the following options: 18cp

Select one of the following: 48cp
CBK90566 Major choice (Global Studies) 48cp
CBK90567 Sub-majors + electives 48cp

Spring semester

Select one of the following: 24cp
STM90498 Exchange electives 24cp
STM90499 Exchange electives 24cp

Year 3

Autumn semester

STM90655
99205 Global Work Project 8cp

Select 18 credit points of options 18cp

Spring semester

STM90655
99206 Global Problem Solving 8cp

Select 18 credit points of options 18cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10265v1 Bachelor of Design in Photography and Situated Media

Award(s): Bachelor of Design in Photography and Situated Media (BDesign)
UAC code: 602065 (Autumn semester)
CRICOS code: 067912F
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The Bachelor of Design in Photography and Situated Media is an innovative course designed to create an experimental, creative and critical environment in which to practice and think about photography. It pushes existing photographic boundaries and embraces new and established digital and analogue techniques to understand what photography is and how it might be used and interpreted in the future.

The course teaches core photographic skills that develop cutting edge practical and analytical capabilities required by contemporary photographic practitioners in creative and media industries.

Course staff and students collaborate regularly with external organisations and community. Recent projects have involved Kaldor Public Arts Projects and the Museum of Contemporary Art Australia.

Course aims

The course introduces students to a wide range of photographic practices and students are encouraged to understand their own relationship to current thinking and modes of contemporary practice.

Students are encouraged to develop a personal photographic vision and language as they progress through set briefs and self-proposed projects. The course balances the acquisition of technical skills and creativity with critical historical and theoretical analysis.

The aim is to develop photographic practitioners who can think conceptually and who can adapt and develop appropriate visual languages for a range of contemporary cultural and industry outcomes.

Students are encouraged to apply their photographic skills within all aspects of the commercial and cultural photographic industries.

Career options

Graduates of this course can engage in the broad scope of photographic and image-based careers. Options include employment or self-employment in the commercial and cultural photographic industries including: editorial photography; photojournalism; fine art photography; art direction; lighting design; interactive media and advertising; exhibition design; photographic post production.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Non-recent school leavers must submit a personal statement directly to UTS: Design, Architecture and Building. Based on the statement, students are selected for interview, at which they are expected to attend with a portfolio of work.

International students

International students (excluding those studying in an Australian high school) must submit an application to UTS International (in person, by mail or online) or through an accredited UTS representative. The application must include a portfolio of up to 10 examples of the student's work demonstrating awareness, imagination and skills relevant to design (preferably provided on CD or DVD).

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points made up of 96 credit points of core subjects (10 subjects), a 24-credit-point sub-major and 24 credit points of electives.

Course completion requirements

STM90707	Core subjects	54cp
CBK90814	Elective choice	24cp
CBK90086	Sub-major options	24cp
STM90580	Core subjects (PSM + SMD)	42cp
		Total 144cp

Course program

A typical program is shown below.

One sub-major option

Year 1

Autumn semester

80027	Photographic History and Theory	6cp
80065	Design Studio: Photographic Intervention	12cp
80064	Interaction-based Designing	6cp

Spring semester

80037	Situated Media Culture and Context	6cp
80048	Photographic Manipulation	6cp
50846	Situated Media Installation Studio	12cp

Year 2

Autumn semester

80066	Design Studio: The Digital Image	12cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Spring semester

80046	Smart Object Studio	12cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

50847	Visualisation and Sonification Studio	12cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Spring semester

80031	Graduation Exhibition	12cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10266v1 Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies

Award(s): Bachelor of Design in Photography and Situated Media (BDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609285 (Autumn semester)
CRICOS code: 068104G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Design in Photography and Situated Media explores both traditional photographic practice and more contemporary uses for urban media, such as exhibitions and installations. The degree has a strong emphasis on the relationship between digital photography, its purpose in an environmental situation, focusing on city and urban issues of media placement in an internationalised professional context.

This course not only recognises the technological change brought about by digital advances in photography, but responds to actual and potential directions in which technological change impacts upon photography, the production of imagery and their applications in the real and virtual worlds.

Accordingly, the course balances practical skills with theoretical underpinnings, ethics and creative speculation. All studio subjects are project based and rely on professional practice in their requirements, giving students the capacity to handle the expectations of professional life.

Course aims

This degree equips graduates to engage in the broad, international scope of photographic careers. Students graduate with skills of self-reflection in their practice, critical engagement with and responses to social and cultural issues, and a broad understanding of research practices.

Students also gain an understanding of new technologies for image and sound production, and new ways of approaching media in the environment. They also learn a different language and culture and travel overseas.

Career options

Career options include employment or self-employment in exhibition media, installation, interactive media and advertising, photographic lighting, photographic technical and digital workflow practice, photojournalism and traditional commercial photography.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points of study, comprising 144 credit points relating to photography and situated media and 96 credit points relating to international studies.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90086	Sub-major options	24cp
CBK90814	Elective choice	24cp
STM90707	Core subjects	54cp
CBK90005	Country major choice	96cp
STM90580	Core subjects (PSM + SMD)	42cp
		Total 240cp

Year 1

Autumn semester

80027	Photographic History and Theory	6cp
80065	Design Studio: Photographic Intervention	12cp
80064	Interaction-based Designing	6cp

Spring semester

80037	Situated Media Culture and Context	6cp
80048	Photographic Manipulation	6cp
50846	Situated Media Installation Studio	12cp

Year 2

Autumn semester

80066	Design Studio: The Digital Image		12cp
976001	Foundations in International Studies		8cp
97601	German Language and Culture 1		8cp

Spring semester

97602	German Language and Culture 2		8cp
Select one of the following:			6cp
80214	Locative and Sensor Design Technologies	6cp	
80035	Photographic Artifice	6cp	
Select 6 credit points of options			6cp

Year 3

Autumn semester

97603	German Language and Culture 3		8cp
Select one of the following:			6cp
80067	Photographic Context 1	6cp	
85500	Design Futures: Creative Technologies	6cp	
Select one of the following:			6cp
80068	Photographic Context 2	6cp	
80034	Physical and Tangible Media Interfaces for Design Expression	6cp	
Select 6 credit points of options			6cp

Spring semester

80046	Smart Object Studio		12cp
97604	German Language and Culture 4		8cp
976421	Contemporary Germany		8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany		24cp

Spring semester

978420	In-country Study 2: Germany		24cp

Year 5

Autumn semester

50847	Visualisation and Sonification Studio		12cp
Select 12 credit points of options			12cp

Spring semester

80031	Graduation Exhibition		12cp
Select one of the following:			6cp
80033	Professional Practice: Photography	6cp	
80063	Professional Practice: Situated / Interactive Media	6cp	
Select 6 credit points of options			6cp

Honours

The Bachelor of Design in Photography and Situated Media (Honours) is available to eligible students with one additional year of full-time study, or equivalent part-time study.

Other information

Further information on the photography and situated media component is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10269v1 Bachelor of Sound and Music Design

Award(s): Bachelor of Sound and Music Design (BSoundMusDesign)
UAC code: 600006 (Autumn semester)
CRICOS code: 068112G
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course is the first of its kind in Australia to combine the domains of sound and music, and prepare students for new emerging domains that require the confluence of sound in design and interaction.

The course appeals to students with an interest in music, creative arts, design and technology, or multimedia. It converges creative practice (art thinking) and innovative solution (design thinking) through music and sound. It offers a unique, contemporary sound and music degree experience by merging art and technology across domains of composition, entertainment and audio technology, as well as combining features of music and audio engineering with interaction design.

Course aims

Students' learning outcomes include expression through creative practice, and technical fluency across a range of technologies.

Career options

Career options include working in sound design or production across a diverse range of media, communication and design outlets including architecture, animation, exhibition design, gaming, music, product design and web applications.

Specific examples include computer musicians, e-fashion designers, electronic music composers, information system (sonification) designers, installation artists/sound sculptors, interactive media artists, mobile/smart-phone and device audio interface designers, new media artists, new sonic interface designers, product audio designers and software interface designers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local students apply through the Universities Admissions Centre with first round applications closing 31 October, and final round closing 31 January each year.

International students

International students apply through UTS International.

Assumed knowledge

Any two units of English and computer literacy.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points, comprising 96 credit points of core subjects (includes 42 credit points of interdisciplinary studio subjects), 24 credit points of sub-majors and 24 credit points of electives.

Industrial training/professional practice

Studio-based and professional practice subjects are highly flexible, allowing students to foster their specialisation and interests through practical projects, critical review, documentation development and collaboration with industry professionals.

Course completion requirements

STM90225	Core subjects (SMD)	54cp
STM90580	Core subjects (PSM + SMD)	42cp
CBK90378	Sub-major choice (SMD)	24cp
CBK90380	Electives (SMD)	24cp
		Total 144cp

Course program

The typical program shown below is for a full-time student undertaking the Creative Practice sub-major option.

Creative Practice sub-major

Year 1

Autumn semester

STM90225		
50830	Contemporary Music 1	6cp
50831	Sonology	6cp
50832	Electronic Music Composition	6cp
STM90580		
80064	Interaction-based Designing	6cp

Spring semester

STM90225		
50833	Speech, Music, Sound	6cp
50834	Audio Production	6cp
STM90580		
50846	Situated Media Installation Studio	12cp

Year 2

Autumn semester

STM90225		
50835	Audio Culture	6cp
CBK90379		
50839	Sound for Time-based Media	6cp
Select 12 credit points of electives		12cp

Spring semester

STM90225		
50837	Contemporary Music 2	6cp
STM90580		
80046	Smart Object Studio	12cp
CBK90379		
50843	Live Sound	6cp

Year 3

Autumn semester

STM90580		
50847	Visualisation and Sonification Studio	12cp
CBK90379		
50844	Musical Instrument Design	6cp
Select 6 credit points of electives		6cp

Spring semester

STM90225		
50836	Sonic Art	6cp
50838	Professional Practice (SMD)	6cp
CBK90379		
50842	Electro-acoustic Composition	6cp
Select 6 credit points of electives		6cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10270v1 Bachelor of Sound and Music Design Bachelor of Arts in International Studies

Award(s): Bachelor of Sound and Music Design (BSoundMusDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609296 (Autumn semester)
CRICOS code: 068113G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course is the first of its kind to combine the domains of sound and music, and prepare students for new emerging domains that require the confluence of sound in design and interaction. The degree integrates the study of sound and music with a major in the language and culture of another country.

The course appeals to students with an interest in music, creative arts, design and technology or multimedia. It converges creative practice (art thinking) and innovative solution (design thinking) through music and sound. It offers a unique, contemporary sound and music degree experience by merging art and technology across domains of composition, entertainment and audio technology, as well as combining features of music and audio engineering with interaction design. The course may also appeal to students who want an international study experience or are aiming for an international career.

Course aims

Students' learning outcomes include expression through creative practice, and technical fluency across a range of technologies. The course also provides an opportunity to acquire knowledge and understanding of another language and culture.

Career options

Career options include working in sound design or production across a diverse range of media, communication and design outlets including architecture, animation, exhibition design, gaming, music, product design and web applications.

Specific examples include computer musicians, e-fashion designers, electronic music composers, information system (sonification) designers, installation artists/sound sculptors, interactive media artists, mobile/smart-phone and device audio interface designers, new media artists, new sonic interface designers, product audio designers and software interface designers. Career options are enhanced by international experience.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is based on merit in accordance with faculty admission requirements. There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local students apply through the Universities Admissions Centre with first round applications closing 31 October, and final round closing 31 January each year.

International students

International students apply through UTS International.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in sound and music design and 96 credit points in international studies. The sound and music design component is made up of 96 credit points of core subjects (includes 42 credit points of interdisciplinary studio subjects), 24 credit points of sub-majors and 24 credit points of electives. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Studio-based and professional practice subjects are highly flexible, allowing students to foster their specialisation and interests through practical projects, critical review, documentation development and collaboration with industry professionals.

Course completion requirements

STM90225	Core subjects (SMD)	54cp
STM90580	Core subjects (PSM + SMD)	42cp
CBK90378	Sub-major choice (SMD)	24cp
CBK90380	Electives (SMD)	24cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

The typical program shown below is for a full-time student undertaking the Creative Practice sub-major in the sound and music design component and the Germany major as their international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Germany major, Creative Practice sub-major

Year 1

Autumn semester

STM90225		
50830	Contemporary Music 1	6cp
50831	Sonology	6cp
50832	Electronic Music Composition	6cp
STM90580		
80064	Interaction-based Designing	6cp

Spring semester

STM90225		
50833	Speech, Music, Sound	6cp
50834	Audio Production	6cp
STM90580		
50846	Situated Media Installation Studio	12cp

Year 2

Autumn semester

STM90225		
50835	Audio Culture	6cp
CBK90005		
97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
CBK90379		
50839	Sound for Time-based Media	6cp

Spring semester

CBK90379		
50843	Live Sound	6cp
CBK90005		
97602	German Language and Culture 2	8cp
STM90580		
80046	Smart Object Studio	12cp

Year 3

Autumn semester

STM90580		
50847	Visualisation and Sonification Studio	12cp
CBK90005		
97603	German Language and Culture 3	8cp
CBK90379		
50844	Musical Instrument Design	6cp

Spring semester

CBK90005		
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
STM90225		
50836	Sonic Art	6cp
CBK90379		
50842	Electro-acoustic Composition	6cp

Year 4

Autumn semester

CBK90005		
977420	In-country Study 1: Germany	24cp

Spring semester

CBK90005		
978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

STM90225		
50837	Contemporary Music 2	6cp
Select 12 credit points of electives		12cp

Spring semester

STM90225		
50838	Professional Practice (SMD)	6cp
Select 12 credit points of electives		12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C10271v1 Bachelor of Design in Interior and Spatial Design

Award(s): Bachelor of Design in Interior and Spatial Design (BDesign)
UAC code: 602060 (Autumn semester)
CRICOS code: 071631C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Note(s)

The mid-year intake for this course is only for students transferring from C10057.

Overview

With a strong emphasis on creativity and technology, the Bachelor of Design in Interior and Spatial Design is the first university program of its kind in Australia. While interior design is an established profession, spatial design encompasses a range of connected practices that engage directly and creatively with space, from designing an exhibition to art directing a performance.

The course equips graduates with critical thinking, spatial intelligence, creativity and the skills to engage across the expanded field of interior and spatial design, to take up leading roles in industry. Uniquely, this course emphasises digital and analogue technologies of representation and fabrication, internationalisation and design practice.

Course aims

Through their study, students develop spatial intelligence and excellence in design practice. The program fosters a creative and explorative attitude toward the design process, underpinned by a reflective and critical engagement. In doing so, students generate a cohesive design approach where research and practice are consolidated in design outcomes.

The course cultivates a collaborative and global vision of design through a variety of interdisciplinary subjects, industry projects and international studios. Students develop the flexibility and confidence to work in the divergent and novel environments of contemporary practice.

The course has:

- an emphasis on creative, innovative spatial practice and international networks
- practice-oriented and research-integrated learning around specific projects
- engagement with innovative and creative technologies
- an emphasis on emerging design practices, and
- close links with creative practitioners.

Students are expected to develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

Career options

Career options include commercial and residential interior design, interactive and responsive environment design, museum and exhibition design, production design for film and television, theatre and performance design, and visual and spatial branding.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a three-year, full-time basis. There are generally up to 20 contact hours a week. Lectures and studios are on campus during semester.

Course structure

Students must complete 144 credit points comprising 96 credit points of core subjects, a 24-credit-point sub-major and 24 credit points of electives.

Course completion requirements

STM90724	Core subjects (Interior and Spatial Design)	96cp
CBK90822	Sub-major choice	24cp
CBK90823	Elective choice	24cp
		Total 144cp

Course program

An example program is provided below.

Year 1

Autumn semester

86004	Design Studio: Foundations in Spatial Language	12cp
86008	Context: Image and Making (Representation)	6cp
85503	Design Thinking	6cp

Spring semester

85502	Researching Design History	6cp
86005	Design Studio: Foundations in Spatial Design	12cp
86009	Context: Image and Making (Generative Methods)	6cp

Year 2

Autumn semester

86529	Design Studio: Inhabitations	12cp
86114	Context: Inhabitations	6cp
Select 6 credit points of electives		6cp

Spring semester

86113	Context: Experimentations	6cp
Select 12 credit points from the following options:		12cp
86112	Design Studio: Experimentations	12cp
86530	Design Studio: Performative Spaces 1	12cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

86221	Context: Explorations	6cp
Select 12 credit points from the following options:		12cp
86531	Design Studio: Explorations	12cp
86533	Design Studio: Performative Spaces 2	12cp
Select 6 credit points of electives		6cp

Spring semester

86222	Context: Interdisciplinary	6cp
86223	Design Studio: Industry	12cp
Select 6 credit points of electives		6cp

Honours

The Bachelor of Design (Honours) in Interior and Spatial Design (C09055) (see page 123) is available to meritorious students with an additional one year of full-time study.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10272v1 Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies

Award(s): Bachelor of Design in Interior and Spatial Design (BDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609280 (Autumn semester)
CRICOS code: 071646G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

The mid-year intake for this course is only for students transferring from C10058.

Overview

With a strong emphasis on creativity and technology, the Bachelor of Design in Interior and Spatial Design is the first university program of its kind in Australia. While interior design is an established profession, spatial design encompasses a range of connected practices that engage directly and creatively with space, from designing an exhibition to art directing a performance.

The combined degree program in design and international studies provides students with additional practical skills, in particular those that make them aware of the international contexts of design, by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

The course equips graduates with critical thinking, creativity and the skills to engage across the expanded field of interior and spatial design, to take up leading roles in industry. Uniquely, this course emphasises digital technologies of representation and fabrication, internationalisation and design practice. Students also learn a different language and culture, and travel overseas.

Course aims

Through their study, students develop spatial intelligence and excellence in design practice. The program fosters a creative and explorative attitude toward the design process, underpinned by a reflective and critical engagement. In doing so, students generate a cohesive design approach where research and practice are consolidated in design outcomes.

The course cultivates a collaborative and global vision of design through a variety of interdisciplinary subjects, industry projects and international studios. Students develop the flexibility and confidence to work in the divergent and novel environments of contemporary practice.

The course has:

- an emphasis on creative, innovative spatial practice and international networks
- practice-oriented and research-integrated learning around specific projects
- engagement with innovative and creative technologies
- an emphasis on emerging design practices, and
- close links with creative practitioners.

Students are expected to develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

The aim of this combined degree is to produce graduates who have developed perspectives and understandings that enable them to meet the professional demands of an internationalised marketplace.

Career options

Career options include commercial and residential interior design, interactive and responsive environment design, museum and exhibition design, production design for film and television, theatre and performance design, and visual and spatial branding.

Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course is offered on a five-year, full-time basis. There are generally up to 20 contact hours a week. Lectures and studios are on campus during semester. Semesters are focused around design studios that incorporate advanced communication and technology skills with innovative design thinking and practice.

Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points comprising 96 credit points of core subjects, a 24-credit-point sub-major, 24 credit points of electives in interior and spatial design, and 96 credit points of international studies subjects.

Overseas study

Students spend their fourth year of study at a university overseas.

Course completion requirements

CBK90822	Sub-major choice	24cp
CBK90823	Elective choice	24cp
STM90724	Core subjects (Interior and Spatial Design)	96cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

An example program is shown below for students commencing in Autumn semester and undertaking the course with the Germany major as the international studies major.

Year 1

Autumn semester

86004	Design Studio: Foundations in Spatial Language	12cp
86008	Context: Image and Making (Representation)	6cp
85503	Design Thinking	6cp

Spring semester

86005	Design Studio: Foundations in Spatial Design	12cp
86009	Context: Image and Making (Generative Methods)	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp
Select 6 credit points of electives		6cp

Spring semester

97602	German Language and Culture 2	8cp
86114	Context: Inhabitations	6cp
86112	Design Studio: Experimentations	12cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
86529	Design Studio: Inhabitations	12cp
86113	Context: Experimentations	6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

86221	Context: Explorations	6cp
86531	Design Studio: Explorations	12cp

Select 6 credit points of electives 6cp

Spring semester

86222	Context: Interdisciplinary	6cp
86223	Design Studio: Industry	12cp

Select 6 credit points of electives 6cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10273v1 Bachelor of Design in Animation

Award(s): Bachelor of Design in Animation (BDesign)
UAC code: 602035 (Autumn semester)
CRICOS code: 074703A
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

This course offers a practice-based approach to learning animation and places strong emphasis on two key concepts: dramatisation (including performance and character) and VFX (visual effects) design. It teaches students how to conceptualise, visualise and realise animation across many different types of media. Central to the course is the development of a conceptual understanding of performance, narrative, characterisation, form, motion, time, space and aesthetics.

The course has a strong emphasis on drawing and image-making, dramatisation, physical movement and expression, teaching a full range of animation techniques and skills in industry-standard facilities.

Through a variety of interdisciplinary subjects, industry-focused projects and international studios, students develop the flexibility and confidence to work in the diverse environments of contemporary practice.

The course focuses on a set of animation studios that concentrate student learning through design projects. The animation studios integrate practice-oriented learning that allows time for a high level of individual presentation and in-depth consultation, complemented by a series of related context subjects that spans drawing and 2D animation practices to 3D and 2D digital practices.

Course aims

This course gives students skills and an outlook that extends beyond the university, and cultivates a collaborative and global vision of design. As part of the ongoing development of key industry innovators, the course aims to create new approaches to 2D and 3D animation and VFX design, enabling graduates to better develop, adapt and respond to a range of creative partnerships and collaborations.

Students develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

Career options

This course opens up animation careers in film, television, and online and mobile application design. Career options include director, producer, storyboard artist, previsualisation (previs) artist, layout artist, concept artist, production designer, art director, character designer, animator, modeller, rigger, motion capture designer, lighting designer, matchmover/3D tracker, effects (FX) animator, roto designer, compositor, stop frame model animator (claymation), and animation scriptwriter.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a three-year, full-time or part-time equivalent basis.

Course structure

Students must complete 144 credit points made up of 96 credit points of core subjects, a 24-credit-point sub-major and 24 credit points of electives.

Course completion requirements

STM90740	Core subjects	96cp
CBK90837	Elective choice	24cp
CBK90836	Sub-major choice	24cp
		Total 144cp

Course program

A typical full-time program is shown below.

Year 1

Autumn semester

82120	Animation Studio: Foundations in Animation Language	12cp
82121	Context: 2D Animation Introduction	6cp
85503	Design Thinking	6cp

Spring semester

82220	Animation Studio: Foundations in Animation Design	12cp
82221	Context: 3D Animation Introduction	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

82320	Animation Studio: Narrative Investigations	12cp
82321	Context: 3D Modelling and Rigging Introduction	6cp

Select 6 credit points of electives 6cp

Spring semester

82420	3D Modelling and Rigging Advanced		6cp
Select 12 credit points from the following options:			12cp
88211	Animation Studio: Narrative Experimentations	12cp	
88201	Animation Studio: VFX Design Introduction	12cp	
Select 6 credit points of electives			6cp

Year 3

Autumn semester

82520	Context: Design for Three-dimensional Computer Animation		6cp
Select 12 credit points from the following options:			12cp
88212	Animation Studio: Animation Practice	12cp	
88202	Animation Studio: VFX Design Advanced	12cp	
Select 6 credit points of electives			6cp

Spring semester

82621	Context: Experimentations for Animation and VFX	6cp
88212	Animation Studio: Animation Practice	12cp
Select 6 credit points of electives		6cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10274v1 Bachelor of Design in Animation Bachelor of Arts in International Studies

Award(s): Bachelor of Design in Animation (BDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609258 (Autumn semester)
CRICOS code: 074704M
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This course offers a practice-based approach to learning animation and places strong emphasis on two key concepts: dramatisation (including performance and character) and VFX (visual effects) design. It teaches students how to conceptualise, visualise and realise animation across many different types of media. Central to the course is the development of a conceptual understanding of performance, narrative, characterisation, form, motion, time, space and aesthetics.

The combined degree program provides students with additional practical skills, in particular skills that make them aware of the international contexts of animation design, by providing them with the opportunity to acquire knowledge of a language and culture other than English.

This course has a strong emphasis on drawing and image-making, dramatisation, physical movement and expression, teaching a full range of animation techniques and skills in industry-standard facilities.

Through a variety of interdisciplinary subjects, industry-focused projects and international studios, students develop the flexibility and confidence to work in the diverse environments of contemporary practice.

The course focuses on a set of animation studios that concentrate student learning through design projects. The animation studios integrate practice-oriented learning that allows time for a high level of individual presentation and in-depth consultation, complemented by a series of related context subjects that spans drawing and 2D animation practices to 3D and 2D digital practices.

The international experience enhances career options, making students more marketable to prospective employers.

Course aims

This course gives students skills and an outlook that extend beyond the university, and cultivate a collaborative and global vision of design. As part of the ongoing development of key industry innovators, the course aims to create new approaches to 2D and 3D animation and VFX design, enabling graduates to better develop, adapt and respond to a range of creative partnerships and collaborations.

Students develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

This combined degree produces graduates who have developed perspectives and skills that enable them to meet the professional demands of an international marketplace.

Career options

This course opens up international animation careers in film, television, and online and mobile application design. Career options include director, producer, storyboard artist, previsualisation (previs) artist, layout artist, concept artist, production designer, art director, character designer, animator, modeller, rigger, motion capture designer, lighting designer, matchmover/3D tracker, effects (FX) animator, roto designer, compositor, stop frame model animator (claymation), and animation scriptwriter.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a five-year, full-time basis.

Course structure

Students must complete 240 credit points made up of 144 credit points in animation and 96 credit points in international studies.

Course completion requirements

CBK90837	Elective choice	24cp
CBK90836	Sub-major choice	24cp
STM90740	Core subjects	96cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

An example program is provided below for a student commencing in Autumn semester and undertaking the course with the Germany major as the international studies major.

Year 1

Autumn semester

86004	Design Studio: Foundations in Spatial Language	12cp
86008	Context: Image and Making (Representation)	6cp
85503	Design Thinking	6cp

Spring semester

86005	Design Studio: Foundations in Spatial Design	12cp
86009	Context: Image and Making (Generative Methods)	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp
Select 6 credit points of electives		6cp

Spring semester

97602	German Language and Culture 2	8cp
86114	Context: Inhabitations	6cp
86529	Design Studio: Inhabitations	12cp

Year 3

Autumn semester

97603	German Language and Culture 3	8cp
86112	Design Studio: Experimentations	12cp
86113	Context: Experimentations	6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

86221	Context: Explorations	6cp
86531	Design Studio: Explorations	12cp

Select 6 credit points of electives 6cp

Spring semester

86222	Context: Interdisciplinary	6cp
86223	Design Studio: Industry	12cp

Select 6 credit points of electives 6cp

Other information

Further information on the animation component is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10300v2 Bachelor of Sport and Exercise Science

Award(s): Bachelor of Sport and Exercise Science (BSportExSc)
UAC code: 606020 (Autumn semester)
CRICOS code: 080087C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Overview

The Bachelor of Sport and Exercise Science meets the demand for professionals able to provide physical activity services to all sectors of the community.

The course provides students with a strong understanding of the processes and mechanisms underlying sport and exercise science, and with the knowledge and skills necessary to manage and plan sport and exercise activities in health, rehabilitation, leisure, event and education contexts.

Students who complete this course with the Health and Physical Education major (HPE) are eligible for direct entry into the Bachelor of Teaching in Secondary Education (C08002) (see page 521) offered by UTS: Education. This course is formally accredited with the NSW Institute of Teachers and provides HPE students with the opportunity to complete two degrees.

Course aims

The Bachelor of Sport and Exercise Science aims to provide graduates with the necessary skills to gain initial employment in the human movement field, as well as the analytical skills necessary for critical appraisal of developments in the field.

Career options

Career options include sport and exercise science; corporate health and wellbeing; strength and conditioning; personal training; physiotherapy (pathway); exercise rehabilitation; sports coaching; teaching; health and physical education (HPE); outdoor education; and facility management.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

This course is also available to mature-aged applicants where preference is given to those with vocational experience in the broad field of human movement.

Non-current school leavers should submit a personal statement to UTS by 30 November 2013. Further information is available from:

www.uts.edu.au/future-students/undergraduate/essential-information/applying

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Credit recognition

After admission, students may apply for credit recognition in subjects in which they consider themselves eligible. Equivalence of subject matter is the main criterion for the award of credit recognition in a subject successfully completed at another institution.

Course duration and attendance

The course is available on a three-year, full-time basis. Students should be aware that they may be required to attend evening classes.

This course is currently offered at Kuring-gai campus only.

Course structure

Students must complete at least 144 credit points over 24 subjects.

Students choose four electives, appropriate to their chosen career, to complement the core subjects in the degree. Students studying to be a physical education teacher must take the performance studies subjects as electives.

Industrial training/professional practice

The course has an extensive internship program.

Course completion requirements

STM90825	Sport and Exercise Science core stream	96cp
CBK90911	Sport and Exercise Science Year 3 choice	48cp
		Total 144cp

Course program

The course programs below include two years of common core subjects with a choice of major (or no specified major) in the third year. Year 3 options are chosen from CBK90911 Sport and Exercise Science Year 3 choice.

Exercise Science major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp

Spring semester

92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp

Year 3

Autumn semester

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
92555	Motor Learning and Control	6cp
Select 6 credit points of electives		6cp

Spring semester

92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
92562	Exercise Rehabilitation	6cp
Select 6 credit points of electives		6cp

Health and Physical Education major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp

Spring semester

92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp

Year 3

Autumn semester

92553	Complex Exercise Management	6cp
92558	Performance Studies 1: Gymnastics and Dance	6cp
92559	Performance Studies 2: Dance and Athletics	6cp
Select 6 credit points of electives		6cp

Spring semester

92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
92560	Performance Studies 3: Sport and Aquatics	6cp
Select 6 credit points of electives		6cp

No specified major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp

Spring semester

92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp

Year 3

Autumn semester

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
Select 12 credit points of electives		12cp

Spring semester

92563	Applied Exercise Physiology	6cp
92565	Skill Acquisition	6cp
Select 12 credit points of electives		12cp

Honours

The Bachelor of Sport and Exercise Science (Honours) (C09057) (see page 124) is available to eligible students with an additional year of full-time study, or two years of part-time study.

Further study at UTS

Students who complete this course are eligible for direct entry into the Bachelor of Teaching in Secondary Education (HPE major) (C08002) (see page 521) offered by UTS: Education. This course is formally accredited with the NSW Institute of Teachers and provides HPE students with the opportunity to complete two degrees.

Professional recognition

NSW Department of Education and Training (for those students who go on to complete the Bachelor of Teaching in Secondary Education).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C10301v2 Bachelor of Sport and Exercise Management

Award(s): Bachelor of Sport and Exercise Management (BSportExM)
UAC code: 606030 (Autumn semester)
CRICOS code: 080086D
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Overview

This course develops graduates who possess a sound knowledge of the biophysical, behavioural and sociocultural foundations of sport and exercise, combined with the management skills and knowledge increasingly necessary in sport and exercise professions.

As the sport and exercise industry has undergone a period of substantial growth, the need for professionals with management skills and qualifications has become increasingly important. Graduates are equipped with the professional knowledge and skills to operate in one of Australia's most dynamic industries.

Career options

Career options include athlete management, corporate health and fitness, fitness consultant, health promotion, sport development manager, sport event manager, sport marketing, sport policy, sport scientist, sport venue manager.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Non-current school leavers are strongly advised to submit a personal statement directly to UTS by 30 November 2013. Further information is available from:

www.uts.edu.au/future-students/undergraduate/essential-information/applying

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Credit recognition

After admission, students may apply for credit recognition in subjects in which they consider themselves eligible. Equivalence of subject matter is the main criterion for credit recognition in a subject successfully completed at another institution.

Course duration and attendance

The course is taught on a full-time basis. The normal time for completion is three years. Students are required to attend some evening classes as part of their program of study.

This course is currently offered at Kuring-gai campus only.

Course structure

Students must complete 144 credit points comprising 24 subjects, made up of 20 core subjects and four elective subjects.

Industrial training/professional practice

The course has an extensive internship program.

Course completion requirements

STM90829	Sport and Exercise Management core subjects stream	120cp
CBK90915	Sport and Exercise Management electives	24cp
		Total 144cp

Course program

A typical course program is shown below.

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
21129	Managing People and Organisations	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
22107	Accounting for Business Decisions A	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp
27307	Sport Management	6cp

Spring semester

92543	Exercise Prescription	6cp
92547	Nutrition for Health and Physical Activity	6cp
24108	Marketing Foundations	6cp
27703	Event Management	6cp

Year 3

Autumn semester

27350	Professional Internship (Capstone)	6cp
92553	Complex Exercise Management	6cp
Select 12 credit points of electives		12cp

Spring semester

27161	Sport Marketing	6cp
27628	Law for Leisure, Sport and Tourism	6cp
Select 12 credit points of electives		12cp

Honours

The Bachelor of Sport and Exercise Management (Honours) (C09058) (see page 125) is available to eligible students with an additional one year of full-time, or two years of part-time study.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C10302v2 Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies

Award(s): Bachelor of Sport and Exercise Science (BSportExSc)
Bachelor of Arts in International Studies (BA)
UAC code: 609080 (Autumn semester)
CRICOS code: 080084F
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: Kuring-gai campus

Overview

The Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies is offered jointly by UTS: Health and UTS: International Studies. The degree integrates human movement studies with a major in the language and culture of another country.

The course provides students with a strong understanding of the processes and mechanisms underlying sport and exercise science, and with the knowledge and skills necessary to manage and plan sport and exercise activities in health, rehabilitation, leisure, event and education contexts.

Students who complete this course with the Health and Physical Education major (HPE) are eligible for direct entry into the Bachelor of Teaching in Secondary Education (C08002) (see page 521) offered by UTS: Education. This course is formally accredited with the NSW Institute of Teachers and provides HPE students with the opportunity to complete two degrees.

Career options

Career options include exercise therapy and teaching of personal development, fitness and corporate health, facility management, health, physical education and outdoor education, sport coaching, sport development, sport management, and sports science and team conditioning. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Sport and Exercise Science (C10300) (see page 295). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Credit recognition

For credit recognition, see the Bachelor of Sport and Exercise Science (C10300) (see page 295).

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points of study, comprising 144 credit points relating to human movement and 96 credit points relating to international studies. For full details of the Bachelor of Sport and Exercise Science component of the combined degree, refer to the Bachelor of Sport and Exercise Science (C10300) (see page 295). The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

This course has a professional internship component that includes a minimum of six weeks' work experience.

Course completion requirements

STM90825	Sport and Exercise Science core stream	96cp
CBK90911	Sport and Exercise Science Year 3 choice	48cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

The typical program shown below is for a full-time student who has chosen the Germany major as their international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Exercise Science major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92536	Research Methods for Sport and Exercise	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

92543	Exercise Prescription	6cp
92547	Nutrition for Health and Physical Activity	6cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
97603	German Language and Culture 3	8cp

Spring semester

92542	Applied Biomechanics	6cp
92544	Health Promotion	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
92555	Motor Learning and Control	6cp
Select 6 credit points of electives		6cp

Spring semester

92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
92562	Exercise Rehabilitation	6cp
Select 6 credit points of electives		6cp

Health and Physical Education major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92536	Research Methods for Sport and Exercise	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

92543	Exercise Prescription	6cp
92547	Nutrition for Health and Physical Activity	6cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
97603	German Language and Culture 3	8cp

Spring semester

92542	Applied Biomechanics	6cp
92544	Health Promotion	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

92553	Complex Exercise Management	6cp
92558	Performance Studies 1: Gymnastics and Dance	6cp
92559	Performance Studies 2: Dance and Athletics	6cp

Select 6 credit points of electives 6cp

Spring semester

92560	Performance Studies 3: Sport and Aquatics	6cp
92563	Applied Exercise Physiology	6cp
92565	Skill Acquisition	6cp

Select 6 credit points of electives 6cp

No specified major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92536	Research Methods for Sport and Exercise	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

92543	Exercise Prescription	6cp
92547	Nutrition for Health and Physical Activity	6cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
97603	German Language and Culture 3	8cp

Spring semester

92542	Applied Biomechanics	6cp
92544	Health Promotion	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp

Select 12 credit points of electives 12cp

Spring semester

92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp

Select 12 credit points of electives 12cp

Further study at UTS

Students who complete the Bachelor of Sport and Exercise Science with the HPE stream are guaranteed entry into the Bachelor of Teaching in Secondary Education (C08002) (see page 521) with a Health and Physical Education (HPE) major. Students in the Bachelor of Teaching in Secondary Education are granted 72 credit points of exemptions in credit recognition and are required to complete 72 credit points of study which may be undertaken in one year of intensive full-time study. Refer to C08002 for further details.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

www.internationalstudies.uts.edu.au

C10303v2 Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies

Award(s): Bachelor of Sport and Exercise Management (BSportExM)
Bachelor of Arts in International Studies (BA)
UAC code: 609085 (Autumn semester)
CRICOS code: 080085E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: Kuring-gai campus

Note(s)

Students who commenced this program prior to 2007 should consult with the undergraduate course director on transition arrangements arising from changes to the Bachelor of Sport and Exercise Management (C10301) (see page 297), which became effective in Autumn semester 2007.

Overview

This course is offered jointly by UTS: Health and UTS: International Studies. It integrates the study of sport and exercise management with a major in the language and culture of another country.

As the sport and exercise industry has undergone a period of substantial growth, the need for professionals with management skills and qualifications has become increasingly important. Graduates are equipped with the professional knowledge and skills to operate in one of Australia's most dynamic industries.

Career options

Career options include corporate health and fitness manager, events manager, exercise therapist, health and fitness consultant, sport coach, sport development officer, sport manager, sport marketing coordinator or sporting facility manager. Career options are enhanced by international experience, making students more marketable to prospective employers.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Sport and Exercise Management (C10301) (see page 297). There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

There are no prior language requirements for the international studies program (see page 90).

Credit recognition

For credit recognition, see the Bachelor of Sport and Exercise Management (C10301) (see page 297).

Course duration and attendance

The course is offered as a full-time program over five years. Students spend two semesters of study at a university or other higher education institution in the country of their major. The international studies component of the course is mainly offered at City campus.

Course structure

Students must complete 240 credit points of study, comprising 144 credit points relating to management in sport and exercise and 96 credit points relating to international studies. For full details of the Bachelor of Sport and Exercise Management component of the combined degree, refer to the Bachelor of Sport and Exercise Management (C10301) (see page 297). The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

This course has a professional internship component that includes a minimum of six weeks' work experience.

Course completion requirements

STM90829	Sport and Exercise Management core subjects stream	120cp
CBK90915	Sport and Exercise Management electives	24cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

The typical program shown below is for a full-time student who has chosen the Germany major as their international studies major. Other countries may be chosen from the list of majors in CBK90005; the program has the same structure but with subjects specific to the chosen country major.

Typical full-time program

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
21129	Managing People and Organisations	6cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
22107	Accounting for Business Decisions A	6cp
27252	The Sport Industry	6cp

Year 2

Autumn semester

92533	Exercise Physiology	6cp
92536	Research Methods for Sport and Exercise	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

92543	Exercise Prescription	6cp
92547	Nutrition for Health and Physical Activity	6cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

92535	Sport and Exercise Psychology	6cp
27307	Sport Management	6cp
97603	German Language and Culture 3	8cp

Spring semester

24108	Marketing Foundations	6cp
27703	Event Management	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

27350	Professional Internship (Capstone)	6cp
92553	Complex Exercise Management	6cp
Select 12 credit points of electives		12cp

Spring semester

27161	Sport Marketing	6cp
27628	Law for Leisure, Sport and Tourism	6cp
Select 12 credit points of electives		12cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

www.internationalstudies.uts.edu.au

C10304v1 Bachelor of Design in Integrated Product Design

Award(s): Bachelor of Design in Integrated Product Design (BDesign)
UAC code: 602050 (Autumn semester)
CRICOS code: 077331M
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

Integrated product design expands on the traditional field of industrial design to reflect the changed realities of the globalised design profession. The course offers a practice-based approach to learning through the integration of digital and analogue technologies across the broad field of integrated product design, as well as the potential for specialisation within highly contemporary and innovative integrated product design practices.

With a strong emphasis on creativity and technology, graduates move seamlessly from the design of material objects to the design of associated services together with the skills to maintain a specialist role within an interdisciplinary team. Structured around design studios, this dynamic course allows specialisations such as interaction design, smart object design, interactive product design, system design. The design studio integrates practice-orientated learning around specific projects.

Course aims

The course aims to support and foster a creative and explorative attitude toward the design process. It equips its graduates with the ability to effectively function on the international stage with ease and success, with the communication skills that allow them to operate across cultures, languages and location.

The course takes an experimental and hybrid approach to the integration of networked digital technologies into the design of products and systems. Students gain an integrated approach and understanding of how to conceptualise, visualise and realise products, services and/or systems as a design professional.

Innovation and experimentation is underpinned by theoretical, historical and contextual studies to facilitate students' development in both the conceptual and technical design skills required to work within the broader integrated product design field, and its specialist areas.

Throughout each stage, the course requires students to develop an understanding of their own design language and theoretical position in relation to historic and contemporary contexts.

Career options

Career options include corporate or in-house designer, design consultant, production manager, industrial designer, interaction designer, designer of smart objects, interactive product designer, system designer, furniture, product or accessories designer, design communication professional, design researcher, commercialisation professional.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

This course is offered on a three-year, full-time basis.

Course completion requirements

STM90788	Core subjects	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
CBK90871	Sub-major options	24cp
		Total 144cp

Course program

A typical program is shown below.

Year 1

Autumn semester

84610	Inside Design	6cp
84111	Understanding Three-dimensional Form	6cp
84116	Integrated Product Design Communications	6cp
85503	Design Thinking	6cp

Spring semester

84611	Design Thinking in Integrated Product Design	6cp
84117	Integrated Product Design Digital Communication	6cp
84118	Informing Integrated Product Design	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

84711	User-Centred Design	12cp
84710	Research Methods in Integrated Product Design	6cp
Select 6 credit points of electives		6cp

Spring semester

85202	Interdisciplinary Lab A	6cp
Select 12 credit points from the following options:		12cp
CBK90871	Sub-major options	24cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

85302	Interdisciplinary Lab B	6cp
84811	Smart Design	12cp
Select 6 credit points of electives		6cp

Spring semester

84813	Integrated Product Design Professional Communication	6cp
Select 12 credit points from the following options:		12cp
CBK90871	Sub-major options	24cp
Select 6 credit points of electives		6cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10305v1 Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies

Award(s): Bachelor of Design in Integrated Product Design (BDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609270 (Autumn semester)
CRICOS code: 077333J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

Integrated product design expands on the traditional field of industrial design to reflect the changed realities of the globalised design profession. The course offers a practice-based approach to learning through the integration of digital and analogue technologies across the broad field of integrated product design, as well as the potential for

specialisation within highly contemporary and innovative integrated product design practices.

The combined degree provides additional practical skills, in particular skills that make students aware of the international contexts of design, by providing them with the opportunity to acquire knowledge of a language and culture other than English.

With a strong emphasis on creativity and technology, graduates move seamlessly from the design of material objects to the design of associated services together with the skills to maintain a specialist role within an interdisciplinary team.

Structured around design studios, this dynamic course allows specialisations like interaction design, smart object design, interactive product design, and system design. The design studio integrates practice-orientated learning around specific projects.

The international experience enhances career options, making students more marketable to prospective employers.

Course aims

The course aims to support and foster a creative and explorative attitude toward the design process. It equips its graduates with the ability to effectively function on the international stage with ease and success, with the communication skills that allow them to operate across cultures, languages and location.

The course takes an experimental and hybrid approach to the integration of networked digital technologies into the design of products and systems. Students form an integrated approach and understanding of how to conceptualise, visualise and realise products, services and/or systems as a design professional.

Innovation and experimentation is underpinned by theoretical, historical and contextual studies to facilitate students' development in both the conceptual and technical design skills required to work within the broader integrated product design field, and its specialist areas.

Throughout each stage, the course requires students to develop an understanding of their own design language and theoretical position in relation to historic and contemporary contexts.

A further two years of study introduce and consolidate the learning of a language and culture other than English.

Career options

Career options include corporate or in-house designer, design consultant, production manager, industrial designer, interaction designer, designer of smart objects, interactive product designer, system designer, furniture, product or accessories designer, design communication professional, design researcher, commercialisation professional.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a five-year, full-time or part-time equivalent basis.

Course completion requirements

STM90788	Core subjects	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
CBK90871	Sub-major options	24cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

A typical program is shown below.

Year 1

Autumn semester

84610	Inside Design	6cp
84111	Understanding Three-dimensional Form	6cp
84116	Integrated Product Design Communications	6cp
85503	Design Thinking	6cp

Spring semester

84611	Design Thinking in Integrated Product Design	6cp
84117	Integrated Product Design Digital Communication	6cp
84118	Informing Integrated Product Design	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
976001	Foundations in International Studies	8cp
84710	Research Methods in Integrated Product Design	6cp

Select 6 credit points of electives 6cp

Spring semester

97602	German Language and Culture 2	8cp

Select 12 credit points from the following options: 12cp

CBK90871	Sub-major options	24cp

Select 6 credit points of electives 6cp

Year 3

Autumn semester

84711	User-Centred Design	12cp
97603	German Language and Culture 3	8cp

Select 6 credit points of electives 6cp

Spring semester

85202	Interdisciplinary Lab A	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp

Select 6 credit points of electives 6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

85302	Interdisciplinary Lab B	6cp
84811	Smart Design	12cp

Spring semester

84813	Integrated Product Design Professional Communication	6cp

Select 12 credit points from the following options: 12cp

CBK90871	Sub-major options	24cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10306v1 Bachelor of Design in Fashion and Textiles

Award(s): Bachelor of Design in Fashion and Textiles (BDesign)
UAC code: 602040 (Autumn semester)
CRICOS code: 077334G
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The Bachelor of Design in Fashion and Textiles has been designed to enable students to create pathways of learning as they progress through the degree with a flexible and diverse approach to learning. Emphasis throughout this practice-based course is placed on value, innovation, creativity and responsible practice. Students should develop flexibility and confidence in working in and across the diverse environments that constitute contemporary practice.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallels the process that professionals undertake in industry. Professional practice is embedded in all fashion studios and builds on contemporary industry practice within both local and global markets. Projects are developed through both individual and group work, to simulate design team environments.

Course aims

The course is designed to provide students with an outlook and ambition that extends beyond the university, cultivating a collaborative and global vision of design. Central to the course is the integration of theory and practice in relation to fashion and textile design. Students are expected to develop an understanding of the formation and application of their own individual design language and theoretical position in relation to historical and contemporary contexts.

The first year introduces design principles and challenges design thinking. In the second year students have the opportunity to diversify according to their area of interest and strength in areas including innovation in material research, types of technologies, engaging with digital design, methods of construction, approaches to either flat patternmaking or drape.

The fashion studio and professional practice subjects in third-year have been designed to extend students' understanding of global fashion and to provide students with a choice of design projects and areas of specialisation.

Career options

Career options include buyer, fashion editor, fashion or textile designer, illustrator or stylist. Some students start their own business, while others work within an established company. Graduates may also continue studies at postgraduate level.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a three-year, full-time or part-time equivalent basis.

Course completion requirements

STM90790	Core subjects	120cp
CBK90242	Sub-major/Electives (DAB)	24cp
		Total 144cp

Course program

A typical program is shown below.

Year 1

Autumn semester

83119	Thinking Fashion	6cp
83621	Studio: Foundations in Patternmaking and Construction 1	6cp
83622	Studio: Fashion Illustration Fundamentals 1	6cp
85503	Design Thinking	6cp

Spring semester

83231	Fashion Cultures	6cp
83882	Foundations in Patternmaking and Construction 2	6cp
83233	Fashion Illustration Fundamentals 2	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

83724	Studio: Bespoke Fashion	6cp
83341	Fashion, Gender and Identity	6cp
83721	Studio: Fashion Illustration Exploration	6cp
Select 6 credit points of electives		6cp

Spring semester

83722	Studio: Body Mapping	6cp
83723	Textile Lab: New Technologies	6cp
85202	Interdisciplinary Lab A	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

83821	Studio: Men's Collection	12cp
85302	Interdisciplinary Lab B	6cp
Select 6 credit points of electives		6cp

Spring semester

83822	Studio: Women's Collection	12cp
83823	Fashion and Textiles Professional Practice	6cp
Select 6 credit points of electives		6cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10307v1 Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies

Award(s): Bachelor of Design in Fashion and Textiles (BDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609260 (Autumn semester)
CRICOS code: 077338D
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Design in Fashion and Textiles has been designed to enable students to create pathways of learning as they progress through the degree with a flexible and diverse approach to learning. Emphasis throughout this practice-based course is placed on value, innovation, creativity and responsible practice. Students should develop flexibility and confidence in working in and across the diverse environments that constitute contemporary practice.

The combined degree provides additional practical skills, in particular skills that make them aware of the international contexts of design, by providing them with the opportunity to acquire knowledge of a language and culture other than English.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallel the process that professionals undertake in industry.

Professional practice is embedded in all fashion studios and builds on contemporary industry practice within both local and global markets. Projects are developed through both individual and group work, to simulate design team environments.

The international experience enhances career options, making students more marketable to prospective employers.

Course aims

The course is designed to provide students with an outlook and ambition that extends beyond the university, cultivating a collaborative and global vision of design. Central to the course is the integration of theory and practice in relation to fashion and textile design. Students are expected to develop an understanding of the formation and application of their own individual design language and theoretical position in relationship to historical and contemporary contexts.

The first year introduces design principles and challenges design thinking. Within the second year students have the opportunity to diversify according to their area of interest and strength in areas including innovation in material research, types of technologies, engaging with digital design, methods of construction, approaches to either flat patternmaking or drape.

The fashion studio and professional practice subjects in third year have been designed to extend students' understanding of global fashion and to provide students with a choice of design projects and areas of specialisation.

A further two years of study introduce and consolidate the learning of a language and culture other than English.

Career options

Career options include buyer, fashion editor, fashion or textile designer, illustrator or stylist. Some students start their own business, while others work within an established company. Graduates may also continue studies at postgraduate level.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a five-year, full-time or part-time equivalent basis.

Course completion requirements

CBK90005	Country major choice	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
STM90790	Core subjects	120cp
		Total 240cp

Course program

A typical program is shown below.

Year 1

Autumn semester

83119	Thinking Fashion	6cp
83621	Studio: Foundations in Patternmaking and Construction 1	6cp
83622	Studio: Fashion Illustration Fundamentals 1	6cp
85503	Design Thinking	6cp

Spring semester

83231	Fashion Cultures	6cp
83882	Foundations in Patternmaking and Construction 2	6cp
83233	Fashion Illustration Fundamentals 2	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

83724	Studio: Bespoke Fashion	6cp
976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp
	Select 6 credit points of electives	6cp

Spring semester

83723	Textile Lab: New Technologies	6cp
85202	Interdisciplinary Lab A	6cp
97602	German Language and Culture 2	8cp
	Select 6 credit points of electives	6cp

Year 3

Autumn semester

83341	Fashion, Gender and Identity	6cp
83721	Studio: Fashion Illustration Exploration	6cp
97603	German Language and Culture 3	8cp
	Select 6 credit points of electives	6cp

Spring semester

83722	Studio: Body Mapping	6cp
97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
	Select 6 credit points of electives	6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

83821	Studio: Men's Collection	12cp
85302	Interdisciplinary Lab B	6cp

Spring semester

83822	Studio: Women's Collection	12cp
83823	Fashion and Textiles Professional Practice	6cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C10308v1 Bachelor of Design in Visual Communication

Award(s): Bachelor of Design in Visual Communication (BDesign)
UAC code: 602070 (Autumn semester)
CRICOS code: 077339C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The Bachelor of Design in Visual Communication offers a practice-based approach to learning visual communication. Throughout the course, the creation of new design solutions is driven by rigorous and critical exploration of methods, materiality and technology, and understanding the influence of globalisation, digitisation, complexity and interactivity.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallel the process that professionals undertake in industry.

The course is structured to allow students to focus, particularly in its second half, on areas of specialisation. Throughout all stages, the course requires students to develop an understanding of their own individual design language and theoretical position in relationship to historic and contemporary contexts.

Course aims

The course aims to support and foster a creative and explorative attitude toward the design process where research and practice are consolidated in design outcomes. It cultivates a collaborative and global vision of design. Through a variety of interdisciplinary subjects, industry projects and international studios, students develop the flexibility and confidence to work in the divergent and novel environments of contemporary visual communication practice.

Throughout the degree students progress through studies and skills development in the area of form, content, context and concept. First year introduces the key formal concerns of visual communication, including image, typography, composition and hierarchy. Second-year subjects engage more closely with content and the interdependencies of form and content. A contextual understanding of design as an outwardly focused activity is developed in third year, with closer studies of audience, society, ethics and industry.

Career options

Career options include design roles in graphic design, publishing, advertising, animation, film, television, exhibitions, government agencies, not-for-profit and corporate sectors.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a three-year, full-time basis. Students may study this program part time after consultation with the program director.

Course completion requirements

STM90791	Core subjects	120cp
CBK90242	Sub-major/Electives (DAB)	24cp
		Total 144cp

Course program

A typical program is shown below.

Year 1

Autumn semester

87631	Design Studio: Text and Image 1	12cp
87100	VC Project: Ways of Seeing	6cp
85503	Design Thinking	6cp

Spring semester

87632	Design Studio: Text and Image 2	12cp
87222	VC Project: Symbols and Systems	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

87731	Design Studio: Visual Experimentations	12cp
87441	VC Studies: Contexts of Visual Communication	6cp
	Select 6 credit points of electives	6cp

Spring semester

87443	VC Project: Typography in Context	6cp
87445	VC Project: Visualising Experience	6cp
85202	Interdisciplinary Lab A	6cp
	Select 6 credit points of electives	6cp

Year 3

Autumn semester

87831	Design Studio: Visual Communication and Strategic Design	12cp
85302	Interdisciplinary Lab B	6cp
	Select 6 credit points of electives	6cp

Spring semester

87832	Design Studio: Design Practice	12cp
87665	VC Project: The Community	6cp
	Select 6 credit points of electives	6cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10309v1 Bachelor of Design in Visual Communication Bachelor of Arts in International Studies

Award(s): Bachelor of Design in Visual Communication (BDesign)
Bachelor of Arts in International Studies (BA)
UAC code: 609290 (Autumn semester)
CRICOS code: 077341J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Design in Visual Communication offers a practice-based approach to learning visual communication. Throughout the course, the creation of new design solutions is driven by rigorous and critical exploration of methods, materiality and technology, and understanding the influence of globalisation, digitisation, complexity and interactivity.

The combined degree provides additional practical skills, in particular skills that make students aware of the international contexts of design, by providing them with the opportunity to acquire knowledge of a language and culture other than English.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallel the process that professionals undertake in industry.

The course is structured to allow students to focus, particularly in its second half, on areas of specialisation. Throughout all stages, the course requires students to develop an understanding of their own individual design language and theoretical position in relationship to historic and contemporary contexts.

The international experience enhances career options, making students more marketable to prospective employers.

Course aims

The course aims to support and foster a creative and explorative attitude toward the design process where research and practice are consolidated in design outcomes. It cultivates a collaborative and global vision of design. Through a variety of interdisciplinary subjects, industry projects and international studios, students develop the flexibility and confidence to work in the divergent and novel environments of contemporary visual communication practice.

Throughout the degree students progress through studies and skills development in the area of form, content, context and concept. First year introduces the key formal concerns of visual communication, including image, typography, composition and hierarchy. Second year subjects engage more closely with content and the interdependencies of form and content. A contextual understanding of design as an outwardly focused activity is developed in third year, with closer studies of audience, society, ethics and industry.

A further two years of study introduce and consolidate the learning of a language and culture other than English.

Career options

Career options include design roles in graphic design, publishing, advertising, animation, film, television, exhibitions, government agencies, not-for-profit and corporate sectors.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students may study this program part time after consultation with the program director. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course completion requirements

STM90791	Core subjects	120cp
CBK90005	Country major choice	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
		Total 240cp

Course program

A typical program is shown below.

Year 1

Autumn semester

87631	Design Studio: Text and Image 1	12cp
87100	VC Project: Ways of Seeing	6cp
85503	Design Thinking	6cp

Spring semester

87632	Design Studio: Text and Image 2	12cp
87222	VC Project: Symbols and Systems	6cp
85502	Researching Design History	6cp

Year 2

Autumn semester

976001	Foundations in International Studies	8cp
97601	German Language and Culture 1	8cp
87441	VC Studies: Contexts of Visual Communication	6cp
Select 6 credit points of electives		6cp

Spring semester

97602	German Language and Culture 2	8cp
87443	VC Project: Typography in Context	6cp
87445	VC Project: Visualising Experience	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

87831	Design Studio: Visual Communication and Strategic Design	12cp
97603	German Language and Culture 3	8cp
Select 6 credit points of electives		6cp

Spring semester

97604	German Language and Culture 4	8cp
976421	Contemporary Germany	8cp
85202	Interdisciplinary Lab A	6cp
Select 6 credit points of electives		6cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

87731	Design Studio: Visual Experimentations	12cp
85302	Interdisciplinary Lab B	6cp

Spring semester

87832	Design Studio: Design Practice	12cp
87665	VC Project: The Community	6cp

Other information

Further information on the visual communication component is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10310v1 Bachelor of Property Economics

Award(s): Bachelor of Property Economics (BPropEc)
CRICOS code: 079553C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The Bachelor of Property Economics is an applied degree that prepares students for a career in the dynamic global property industry. It produces highly sought-after property professionals ready to enter the workforce with qualifications fully recognised by professional and industry bodies.

Progressively more advanced subject content and assessment tasks develop students' abilities to analyse and synthesise knowledge, solve problems using critical thinking and independent judgment, and communicate knowledge and ideas clearly and coherently.

Understanding the ethical responsibilities of property professionals and demonstrating the ability to work in teams as well as independently are essential preparation for the professional workplace.

Assessment tasks entailing project-based learning, using digital information technologies, and applying theoretical concepts to real world problems, ensure that students develop adaptability, initiative, and decision-making ability.

Course aims

This course develops a broad base of knowledge of many aspects of the property industry, including central concepts of law, economics, finance, and valuation, and related fields of property management, construction, development, urban planning, and accounting, providing students with a broad and coherent understanding of property, alongside a deeper understanding of valuation and the legal, economic, and financial concepts that underpin valuation.

Career options

Career options include property valuer, property and asset manager, property market analyst, property sales and acquisitions, property developer, funds manager, and corporate real estate adviser.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

UTS: Design, Architecture and Building may consider applications based on the results of the Special Tertiary Admissions Test (STAT) if students lack academic qualifications but have extensive professional experience. The STAT is conducted through the Universities Admissions Centre.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Credit recognition

Students with prior academic or industrial experience are considered for credit recognition and may be given the opportunity to tailor their program of study in line with subjects completed previously at other institutions.

Course duration and attendance

The course is offered on a three-year, full-time or equivalent part-time basis.

Course structure

The course comprises a total of 144 credit points.

Industrial training/professional practice

In addition to attending classes, students are required to gain practical experience in appropriate professional or industrial organisations. Full-time students undertake practical studies as part of the program included in core subjects.

They are also required to gain approved professional experience in the final two full-time years of their programs. Part-time students are required to enrol each year, except Year 1, in the professional/industrial experience subject and to supply details of the experience gained.

Course completion requirements

STM90820	Core subjects (Property Economics)	120cp
CBK90242	Sub-major/Electives (DAB)	24cp
		Total 144cp

Honours

Students who achieve a minimum of a 70 per cent weighted average mark in their first two levels of study may be invited to undertake the honours program. This is taken as specialised subjects, focusing on property research and analysis, an honours research proposal and a thesis.

Professional recognition

Australian Property Institute (API); Royal Institution of Chartered Surveyors (RICS); Singapore Institute of Surveyors and Valuers (SISV)

Other information

Further information is available from:

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10311v1 Bachelor of Arts in Communication (Creative Writing)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600033 (Autumn semester, Spring semester)
CRICOS code: 079557K
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

Creative writing at UTS is a practice- and disciplinary-based program focusing on narrative, poetics, reading and literary theory. This degree develops creative writing across several genres, fosters independent and professional writing skills via workshop and lecture study, and engages critically with the broader cultural context in which creative writing is produced and read.

Students gain practical experience and theoretical engagement in the discipline of contemporary creative writing. They apply their skills across a number of key genres and narrative forms. An emphasis on critical skills leading towards the development of independent writing projects prepares students for professional practice.

Career options

Career options include editors, publishers, scriptwriters, literary agents, communication coordinators, arts and cultural administrators, copywriters, novelists, feature writers, publications officers, freelance writers, book marketing coordinators.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institution for the course listed:

- INSEARCH UTS: Diploma of Communication.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students write in diverse forms and genres, and can elect to undertake a professional placement during their course.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10037	Creative Writing	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

A typical course program is shown below for students commencing in Autumn semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Typical program, Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58121	Fictional Forms		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58216	Imagining the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58330	Narrative and Theory		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58902	Writing Through Genre		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58313	Writing Laboratory		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58331	Creative Writing Project		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Typical program, Spring commencing

Year 1

Spring semester

58101	Understanding Communication		8cp
58102	Language and Discourse		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58121	Fictional Forms		8cp
58103	Ideas in History		8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58216	Imagining the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90702	Electives	24cp	

Year 3

Autumn semester

58313	Writing Laboratory		8cp
58330	Narrative and Theory		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Spring semester

58902	Writing Through Genre		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Autumn semester

58301	Communication Practice Project		8cp
58331	Creative Writing Project		8cp
Select 8 credit points from the following options:			8cp
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10312v1 Bachelor of Arts in Communication (Creative Writing) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Arts International Studies (BA)
UAC code: 609330 (Autumn semester)
CRICOS code: 079558J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

This degree combines a professional degree with immersion in another language and culture, enhancing professional training and career options. The combined course seeks to augment the value of the Creative Writing degree by broadening awareness and understanding of another language and culture.

Students gain practical experience and theoretical engagement in the discipline of contemporary creative writing. They apply their skills across a number of key genres and narrative forms. An emphasis on critical skills leading towards the development of independent writing projects prepares students for professional practice.

Career options

Career options include editors, publishers, scriptwriters, literary agents, communication coordinators, arts and cultural administrators, copywriters, novelists, feature writers, publications officers, freelance writers, book marketing coordinators.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

External articulation

The Faculty of Arts and Social Sciences has established credit recognition packages with the following institution for the course listed:

- INSEARCH UTS: Diploma of Communication.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Students write intensively throughout the course with workshops, writing projects and have an opportunity to be involved in the *UTS Writers' Anthology*. Students can also elect to undertake a professional experience placement.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10037	Creative Writing	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

A typical course program is shown below for students commencing in Autumn semester with Germany as the chosen international studies major.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58121	Fictional Forms		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58216	Imagining the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58330	Narrative and Theory	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58902	Writing Through Genre	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58313	Writing Laboratory	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp

Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp

Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58331	Creative Writing Project	8cp

Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS http://www.ask.uts.edu.au

C10313v1 Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609006 (Autumn semester)
CRICOS code: 079559G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

This is a new course in 2014.

Overview

This course is offered jointly by UTS: Law and UTS: Communication. The course aims to assist students to develop practical experience of and theoretical engagement in the discipline of contemporary creative writing and the intersection of law and creativity. Students are prepared for a broad range of careers, including professional and legal practice, through an emphasis on critical skills to develop independent writing and foundational law studies.

The program provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements for admission as a lawyer together with the study of creative writing as a professional practice.

Students learn a range of key genres and forms, including narrative writing, creative non-fiction, poetry and poetics, and screenwriting. Students also study the 'written word' – one of the most important tools of the legal profession – and the combination of law and creative writing equips students to become effective advocates who can provide innovative and thoughtful solutions to complex problems.

Career options

Career options include media lawyer, intellectual property lawyer, solicitor, barrister, editor, publisher, scriptwriter, literary agent, communication coordinator, copywriter, novelist, feature writer, publications officer, freelance writer.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points and allows students to graduate with the separate degrees of Bachelor of Arts in Communication (Creative Writing) and Bachelor of Laws. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Creative Writing major.

Industrial training/professional practice

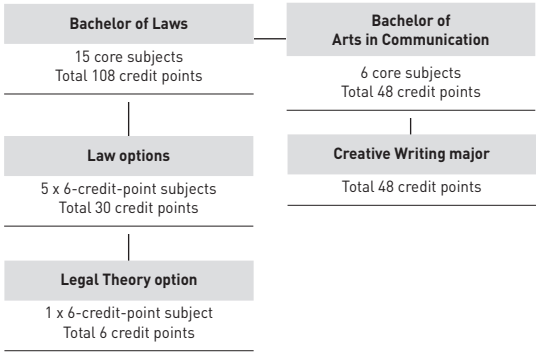
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ10037	Creative Writing	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58121	Fictional Forms		8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58216	Imagining the Real	8cp

Year 2

Autumn semester

70311	Torts		8cp
58330	Narrative and Theory		8cp
Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	

Spring semester

70114	Criminal Law and Procedure	8cp
58902	Writing Through Genre	8cp
70211	Contracts	8cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70104	Civil Practice	6cp
58313	Writing Laboratory	8cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

58331	Creative Writing Project	8cp
70327	Commercial Law	6cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp

Select 6 credit points of options 6cp

Spring semester

70617	Administrative Law	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70517	Equity and Trusts	8cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp
70417	Corporate Law	8cp
70108	Public International Law	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options 24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10314v1 Bachelor of Arts in Communication (Digital and Social Media)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600007 (Autumn semester)
CRICOS code: 079565K
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The rapidly evolving digital communications industries require practitioners who are technologically literate, culturally sophisticated, innovative and resourceful. This degree develops imaginative, synthetic and analytical capacities, as well as practical skills across diverse technological platforms.

Studies focus on capacities for imaginative, synthetic and analytical thinking and communication, as well as practical skills in digital communication across diverse technological platforms and environments. Graduates are technologically literate, analytically sophisticated, innovative and resourceful leaders for the rapidly evolving digital communications industries.

Career options

Career options include digital and social media coordinator, communications officer, digital channels strategist, social media manager.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students can elect to undertake a professional placement in industry.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10038	Digital and Social Media	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

A typical course program is shown below for students commencing in Autumn semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Autumn commencing

Year 1

Autumn semester

Select one of the following: 8cp

58101	Understanding Communication	8cp
58102	Language and Discourse	8cp

58125	User Experience Design	8cp
58103	Ideas in History	8cp

Spring semester

Select one of the following: 8cp

58102	Language and Discourse	8cp
58101	Understanding Communication	8cp

58337	Engagement, Participation, Gamification	8cp

Select 8 credit points from the following options: 8cp

CBK90701	Sub-major choice	24cp

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58335	Digital Communities		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58214	Media Writing and Production		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58338	Representing Complexity		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58339	Digital Futures		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS http://www.ask.uts.edu.au

C10315v1 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Arts International Studies (BA)
UAC code: 609298 (Autumn semester)
CRICOS code: 079567G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This degree combines a professional degree with immersion in another language and culture, enhancing professional training and career options. The combined course seeks to augment the value of the Digital and Social Media degree by broadening awareness and understanding of another language and culture.

Studies focus on capacities for imaginative, synthetic and analytical thinking and communication, as well as practical skills in digital communication across diverse technological platforms and environments. Graduates are technologically literate, analytically sophisticated, innovative and resourceful leaders for the rapidly evolving digital communications industries.

Career options

Career options include digital and social media coordinator, digital consultant and producer, communications officer, digital channels strategist, social media manager.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Students take part in practical and applied projects throughout the course and can elect to undertake a professional placement in industry.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10038	Digital and Social Media	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

A typical course program is shown below for students commencing in Autumn semester with Germany as the chosen international studies major.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58125	User Experience Design		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58337	Engagement, Participation, Gamification		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58335	Digital Communities	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58214	Media Writing and Production	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58338	Representing Complexity	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp

Select 8 credit points from the following options: 8cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp

Select 16 credit points from the following options: 16cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Spring semester

58339	Digital Futures	8cp

Select 16 credit points from the following options: 16cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS http://www.ask.uts.edu.au

C10316v1 Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609008 (Autumn semester)
CRICOS code: 079563A
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

This is a new course in 2014.

Overview

This course aims to develop digital communications practitioners/lawyers who can produce high quality outcomes in complex collaborative digital environments, especially social media contexts. It examines a communications environment where diverse media converge, mobile and social platforms are ubiquitous, and success for individuals and organisations depends largely on their capacity to creatively adapt to the challenges of continuous transformation.

The course provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements for admission as a lawyer together with the study of creative writing as a professional practice.

The course develops a broad range of capabilities for professional practice in information and law. It is particularly relevant for imaginative, synthetic and analytical thinking and communication, as well as practical skills in digital communication across diverse technological platforms and environments. Students learn to be technologically literate, culturally sophisticated, innovative and resourceful leaders with legal knowledge and skills for the rapidly evolving digital communications industries.

Career options

Career options include specialist social media lawyer, media lawyer, intellectual property lawyer, solicitor, social media manager, barrister, digital and social media coordinator, digital consultant, communications officer, digital channels strategist, marketing technologist, legal adviser within a government department, lawyer in corporate and commercial sector, librarian, media researcher, project manager, web designer, and other diverse roles particularly in legal and business contexts.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points and allows students to graduate with the separate degrees of Bachelor of Arts in Communication (Digital and Social Media) and Bachelor of Laws. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Digital and Social Media major.

Industrial training/professional practice

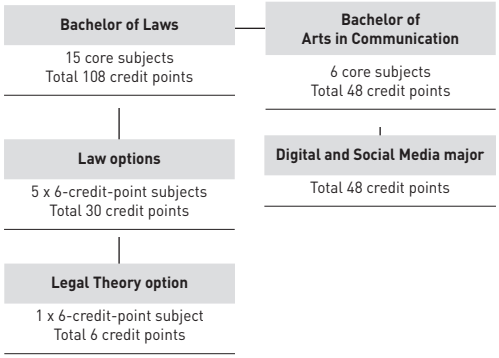
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ10038	Digital and Social Media	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

Select one of the following: 8cp

58101	Understanding Communication	8cp
58102	Language and Discourse	8cp
58103	Ideas in History	8cp
58125	User Experience Design	8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58337	Engagement, Participation, Gamification	8cp

Year 2

Autumn semester

70311	Torts	8cp
58335	Digital Communities	8cp

Select one of the following: 8cp

58102	Language and Discourse	8cp
58101	Understanding Communication	8cp

Spring semester

70211	Contracts	8cp
70114	Criminal Law and Procedure	8cp
58214	Media Writing and Production	8cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70104	Civil Practice	6cp
58338	Representing Complexity	8cp

Spring semester

70327	Commercial Law	6cp
58339	Digital Futures	8cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp

Select 6 credit points of options 6cp

Spring semester

70617	Administrative Law	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70517	Equity and Trusts	8cp

Year 5

Autumn semester

58301	Communication Practice Project	8cp
70417	Corporate Law	8cp
70108	Public International Law	6cp

Select 6 credit points from the following options: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Spring semester

Select 24 credit points of options 24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10317v1 Bachelor of Arts in Communication (Cultural Studies)

Award(s): Bachelor of Arts in Communication (BA)
UAC code: 600036 (Autumn semester, Spring semester)
CRICOS code: 079568G
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

Cultural Studies at UTS answers the need from industry, particularly the cultural and creative sectors, for researchers who can understand, analyse and transform the ways that individuals, communities and societies behave, interact, and respond to change. This degree combines training in the theories and methodologies of contemporary cultural research with case studies in the creative and cultural industries in which many graduates will work.

This course focuses on the development of new critical, methodological and creative ways for understanding contemporary society. It aims to produce graduates with a set of research skills and cultural knowledge that can be applied in a wide variety of roles within the communication sector. Studies focus on practical and applicable skills in digital and archival research, cultural analysis and critique, intercultural communication and creative thinking with collaborative teamwork.

Career options

Career options include cultural researcher, communication strategist, cultural development officer, community engagement coordinator, creative enterprise manager, grants development officer, media and communications researcher / analyst, cultural activist, market researcher.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy.

Course duration and attendance

The course is offered on a three-year, full-time basis.

Course structure

Students must complete 144 credit points consisting of a 48-credit-point core program, a 48-credit-point major, a 24-credit-point sub-major and 24 credit points of electives.

Industrial training/professional practice

Students do cultural research and analysis, and can elect to undertake a professional placement during their course.

Course completion requirements

STM90550	Core subjects	48cp
MAJ09427	Cultural Studies	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
		Total 144cp

Course program

A typical course program is shown below for students commencing in Autumn semester.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Typical program, Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58332	Defining Cultures		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58333	Introduction to Cultural Research		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58335	Digital Communities		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58334	Research Studio		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Autumn semester

58340	Creative Cities, Cultural Communities and Entrepreneurs		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58301	Communication Practice Project		8cp
58336	Cultural Research Practicum		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS http://www.ask.uts.edu.au

C10318v1 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Arts in International Studies

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Arts International Studies (BA)
UAC code: 609335 (Autumn semester)
CRICOS code: 079564M
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

This degree combines a professional degree with immersion in another language and culture, enhancing professional training and career options. The combined course seeks to augment the value of the Cultural Studies degree by broadening awareness and understanding of another language and culture.

This course focuses on the development of new critical, methodological and creative ways for understanding contemporary society. It aims to produce graduates with a set of research skills and cultural knowledge that can be applied in a wide variety of roles within the communication sector. Studies focus on practical and applicable skills in digital and archival research, cultural analysis and critique, intercultural communication and creative thinking with collaborative teamwork.

Career options

Career options include cultural researcher, communication strategist, cultural development officer, community engagement coordinator, creative enterprise manager, grants development officer, media and communications researcher/analyst, cultural activist, market researcher.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Any two units of English and computer literacy. There are no prior language requirements for the international studies program (see page 90).

Course duration and attendance

The course is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in the international studies component. The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

Students take part in practical and applied projects throughout the course and can elect to undertake a professional placement in industry.

Course completion requirements

STM90550	Core subjects	48cp
MAJ09427	Cultural Studies	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
CBK90005	Country major choice	96cp
		Total 240cp

Course program

A typical course program is shown below for students commencing in Autumn semester with Germany as the chosen international studies major.

Students must choose a sub-major from CBK90701 in Year 1, Spring semester.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58332	Defining Cultures		8cp
58103	Ideas in History		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58333	Introduction to Cultural Research		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Autumn semester

97601	German Language and Culture 1	8cp
58335	Digital Communities	8cp
976001	Foundations in International Studies	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58334	Research Studio	8cp
97602	German Language and Culture 2	8cp

Year 3

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58340	Creative Cities, Cultural Communities and Entrepreneurs	8cp
97603	German Language and Culture 3	8cp

Spring semester

976421	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Autumn semester

977420	In-country Study 1: Germany	24cp

Spring semester

978420	In-country Study 2: Germany	24cp

Year 5

Autumn semester

58301	Communication Practice Project		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Spring semester

58336	Cultural Research Practicum		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS http://www.ask.uts.edu.au

C10319v1 Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws

Award(s): Bachelor of Arts in Communication (BA)
Bachelor of Laws (LLB)
UAC code: 609007 (Autumn semester)
CRICOS code: 079566J
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

This is a new course in 2014.

Overview

This course is offered jointly by UTS: Law and UTS: Communication. The course aims to develop new critical, methodological and creative ways to understand contemporary society, together with the study of law, which has a critical relationship to society and culture.

The course provides full-time study for students wishing to obtain a professional legal qualification that satisfies the academic requirements for admission as a lawyer together with the study of cultural studies as a professional practice.

Students in this course obtain a set of research skills and cultural knowledge that can be applied in a wide variety of roles within the legal and communications sectors. Studies focus on practical and applicable skills in digital and archival research, cultural analysis and critique, intercultural communication and creative thinking with collaborative teamwork. Students also learn to think creatively to deliver innovative cultural products and analysis as solutions to cultural and social problems.

Career options

Career options include lawyer, solicitor, barrister, cultural researcher, communication strategist, cultural development officer, community engagement coordinator, creative enterprise manager, grants development officer, media and communication researcher/analyst, cultural activist, market researcher.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

HSC English and computer literacy.

Course duration and attendance

The course is offered on a five-year, full-time basis. Students are required to attend approximately 17 hours of seminars and lectures a week, and may be required to attend evening classes for the law component.

Course structure

The course comprises 240 credit points and allows students to graduate with the separate degrees of Bachelor of Arts in Communication (Cultural Studies) and Bachelor of Laws. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- a 6-credit-point legal theory option.

The communication component of 96 credit points is made up of:

- 48 credit points of compulsory subjects, and
- 48 credit points of subjects from the Cultural Studies major.

Industrial training/professional practice

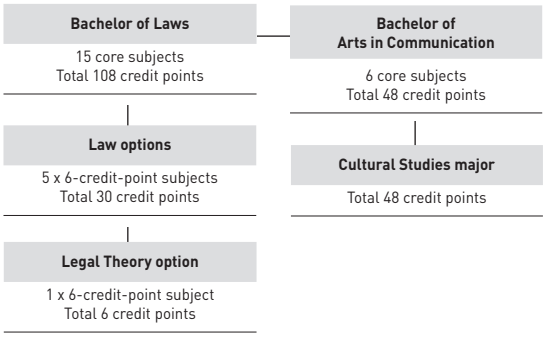
To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90691	Law stream	144cp
STM90550	Core subjects	48cp
MAJ09427	Cultural Studies	48cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58103	Ideas in History		8cp
58332	Defining Cultures		8cp

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
58333	Introduction to Cultural Research	8cp

Year 2

Autumn semester

70311	Torts		8cp
58335	Digital Communities		8cp
Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	

Spring semester

70211	Contracts	8cp
70114	Criminal Law and Procedure	8cp
58334	Research Studio	8cp

Year 3

Autumn semester

70616	Australian Constitutional Law	8cp
70104	Civil Practice	6cp
58340	Creative Cities, Cultural Communities and Entrepreneurs	8cp

Spring semester

70327	Commercial Law	6cp
58336	Cultural Research Practicum	8cp
70317	Real Property	8cp

Year 4

Autumn semester

71116	Remedies	6cp
70109	Evidence	6cp
58201	Communication and Cultural Industries and Practices	8cp
Select 6 credit points of options		6cp

Spring semester

70617	Administrative Law	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
70517	Equity and Trusts	8cp

Year 5

Autumn semester

58301	Communication Practice Project		8cp
70417	Corporate Law		8cp
70108	Public International Law		6cp
Select 6 credit points from the following options:			6cp
76008	Jurisprudence	6cp	
76033	Animal Law and Policy in Australia	6cp	
76057	Judgement and the Rule of Law	6cp	
76081	Gender, Law and Sexuality	6cp	
78039	Wickedness and Vice	6cp	

Spring semester

Select 24 credit points of options	24cp

Levels of award

The Bachelor of Laws may be awarded with first or second class honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component. The rules concerning the Bachelor of Laws with honours can be found in undergraduate course information (see page 99).

Honours

The Bachelor of Arts (Honours) in Communication (C09009) (see page 113) is offered on a one-year, full-time basis.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students complete a practical legal training program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C10320v1 Bachelor of Property Economics Bachelor of Arts in International Studies

Award(s): Bachelor of Property Economics (BPropEc)
Bachelor of Arts in International Studies (BA Int St)
CRICOS code: 079556M
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Property Economics is an applied degree that prepares students for a career in the dynamic global property industry. It produces highly sought-after property professionals ready to enter the workforce with qualifications fully recognised by professional and industry bodies.

The combined degree program in property economics and international studies provides students specialising in property economics with additional practical skills by providing the opportunity to acquire knowledge and understanding of a language and culture other than English.

Progressively more advanced subject content and assessment tasks develop students' abilities to analyse and synthesise knowledge, solve problems using critical thinking and independent judgment, and communicate knowledge and ideas clearly and coherently.

Understanding the ethical responsibilities of property professionals and demonstrating the ability to work in teams as well as independently are essential preparation for the professional workplace.

Assessment tasks entailing project-based learning, using digital information technologies, and applying theoretical concepts to real world problems, ensure that students develop adaptability, initiative, and decision-making ability.

In addition, students completing the dual degree have the opportunity to develop their international knowledge further, learn to adapt to a wider variety of global contexts, and learn to work and communicate with a more diverse array of people.

Course aims

This course develops a broad base of knowledge of many aspects of the property industry, including central concepts of law, economics, finance, and valuation, and related fields of property management, construction, development, urban planning, and accounting, providing students with a broad and coherent understanding of property, alongside a deeper understanding of valuation and the legal, economic, and financial concepts that underpin valuation. It also develops perspectives and understandings that enable graduates to meet the demands of an internationalised professional environment.

Career options

Career options include property valuer, property and asset manager, property market analyst, property sales and acquisitions, property developer, funds manager, and corporate real estate adviser.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Property Economics (C10310).

There is a range of entry levels to the various language and culture programs. Students are admitted to the international studies program with no guarantee of entry to a specific major, although every effort is made to meet students' preferences.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Credit recognition

Students with prior academic or industrial experience are considered for credit recognition and may be given the opportunity to tailor their program of study in line with subjects completed previously at other institutions.

Course duration and attendance

The combined program is offered on a five-year, full-time basis. Students spend two semesters of study at a university or other higher education institution in the country of their major.

Course structure

Students are required to complete 240 credit points of study, comprising 144 credit points in property economics and 96 credit points in international studies.

The Bachelor of Arts in International Studies requires undergraduates to study a region or country major over a minimum of three years. The Bachelor of Arts in International Studies is not offered as a separate degree, but is completed only in combination with the professional degree program.

Overseas study

Students spend their fourth year of study at a university overseas.

Industrial training/professional practice

In addition to attending classes, students are required to gain practical experience in appropriate professional or industrial organisations. Full-time students undertake practical studies as part of the program included in core subjects.

They are also required to gain approved professional experience in the final two full-time years of their programs. Part-time students are required to enrol each year, except Year 1, in the professional/industrial experience subject and to supply details of the experience gained.

Course completion requirements

STM90820	Core subjects (Property Economics)	120cp
CBK90005	Country major choice	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
		Total 240cp

Honours

Students who achieve a minimum of a credit weighted average mark in their first two levels of study may be invited to undertake the honours program. The honours program is taken as specialised subjects, focusing on property research and analysis, an honours research proposal and a thesis.

Professional recognition

Australian Property Institute (API); Royal Institution of Chartered Surveyors (RICS); Singapore Institute of Surveyors and Valuers (SISV)

Other information

Further information on the property economics component is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Further information on the international studies component is available from the Building 1 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C10321v1 Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Design in Fashion and Textiles (BDesign)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609540 (Autumn semester)
CRICOS code: 079751G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Design in Fashion and Textiles has been designed to enable students to create pathways of learning as they progress through the degree with a flexible and diverse approach to learning. Emphasis throughout this practice-based course is placed on value, innovation, creativity and responsible practice. Students should develop flexibility and confidence in working in and across the diverse environments that constitute contemporary practice.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallels the process that professionals undertake in industry. Professional practice is embedded in all fashion studios and builds on contemporary industry practice within both local and global markets. Projects are developed through both individual and group work, to simulate design team environments.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include buyer, fashion editor, fashion or textile designer, illustrator or stylist. Some students start their own business, while others work within an established company. Graduates may also continue studies at postgraduate level.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Design in Fashion and Textiles.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time or part-time equivalent basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in fashion and textiles and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90790	Core subjects	120cp
CBK90242	Sub-major/Electives (DAB)	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

A typical program is shown below.

Year 1

Autumn semester

83119	Thinking Fashion	6cp
83621	Studio: Foundations in Patternmaking and Construction 1	6cp
83622	Studio: Fashion Illustration Fundamentals 1	6cp
85503	Design Thinking	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

83231	Fashion Cultures	6cp
83882	Foundations in Patternmaking and Construction 2	6cp
83233	Fashion Illustration Fundamentals 2	6cp
85502	Researching Design History	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

83724	Studio: Bespoke Fashion	6cp
83341	Fashion, Gender and Identity	6cp
83721	Studio: Fashion Illustration Exploration	6cp
	Select 6 credit points of electives	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

83722	Studio: Body Mapping	6cp
83723	Textile Lab: New Technologies	6cp
85202	Interdisciplinary Lab A	6cp

Select 6 credit points of electives 6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

83821	Studio: Men's Collection	12cp
85302	Interdisciplinary Lab B	6cp

Select 6 credit points of electives 6cp

July session

81515	Leading Innovation	8cp

Spring semester

83822	Studio: Women's Collection	12cp
83823	Fashion and Textiles Professional Practice	6cp

Select 6 credit points of electives 6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C10322v1 Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Design in Interior and Spatial Design (BDesign)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609550 (Autumn semester)
CRICOS code: 079752G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

With a strong emphasis on creativity and technology, the Bachelor of Design in Interior and Spatial Design is the first university program of its kind in Australia. While interior design is an established profession, spatial design encompasses a range of connected practices that engage directly and creatively with space, from designing an exhibition to art directing a performance.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The course equips graduates with critical thinking, spatial intelligence, creativity and the skills to engage across the expanded field of interior and spatial design, to take up leading roles in industry. Uniquely, this course emphasises digital and analogue technologies of representation and fabrication, internationalisation and design practice.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Course aims

Through their study, students develop spatial intelligence and excellence in design practice. The program fosters a creative and explorative attitude toward the design process, underpinned by a reflective and critical engagement. In doing so, students generate a cohesive design approach where research and practice are consolidated in design outcomes.

The course cultivates a collaborative and global vision of design through a variety of interdisciplinary subjects, industry projects and international studios. Students develop the flexibility and confidence to work in the divergent and novel environments of contemporary practice.

The course has:

- an emphasis on creative, innovative spatial practice and international networks
- practice-oriented and research-integrated learning around specific projects
- engagement with innovative and creative technologies
- an emphasis on emerging design practices, and
- close links with creative practitioners.

Students are expected to develop an understanding of their individual design language and theoretical position in relation to historic and contemporary contexts.

Career options

Career options include commercial and residential interior design, interactive and responsive environment design, museum and exhibition design, production design for film and television, theatre and performance design, and visual and spatial branding.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Design in Interior and Spatial Design.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in interior and spatial design and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90724	Core subjects (Interior and Spatial Design)	96cp
CBK90822	Sub-major choice	24cp
CBK90823	Elective choice	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

An example program is provided below.

Year 1

Autumn semester

86004	Design Studio: Foundations in Spatial Language	12cp
86008	Context: Image and Making (Representation)	6cp
85503	Design Thinking	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

85502	Researching Design History	6cp
86005	Design Studio: Foundations in Spatial Design	12cp
86009	Context: Image and Making (Generative Methods)	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

86529	Design Studio: Inhabitations	12cp
86114	Context: Inhabitations	6cp

Select 6 credit points of electives 6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

86113	Context: Experimentations	6cp

Select 12 credit points from the following options: 12cp

86112	Design Studio: Experimentations	12cp
86530	Design Studio: Performative Spaces 1	12cp

Select 6 credit points of electives 6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

86221	Context: Explorations	6cp

Select 12 credit points from the following options: 12cp

86531	Design Studio: Explorations	12cp
86533	Design Studio: Performative Spaces 2	12cp

Select 6 credit points of electives 6cp

July session

81515	Leading Innovation	8cp

Spring semester

86222	Context: Interdisciplinary	6cp
86223	Design Studio: Industry	12cp

Select 6 credit points of electives 6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from the Building 6 Student Centre on:

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C10323v1 Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Design in Integrated Product Design (BDesign)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609545 (Autumn semester)
CRICOS code: 079753F
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

Integrated product design expands on the traditional field of industrial design to reflect the changed realities of the globalised design profession. The course offers a practice-based approach to learning through the integration of digital and analogue technologies across the broad field of integrated product design, as well as the potential for specialisation within highly contemporary and innovative integrated product design practices.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

With a strong emphasis on creativity and technology, graduates move seamlessly from the design of material objects to the design of associated services together with the skills to maintain a specialist role within an interdisciplinary team. Structured around design studios, this dynamic course allows specialisations such as interaction design, smart object design, interactive product design, system design. The design studio integrates practice-orientated learning around specific projects.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking,

invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Course aims

The course aims to support and foster a creative and explorative attitude toward the design process. It equips its graduates with the ability to effectively function on the international stage with ease and success, with the communication skills that allow them to operate across cultures, languages and location.

The course takes an experimental and hybrid approach to the integration of networked digital technologies into the design of products and systems. Students gain an integrated approach and understanding of how to conceptualise, visualise and realise products, services and/or systems as a design professional.

Innovation and experimentation is underpinned by theoretical, historical and contextual studies to facilitate students' development in both the conceptual and technical design skills required to work within the broader integrated product design field, and its specialist areas.

Throughout each stage, the course requires students to develop an understanding of their own design language and theoretical position in relation to historic and contemporary contexts.

Career options

Career options include corporate or in-house designer, design consultant, production manager, industrial designer, interaction designer, designer of smart objects, interactive product designer, system designer, furniture, product or accessories designer, design communication professional, design researcher, commercialisation professional.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Design in Integrated Product Design.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

This course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in integrated product design and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90788	Core subjects	96cp
CBK90242	Sub-major/Electives (DAB)	24cp
CBK90871	Sub-major options	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

A typical program is shown below.

Year 1

Autumn semester

84610	Inside Design	6cp
84111	Understanding Three-dimensional Form	6cp
84116	Integrated Product Design Communications	6cp
85503	Design Thinking	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

84611	Design Thinking in Integrated Product Design	6cp
84117	Integrated Product Design Digital Communication	6cp
84118	Informing Integrated Product Design	6cp
85502	Researching Design History	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

84711	User-Centred Design	12cp
84710	Research Methods in Integrated Product Design	6cp
	Select 6 credit points of electives	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

85202	Interdisciplinary Lab A	6cp
	Select 12 credit points from the following options:	12cp
CBK90871	Sub-major options	24cp
	Select 6 credit points of electives	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

85302	Interdisciplinary Lab B	6cp
84811	Smart Design	12cp
	Select 6 credit points of electives	6cp

July session

81515	Leading Innovation	8cp

Spring semester

84813	Integrated Product Design Professional Communication	6cp
	Select 12 credit points from the following options:	12cp
CBK90871	Sub-major options	24cp
	Select 6 credit points of electives	6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
	Select one of the following:	6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

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C10324v1 Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Design in Visual Communication (BDesign)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609555 (Autumn semester)
CRICOS code: 079754E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Overview

The Bachelor of Design in Visual Communication offers a practice-based approach to learning visual communication. Throughout the course, the creation of new design solutions is driven by rigorous and critical exploration of methods, materiality and technology, and understanding the influence of globalisation, digitisation, complexity and interactivity.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The course centres around design studios which integrate practice-orientated learning around specific projects, and parallel the process that professionals undertake in industry. The course is structured to allow students to focus, particularly in its second half, on areas of specialisation. Throughout all stages, the course requires students to develop an understanding of their own individual design language and theoretical position in relationship to historic and contemporary contexts.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Course aims

The course aims to support and foster a creative and explorative attitude toward the design process where research and practice are consolidated in design outcomes. It cultivates a collaborative and global vision of design. Through a variety of interdisciplinary subjects, industry projects and international studios, students develop the flexibility and confidence to work in the divergent and novel environments of contemporary visual communication practice.

Throughout the degree students progress through studies and skills development in the area of form, content, context and concept. First year introduces the key formal concerns of visual communication, including image, typography, composition and hierarchy. Second-year subjects engage more closely with content and the interdependencies of form and content. A contextual understanding of design as an outwardly focused activity is developed in third year, with closer studies of audience, society, ethics and industry.

Career options

Career options include design roles in graphic design, publishing, advertising, animation, film, television, exhibitions, government agencies, not-for-profit and corporate sectors.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Design in Visual Communication.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in visual communication and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90791	Core subjects	120cp
CBK90242	Sub-major/Electives (DAB)	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

A typical program is shown below.

Year 1

Autumn semester

87631	Design Studio: Text and Image 1	12cp
87100	VC Project: Ways of Seeing	6cp
85503	Design Thinking	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

87632	Design Studio: Text and Image 2	12cp
87222	VC Project: Symbols and Systems	6cp
85502	Researching Design History	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

87731	Design Studio: Visual Experimentations	12cp
87441	VC Studies: Contexts of Visual Communication	6cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

87443	VC Project: Typography in Context	6cp
87445	VC Project: Visualising Experience	6cp
85202	Interdisciplinary Lab A	6cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

87831	Design Studio: Visual Communication and Strategic Design	12cp
85302	Interdisciplinary Lab B	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

87832	Design Studio: Design Practice	12cp
87665	VC Project: The Community	6cp
Select 6 credit points of electives		6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

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C10325v1 Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Design in Architecture (BDesign)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609535 (Autumn semester)
CRICOS code: 079755D
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5
Location: City campus

Note(s)

The Bachelor of Design in Architecture by itself does not lead to professional recognition as an architect. To become a professional architect, students must complete this degree followed by the Master of Architecture (C04235) (see page 404) (an additional two years of full-time study or equivalent).

Overview

The Bachelor of Design in Architecture is the first of two degrees needed to become an architect. Students wishing to qualify for professional recognition as architects must also complete the Master of Architecture (C04235) (see page 404). UTS architecture courses provide the skills and knowledge necessary to practise in the architectural profession and to be a future leader in the design of the built environment.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The Bachelor of Design in Architecture provides students with a rich education oriented towards international practice and design experimentation. Teaching is hands-on and undertaken in teams using the most innovative digital design and fabrication technologies available to the architectural profession in dedicated studios and workshops. UTS students have the benefit of learning from a cohesive team who are passionate about architecture and engage with the discipline as practitioners, researchers, educators and critics.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Course aims

This degree provides a liberal introduction to the study of architecture as a discipline. Students gain a critical and ethical awareness of architecture as a discipline with much to offer in the face of many of today's most pressing societal challenges. It equips students to join other design fields or related disciplines, and it prepares students for the Master of Architecture degree.

Career options

Career options include architect (after completion of the Master of Architecture), urban designer, landscape architect, administrator, policy maker, researcher, educator, or journalist.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Design in Architecture.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is four years of full-time study (or equivalent).

Course structure

Students must complete 240 credit points, comprising 144 credit points in Architecture and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90375	Core subjects	120cp
CBK90284	Sub-major/Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The subjects listed below represent the standard full-time course. Under certain circumstances, students may apply for exemptions from some subjects. The example program below is for a student commencing in Autumn semester and undertaking the course full time.

Year 1

Autumn semester

11211	Architectural Design: Forming	6cp
11212	Architectural History and Theory: Orientations	6cp
11205	Architecture Culture and Environment	6cp
11214	Architectural Design: Architectural Communications	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

11209	Architectural Design: Making	6cp
11216	Architectural History and Theory: Modernity and Modernism	6cp
11206	Introduction to Construction and Structural Synthesis	6cp
11208	Architectural Design: Architectural Communications 2	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

11221	Architectural Design: Strategy	6cp
11248	Architectural History and Theory: Urbanism and the City	6cp
11207	Architectural Design and Construction	6cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

11222	Architectural History and Theory: Critique	6cp
11227	Architectural Design: Performance	6cp
11225	Thermal Design and Environmental Control	6cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

11231	Architectural Design: Field	6cp
11232	Lighting, Acoustics and Advanced Environmental Control	6cp
11233	Advanced Architectural Construction	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

11234	Architectural Design: Integration	6cp
11247	Architectural History and Theory: Current Events and Debates	6cp
11204	Integrated Services	6cp
Select 6 credit points of electives		6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from the Building 6 Student Centre on:

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C10326v1 Bachelor of Business Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Business (BBus)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609530 (Autumn semester)
CRICOS code: 079756C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

The Bachelor of Business offers students a sound background in all areas of business through common core subjects, in addition to in-depth knowledge in one or more chosen areas of interest.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This course provides an understanding of important aspects of business and offers a wide choice of majors and sub-majors. A wide variety of international exchange options are available.

By focusing on the high-level conceptual thinking and problem solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include jobs in accounting, banking, economics, finance, financial services, human resource management, international business, management, marketing, marketing communication, sport or tourism management.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of four years of full-time or eight years of part-time study.

Course structure

Students must complete 240 credit points, comprising 144 credit points of business subjects and 96 credit points of creative intelligence and innovation subjects. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Course completion requirements

STM90273	Core subjects (Business)	48cp
CBK90679	Stream choice	96cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

Typical full-time and part-time programs for the core subjects are provided below.

Typical full-time program for core subjects

Year 1

Autumn semester

26100	Integrating Business Perspectives	6cp
22107	Accounting for Business Decisions A	6cp
23115	Economics for Business	6cp
26134	Business Statistics	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

22207	Accounting for Business Decisions B	6cp
21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Typical part-time program for core subjects

Year 1

Autumn semester

22107	Accounting for Business Decisions A	6cp
26100	Integrating Business Perspectives	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

23115	Economics for Business	6cp
26134	Business Statistics	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

21129	Managing People and Organisations	6cp
22207	Accounting for Business Decisions B	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

25300	Fundamentals of Business Finance	6cp
24108	Marketing Foundations	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

List of majors

MAJ08437	Accounting	48cp
MAJ09401	Business Law	48cp
MAJ09209	Economics	48cp
MAJ08440	Finance	48cp
MAJ08068	Financial Services	48cp
MAJ08446	Human Resource Management	48cp
MAJ02041	Information Technology	48cp
MAJ08442	International Business	48cp
MAJ08438	Management	48cp
MAJ08441	Marketing	48cp
MAJ08116	Marketing Communication	48cp
MAJ08445	Sport Management	48cp
MAJ08443	Tourism Management	48cp

List of sub-majors

SMJ08131	Advanced Advertising	24cp
SMJ08137	Advertising	24cp
SMJ02036	Business Information Systems	24cp
SMJ09030	Business Law	24cp
SMJ09058	Econometrics	24cp
SMJ09028	Economics	24cp
SMJ08203	Event Management	24cp
SMJ08123	Finance	24cp
SMJ08214	Financial Planning	24cp
SMJ08116	Financial Reporting	24cp
SMJ08215	Financial Services	24cp
SMJ08141	Human Resource Development	24cp
SMJ08128	Human Resource Management	24cp
SMJ08117	International Accounting	24cp
SMJ08139	International Business Studies	24cp
SMJ08129	International Management	24cp
SMJ09034	International Studies	24cp
SMJ02037	Information Technology	24cp
SMJ09035	Language other than English	24cp
SMJ08130	Management	24cp
SMJ08109	Management Consulting	24cp
SMJ08195	Management Reporting	24cp

SMJ08138	Marketing	24cp
SMJ08132	Marketing Research	24cp
SMJ01007	Mathematics	24cp
SMJ08211	Public Relations	24cp
SMJ01025	Quantitative Management	24cp
SMJ08120	Small Business Accounting	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08126	Sport Management	24cp
SMJ01009	Statistics	24cp
SMJ08204	Strategic Marketing	24cp
SMJ09033	Taxation Law	24cp
SMJ08127	Tourism Management	24cp

List of extended majors

MAJ09402	Extended Economics	72cp
MAJ08060	Extended Finance	72cp
MAJ08046	Extended Management	72cp
MAJ08063	Extended Marketing	72cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10327v1 Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Science in Information Technology (BSc)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609565 (Autumn semester)
CRICOS code: 079757B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

This course offers a sound education in all aspects of computing and information technology for students who intend to make a career in the profession.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This course adopts a practice-based approach to IT education and the course content is a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in business analysis, problem solving, teamwork and communication. Employers look for graduates with industry experience and students are exposed to real IT problems.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Course aims

The course aims to produce graduates who are able to apply, in the context of any organisation, the knowledge and skills required of:

- information systems professionals in business units who integrate packaged systems rather than develop systems from first principles
- information technology professionals who develop systems from first principles
- network specialists who build, maintain and administer complex network systems, or
- computing specialists for technical research careers.

Career options

Career options include business analyst, IT project manager, network specialist, software developer, systems analyst or web developer.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission requirements are the same as the Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice (C10152) (see page 199).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics and any two units of English.

Mathematics Extension 1 and English Advanced are recommended.

External articulation

Students who gain entry through the UTS INSEARCH pathway are eligible for 48 credit points of credit recognition.

Students who have completed a relevant diploma at TAFE NSW may be eligible for at least 24 credit points of credit recognition.

Credit recognition

Information technology component: Students who have previously undertaken study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

The prior study must have been completed before commencement of this course, but no earlier than three years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. TAFE IT diplomas and advanced diplomas completed within three years of enrolment may be granted some credit recognition. For further details see:

www.uts.edu.au/future-students/information-technology/essential-information/it-undergraduate-credit-recognition

There are no exemptions granted for the networking subjects 31270, 31277 and 31283 without the successful completion of the challenge test for each of these subjects. A challenge test is granted at enrolment time to students who have completed the CCNA curriculum (or CCNP) at a university and/or TAFE diploma level where the awarding institution is a CISCO Networking Academy. These challenge tests are always held in the week before the commencement of semester.

Course duration and attendance

The course is completed in four years of full-time or eight years of part-time study.

Course structure

Students must complete 240 credit points, comprising 48 credit points of core IT subjects, 48 credit points of one compulsory IT major, 48 credit points of electives and 96 credit points in creative intelligence and innovation.

The 48 credit points of electives can be a combination of a second IT major, or two sub-majors, or one sub-major and four electives, or eight electives to broaden the student's knowledge of information technology and other disciplines.

The creative intelligence and innovation component consists of 96 credit points. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Industrial training is available as a separate course. Students enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) once they have secured suitable full-time employment in the IT industry. This incorporates a minimum of nine months' full-time paid work experience with four supporting subjects at UTS. Full-time students normally undertake industrial training after completing Year 2.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90651	Core subjects (Information Technology)	48cp
CBK90781	Major choice (Information Technology)	48cp
CBK90782	Major/Two sub-majors/Electives	48cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Year 1

Autumn semester

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
Select 6 credit points of options		6cp
Select 6 credit points of electives		6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

31271	Database Fundamentals	6cp
Select 12 credit points of options		12cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

Select 18 credit points of options		18cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

31272	Project Management and the Professional	6cp
Select 6 credit points of options		6cp
Select 12 credit points of electives		12cp

July session

81515	Leading Innovation	8cp

Spring semester

Select 6 credit points of options		6cp
Select 18 credit points of electives		18cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
81531	Innovation Capstone: Research and Development	12cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Levels of award

The Bachelor of Science in Information Technology component may be awarded with a distinction, credit or pass.

Honours

Students interested in research and who excel in their studies are eligible to undertake one additional full-time year of study in the Bachelor of Science (Honours) in Information Technology (C09019) (see page 114). The honours year is also available on a part-time basis over two years.

Transfer between UTS courses

Students in the Bachelor of Science in Information Technology (C10148) (see page 197) or Bachelor of Science in Information Technology Diploma of IT Professional Practice (C10152) (see page 199) can apply to transfer into this course after completing the first year of their current course. Students in this combined degree may apply to transfer to the single degree, Bachelor of Science in Information Technology.

Professional recognition

Graduates are eligible for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C10328v1 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Sport and Exercise Science (BSportExSc)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609580 (Autumn semester)
CRICOS code: 079758A
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

The Bachelor of Sport and Exercise Science meets the demand for professionals able to provide physical activity services to all sectors of the community.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The course provides students with a strong understanding of the processes and mechanisms underlying sport and exercise science, and the knowledge and skills necessary to manage and plan sport and exercise activities in health, rehabilitation, leisure, event and education contexts.

Students who complete this course with the Health and Physical Education major (HPE) are eligible for direct entry into the Bachelor of Teaching in Secondary Education (C08002) (see page 521) offered by UTS: Education. This course is formally accredited with the NSW Institute of Teachers and provides HPE students with the opportunity to complete two degrees.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include sport and exercise science; corporate health and wellbeing; strength and conditioning; personal training; physiotherapy (pathway); exercise rehabilitation; sports coaching; teaching; health and physical education (HPE); outdoor education; and facility management.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Sport and Exercise Science (C10300) (see page 295).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete at least 144 credit points over 24 subjects in the sport and exercise component of the course. Students choose four electives, appropriate to their chosen career, to complement the core subjects in the degree. Students studying to be a physical education teacher must take the performance studies subjects as electives. The creative intelligence and innovation component consists of 96 credit points. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

The course has an extensive internship program.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90825	Sport and Exercise Science core stream	96cp
CBK90911	Sport and Exercise Science Year 3 choice	48cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

A typical course program is shown below.

No specified major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
	Select 12 credit points of options	12cp

July session

81515	Leading Innovation	8cp

Spring semester

92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp

Select 12 credit points of options 12cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Exercise Science major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
92555	Motor Learning and Control	6cp

Select 6 credit points of options 6cp

July session

81515	Leading Innovation	8cp

Spring semester

92563	Applied Exercise Physiology	6cp
92565	Skill Acquisition	6cp
92562	Exercise Rehabilitation	6cp

Select 6 credit points of options 6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Health and Physical Education major

Year 1

Autumn semester

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
27252	The Sport Industry	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

92553	Complex Exercise Management	6cp
92558	Performance Studies 1: Gymnastics and Dance	6cp
92559	Performance Studies 2: Dance and Athletics	6cp

Select 6 credit points of options 6cp

July session

81515	Leading Innovation	8cp

Spring semester

92563	Applied Exercise Physiology	6cp
92560	Performance Studies 3: Sport and Aquatics	6cp
92565	Skill Acquisition	6cp

Select 6 credit points of options 6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10329v1 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Midwifery (BMid)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609570 (Autumn semester)
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Note(s)

This course is not offered to international students.

Overview

A midwife is a health professional who has completed a program of study and may apply to register as a midwife with the Nursing and Midwifery Board of Australia. The Bachelor of Midwifery incorporates midwifery theory, science and clinical practice in a range of health facilities. Graduates of the course are competent midwives who have the skills, knowledge and confidence to practise midwifery according to the international definition of the role and scope of practice of the midwife.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This course was the first Bachelor of Midwifery to be introduced in New South Wales. The course aims to produce informed, reflective, caring and compassionate midwives who demonstrate competencies related to professional responsibility, interpersonal processes and the exercise of clinical judgment. Graduates are capable of providing woman-centred care in both hospitals and community settings. They practise reflective, evidence-based midwifery encompassing primary health care principles as well as emotional and social aspects of birth. They promote culturally sensitive care for women from indigenous and culturally and linguistically diverse communities. The course prepares students to identify and analyse the knowledge, skills and attitudes that continue to develop them as midwives and lifelong learners. This includes meeting the challenges of contemporary midwifery practice and maternity service provision in Australia and internationally.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include being a registered midwife in both hospital and community settings, and in both metropolitan and rural areas. Career progression opportunities include midwifery education and management, consultancy roles, e.g. lactation consultant and independent practice.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Midwifery.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a four-year, full-time or seven-year, part-time basis.

Course structure

Students must gain a minimum of 144 credit points to complete the Bachelor of Midwifery and 96 credit points in the Bachelor of Creative Intelligence and Innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Full-time students study four subjects a semester incorporating midwifery theory, science and clinical practice

Industrial training/professional practice

This course includes extensive midwifery practice, which is a compulsory component. Students undertake midwifery professional experience in an allocated area health service facility. Clinical placements occur in blocks each semester, and are in addition to time spent in the midwifery clinical practice laboratories that simulate the clinical environment. The placements involve morning, evening and possibly night shifts. Over the duration of the course, students are also required to follow 20 women throughout their pregnancy, birth and the period after birth. This requires students to be on-call to attend the labour and birth. Students in the final year of their program undertake a prolonged period of clinical experience with much of their time spent in a clinical environment. Students also have the opportunity to complete a rural and remote placement.

All midwifery students must adhere to the requirements in the Ministry of Health policy directive, 'PD2011_005 Occupational Assessment, Screening and Vaccination Against Specified Infectious Diseases', prior to commencement of any clinical practice placements. The policy can be viewed at:

www.health.nsw.gov.au/policies/PD/2011/PD2011_005.html

The policy should be read in full as it outlines students' obligation for screening and immunisation against certain infectious diseases prior to commencing their clinical placement. Students are asked to provide evidence of their immunity or vaccination status, and screening for tuberculosis (TB) status may also be required prior to or at the time of commencement of the first clinical placement. Students should be aware that if they do not meet the requirements of the policy they cannot commence the placement and as a result are not able to complete the course.

Students are also required to undertake a National Criminal Record Check and obtain a National Police Certificate. Further information is available at:

www.health.nsw.gov.au/jobs/student_clearance/index.asp

In the full-time program, students commence midwifery professional experience in the clinical setting in first year and this continues into second and third year. In the part-time program, midwifery professional experience in the clinical setting occurs in the second, fourth and fifth years of the course.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90744	First-year subjects	48cp
STM90745	Second-year subjects	48cp
STM90746	Third-year subjects	48cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

Typical full-time and part-time course programs are shown below.

Full-time program

Year 1

Autumn semester

92622	Becoming a Midwife	6cp
92271	Foundations of Midwifery Practice	6cp
92272	Anatomy and Physiology: Pregnancy and Childbirth	6cp
92632	Midwifery Practice 1: Preparation for Practice	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

92634	Transitions to Parenthood	6cp
92922	The Meaning of Birth	6cp
92927	Evidence-based Practice (Midwifery)	6cp
92630	Midwifery Practice 2: Supporting Women	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

99636	Essentials of Pathophysiology	6cp
92626	Midwifery Practice 3: Complex Pregnancy	6cp
92624	Complex Pregnancy	6cp
92280	Complex Newborn Care	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

92623	Complex Labour, Birth and Puerperium	6cp
92621	Aboriginal and Torres Strait Islander: Women and Babies	6cp
92627	Midwifery Practice 4: Complex Labour, Birth and Puerperium	6cp
91604	Introductory Pharmacology and Microbiology	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

92282	Australian Health Care System	6cp
92631	Midwifery as Primary Health Care	6cp
92625	Emergencies in Maternity Care	6cp
92628	Midwifery Practice 5: Working with Women	6cp

July session

81515	Leading Innovation	8cp

Spring semester

92286	International Perspectives in Midwifery	6cp
92633	Professional Practice	6cp
92283	Challenges in Midwifery Practice	6cp
92629	Midwifery Practice 6: Transitions to Being a Midwife	6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Part-time program

Year 1

Autumn semester

92622	Becoming a Midwife	6cp
92272	Anatomy and Physiology: Pregnancy and Childbirth	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

92922	The Meaning of Birth	6cp
92927	Evidence-based Practice (Midwifery)	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

92271	Foundations of Midwifery Practice	6cp
92632	Midwifery Practice 1: Preparation for Practice	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

92634	Transitions to Parenthood	6cp
92630	Midwifery Practice 2: Supporting Women	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

92631	Midwifery as Primary Health Care	6cp
92282	Australian Health Care System	6cp
99636	Essentials of Pathophysiology	6cp

July session

81515	Leading Innovation	8cp

Spring semester

92621	Aboriginal and Torres Strait Islander: Women and Babies	6cp
92286	International Perspectives in Midwifery	6cp
91604	Introductory Pharmacology and Microbiology	6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

92624	Complex Pregnancy	6cp
92626	Midwifery Practice 3: Complex Pregnancy	6cp
92280	Complex Newborn Care	6cp

Spring semester

92623	Complex Labour, Birth and Puerperium	6cp
92627	Midwifery Practice 4: Complex Labour, Birth and Puerperium	6cp
92283	Challenges in Midwifery Practice	6cp

Year 5

Autumn semester

92625	Emergencies in Maternity Care	6cp
92628	Midwifery Practice 5: Working with Women	6cp

Spring semester

92633	Professional Practice	6cp
92629	Midwifery Practice 6: Transitions to Being a Midwife	6cp

Year 6

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp

Year 7

Autumn semester

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10330v1 Bachelor of Science Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Science in (name of Science major) (BSc)←br /→Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609585 (Autumn semester)
CRICOS code: 079759M
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

In the science component of this combined degree, students may select any one of 12 different specialised programs leading to the award of a science degree naming the chosen discipline, or students may select a range of science subjects to tailor their study according to their interests.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The flexibility of this course allows students to either specialise in a specific professional area or to develop skills and knowledge in a range of scientific disciplines. All majors aim to produce professional scientists with a thorough grounding in theory and highly adaptable and practical scientific, experimental and computational skills relevant to the discipline chosen.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Graduates are highly versatile as they can work in almost any industry such as biotechnology, biomedical science, medical science, environmental management and forensics, mathematics, statistical modelling, applied chemistry, applied physics, nanotechnology and material science. Graduates could be employed to analyse traffic flow, calculate the optimum distribution of branches for major banks, set rates of insurance premiums, analyse the consumer demand for products, be part of a medical team working on groundbreaking research, determine the effectiveness of new drugs, evaluate the environmental impact of pollution or provide advice on the stock market.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

2-unit Mathematics; any two units of English.

At least two units of science relevant to the individual discipline chosen is recommended; HSC Mathematics Extension 1 is recommended for those majoring in mathematics/statistics.

Course duration and attendance

Students can complete the course in four years of full-time study. Full-time attendance involves approximately 24 hours each week on campus. Students may also be able to complete the course part time, usually at the rate of two subjects a semester (a 50 per cent load), taking eight years to complete. Part-time students are required to attend some sessions in daytime hours.

Course structure

The creative intelligence and innovation component consists of 96 credit points. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

CBK90653	Stream choice	144cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The majors available and the course programs for each major are shown below. Note that the Marine Biology and Environmental Biology majors are not available in this program.

List of majors

MAJ01100	Applied Chemistry	96cp
MAJ01101	Applied Physics	96cp
MAJ01103	Biotechnology	96cp
MAJ01104	Biomedical Science	96cp
MAJ01106	Environmental Biology	96cp
MAJ01108	Environmental Forensics	96cp
MAJ01107	Marine Biology	96cp
MAJ01110	Mathematics	96cp
MAJ01105	Medical Science	96cp
MAJ01102	Nanotechnology	96cp
MAJ01111	Statistics	96cp
MAJ01126	Environmental Sciences	96cp
MAJ01127	Medical and Molecular Biosciences	96cp
MAJ01128	Physics and Advanced Materials	96cp
MAJ01129	Chemical Science	96cp
STM90694	No specified major (Life and Environmental Sciences)	96cp
STM90697	No specified major (Physical Sciences)	96cp

Applied Chemistry major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp
Select 6 credit points from the following options:		6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
Select 6 credit points of options		6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp
68070	Introduction to Materials	6cp
68201	Physics in Action	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65307	Physical Chemistry 1	6cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

65508	Organic Chemistry 2	6cp
65411	Inorganic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
67510	Surface Processes	6cp
Select 6 credit points of electives		6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81531	Innovation Capstone: Research and Development	12cp

Applied Physics major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp
Select 6 credit points from the following options:		6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp
68070	Introduction to Materials	6cp
68201	Physics in Action	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

68075	Nanomaterials	6cp
68412	Energy Science and Technology	6cp
33360	Mathematics for Physical Science	6cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

68414	Advanced Mechanics	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68416	Computational Physics	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp

Select 6 credit points of electives 6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Nanotechnology major

Year 1

Autumn semester

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp

Select 6 credit points from the following options: 6cp

91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
33290	Statistics and Mathematics for Science	6cp
68070	Introduction to Materials	6cp
68201	Physics in Action	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

33360	Mathematics for Physical Science	6cp
65307	Physical Chemistry 1	6cp
68075	Nanomaterials	6cp

Select 6 credit points of electives 6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

91140	BioNanotechnology	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp

Select 6 credit points of electives 6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

68316	Applied Electronics and Interfacing	6cp
67509	Molecular Nanotechnology	6cp
68606	Solid-state Science and Nanodevices	6cp

Select 6 credit points of electives 6cp

July session

81515	Leading Innovation	8cp

Spring semester

67510	Surface Processes	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp

Select 6 credit points of electives 6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Biomedical Science major

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91500	Histology	6cp
CBK90579	Elective 1	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

91132	Molecular Biology 1	6cp
CBK90580	Elective 2	6cp

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

CBK90581	Elective 3	6cp

Select 18 credit points from the following options: 18cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp

July session

81515	Leading Innovation	8cp

Spring semester

CBK90582	Elective 4	6cp

Select 18 credit points from the following options: 18cp

91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Biotechnology major

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp
Select 12 credit points of options		12cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91142	Biotechnology	6cp
CBK90579	Elective 1	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

91132	Molecular Biology 1	6cp
CBK90580	Elective 2	6cp
Select 12 credit points from the following options:		12cp
91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

91335	Molecular Biology 2	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91359	Advanced Immunology	6cp
CBK90581	Elective 3	6cp

July session

81515	Leading Innovation	8cp

Spring semester

91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
CBK90582	Elective 4	6cp
Select 6 credit points from the following options:		6cp
91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Medical Science major

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91703	Physiological Systems	6cp
CBK90579	Elective 1	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

91132	Molecular Biology 1	6cp
91239	Human Pathophysiology	6cp
Select 12 credit points from the following options:		12cp
91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

91707	Pharmacology 1	6cp
91706	Neuroscience	6cp
Select 12 credit points from the following options:		12cp
CBK90580	Elective 2	6cp
CBK90581	Elective 3	6cp
91403	Medical Imaging	6cp

July session

81515	Leading Innovation	8cp

Spring semester

91705	Medical Devices and Diagnostics	6cp
91709	Pharmacology 2	6cp
91708	Medical and Applied Physiology	6cp
CBK90582	Elective 4	6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Environmental Forensics major

Year 1

Autumn semester

65111	Chemistry 1	6cp
91107	The Biosphere	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

65212	Chemistry 2	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
68041	Physical Aspects of Nature	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
79004	Environmental Law and Science	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp
79023	Environmental Forensic Law	6cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

91120	GIS and Remote Sensing	6cp
91309	Biodiversity Conservation	6cp
91121	Aquatic Ecology	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp
Select 12 credit points of electives		12cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Mathematics major

Year 1

Autumn semester

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

35231	Differential Equations	6cp
35353	Regression Analysis	6cp
Select 6 credit points from the following options:		6cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
Select 6 credit points of electives		6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

35232	Advanced Calculus	6cp
Select 12 credit points from the following options:		12cp
35252	Mathematical Statistics	6cp
35340	Quantitative Management Practice	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

Select 18 credit points from the following options:			18cp
35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35355	Quality Control	6cp	
35361	Stochastic Processes	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	
Select 6 credit points of electives			6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures		6cp
Select one of the following:			6cp
81522	Innovation Internship A	6cp	
81523	Speculative Start-Up	6cp	
81531	Innovation Capstone: Research and Development		12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Statistics major

Year 1

Autumn semester

35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp
35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
Select 6 credit points of electives		6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

35231	Differential Equations		6cp
35353	Regression Analysis		6cp
Select 6 credit points from the following options:			6cp
35355	Quality Control	6cp	
35393	Seminar (Statistics)	6cp	
Select 6 credit points of electives			6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35232	Advanced Calculus	6cp
Select 6 credit points of electives		6cp

July session

81515	Leading Innovation	8cp

Spring semester

Select one subject from the following:			6cp
35355	Quality Control	6cp	
35361	Stochastic Processes	6cp	
35393	Seminar (Statistics)	6cp	
Select two subjects from the following:			12cp
35322	Advanced Analysis	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
Select 6 credit points of electives			6cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures		6cp
Select one of the following:			6cp
81522	Innovation Internship A	6cp	
81523	Speculative Start-Up	6cp	
81531	Innovation Capstone: Research and Development		12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10332v1 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Arts in Communication (Media Arts and Production) (BA)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609510 (Autumn semester)
CRICOS code: 079761F
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

This course prepares students for a wide range of roles within the media and cultural sectors. Students study the history, contemporary issues and theory of media and culture while developing advanced technical and conceptual skills in film, video, new media and sound. The professional areas within the degree include film, video, television, multimedia, sound, radio, performance and installation, and the interplay among these media forms.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This course explores the history, contemporary issues, theories and challenges of media and culture in society. Students develop sophisticated production skills in video, sound and new media, and enhance their creative innovation in these areas. Students are

encouraged to evolve as a creative director and producer of media projects, as well as develop technical proficiency specifically in one media area. By the time of graduation, students should have a professional portfolio of creative production work.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include arts and cultural administrators, cinematographers, directors, documentary makers, editors, film producers, freelance media artists multimedia designers, new media producers, producers, production managers, program commissioning editors, radio producers, scriptwriters and sound designers.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Arts in Communication (Media Arts and Production).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

As part of the Bachelor of Arts in Communication (Media Arts and Production), students undertake production projects each semester. They can elect to participate in professional placement and are encouraged to develop their portfolio and publicly display their works throughout their study through events such as the biennial UTS Golden Eye Awards and other festivals and competitions.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10021	Media Arts and Production	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58113	Exploring Media Arts		8cp
58103	Ideas in History		8cp

July session

81511	Problems to Possibilities		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58115	Composing the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Summer session

81512	Creative Practice and Methods		8cp

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58114	Fictions: Storytelling, Narrative and Drama		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81513	Past, Present, Future of Innovation		8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58212	Aesthetics		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Summer session

81514	Creativity and Complexity		8cp

Autumn semester

58213	Research and Practice		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81515	Leading Innovation		8cp

Spring semester

58301	Communication Practice Project		8cp
58311	Media Arts Project		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Summer session

81516	Initiatives and Entrepreneurship		8cp

Autumn semester

81521	Envisioning Futures		6cp
Select one of the following:			6cp
81522	Innovation Internship A	6cp	
81523	Speculative Start-Up	6cp	
81531	Innovation Capstone: Research and Development		12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10333v1 Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Arts in Communication (Public Communication) (BA)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609515 (Autumn semester)
CRICOS code: 079760G
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

The critical and theoretical approach offered in this course develops ethical and responsible communication professionals. This course provides students with interdisciplinary knowledge of public communication processes and industries, and their social, economic and political contexts with specialised expertise in public relations and/or advertising.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This course has a focus on professional communication careers including public relations and advertising. Students explore the communication contexts for these practices - cultural, social and political. Students develop their professional skills in campaign design and production, copywriting, media liaison and writing, research and evaluation, sponsorship and event management. Assignments provide material for a portfolio after graduation.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include advertising account executives, advertising copywriters, communication strategists, community relations managers, marketing communication specialists, media liaison officers, media researchers, political media advisers, public relations consultants, publicity officers and special events coordinators.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Arts in Communication (Public Communication).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

As part of the Bachelor of Arts in Communication (Public Communication), many assignments are practice based and all are relevant to understanding and working in the industry. Students undertake a professional placement in an organisation involved in public communication.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10024	Public Communication	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Advertising stream, Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58116	The Ecology of Public Communication		8cp
58103	Ideas in History		8cp

July session

81511	Problems to Possibilities	8cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Spring semester

Select one of the following:		8cp
58102	Language and Discourse	8cp
58101	Understanding Communication	8cp
58118	Principles of Advertising	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58129	Advertising Campaign Practice	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58229	Brand Advertising Strategies	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

58312	Integrated Communication	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

July session

81515	Leading Innovation	8cp

Spring semester

58301	Communication Practice Project	8cp
58230	Professional Advertising Practice	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Public Relations stream, Autumn commencing

Year 1

Autumn semester

Select one of the following:		8cp
58101	Understanding Communication	8cp
58102	Language and Discourse	8cp
58116	The Ecology of Public Communication	8cp
58103	Ideas in History	8cp

July session

81511	Problems to Possibilities	8cp

Spring semester

Select one of the following:		8cp
58102	Language and Discourse	8cp
58101	Understanding Communication	8cp
58117	Principles of Public Relations	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

58201	Communication and Cultural Industries and Practices	8cp
58128	Strategic Public Relations	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58214	Media Writing and Production	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

58312	Integrated Communication	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

July session

81515	Leading Innovation	8cp

Spring semester

58301	Communication Practice Project	8cp
58231	Organisational Communication	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10334v1 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Arts in Communication (Social Inquiry) (BA)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609520 (Autumn semester)
CRICOS code: 079762E
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

Social inquiry is where social and political theory and practices of research and communication converge. This cross-disciplinary course investigates society, explores current issues, and questions implications of change and progress in the global community. Students undertake professional studies as well as social, cultural and communication theory and practice so they can ask questions, research issues, develop advocacy skills and effectively develop communication strategies.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This is a cross-disciplinary course in which students combine social, political, historical and philosophical perspectives on what makes us members of society. Is change good, bad or both? Students learn how to understand social issues and how to think through ways of making a difference; how to research, communicate and plan contributions to national and international debates. The course equips students with the knowledge and skills to be involved in diverse organisations that want to make changes.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include community development workers, community project managers, international aid workers, local and community historians, media researchers, policy analysts, policy officers, political advisers, politicians, social researchers, trade union officials, social welfare officers, and change agents in a range of social, cultural, historical and political arenas.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Arts in Communication (Social Inquiry).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

As part of the Bachelor of Arts in Communication (Social Inquiry), students can elect to undertake a professional experience project with a community, corporate, non-government or government organisation. There are opportunities for parliamentary placement.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90550	Core subjects	48cp
MAJ09395	Social Inquiry	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58122	Introduction to Social Inquiry		8cp
58103	Ideas in History		8cp

July session

81511	Problems to Possibilities		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58124	Local Transformations		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Summer session

81512	Creative Practice and Methods		8cp

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58123	Society, Economy and Globalisation		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics	8cp
58218	Ideology, Beliefs and Visions	8cp

Select 8 credit points from the following options: 8cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

58219	Policy and Advocacy	8cp

Select 16 credit points from the following options: 16cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

July session

81515	Leading Innovation	8cp

Spring semester

58301	Communication Practice Project	8cp
58314	Social Inquiry Placement	8cp

Select 8 credit points from the following options: 8cp

CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10335v1 Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Arts in Communication (Journalism) (BA)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609505 (Autumn semester)
CRICOS code: 079763D
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

Journalism education at UTS is based on the principle that professional journalism is founded on the public's right to know. This degree develops professional skills across all media and critically engages with the intellectual, ethical and political foundations of journalism.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

The course is designed to meet the essential practical skills and theoretical knowledge needed for a career in journalism. Students gain a crucial understanding of the role that journalists play in creating a democratic public sphere, providing a forum for debate and giving voice to diverse communities. The course equips students with advanced research, writing, reporting and analytical skills for print, television, video, radio, audio and online media; and knowledge of the intellectual, ethical and political foundations of journalism.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include reporters, producers, publishers, editors, sub-editors, feature and freelance journalists, investigative journalists, media researchers, and strategists in the print, broadcast and online media.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Arts in Communication (Journalism).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

As part of the Bachelor of Arts in Communication (Journalism), students take part in relevant and applied journalism tasks throughout the course and can elect to undertake a professional placement with a media organisation.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10020	Journalism	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58110	Introduction to Journalism		8cp
58103	Ideas in History		8cp

July session

81511	Problems to Possibilities	8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58111	Reporting with Sound and Image		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58112	Reporting and Editing for Print and Online Journalism		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58210	Storytelling, Narrative and Features		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

58211	Specialist Reporting, Audiences and Interactivity		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81515	Leading Innovation	8cp

Spring semester

58301	Communication Practice Project		8cp
58310	Media Hub		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures		6cp
Select one of the following:			6cp
81522	Innovation Internship A	6cp	
81523	Speculative Start-Up	6cp	
81531	Innovation Capstone: Research and Development		12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10336v1 Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Arts in Communication (Information and Media) (BA)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609500 (Autumn semester)
CRICOS code: 079764C
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

This course has been specifically designed to respond to the new demands created by the increasing convergence of information, media and communication, design, and the creative arts. The course uses a 'learning through making' approach which is creative, collaborative and critical. The broad range of skills and knowledge needed for creative information practice is reflected in the portfolio students develop throughout the course.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

Students create a portfolio of products including blogs, podcasts, websites, databases as well as audience and user analyses. The degree also provides students with an opportunity to develop a secondary specialisation to complement core studies and to undertake a professional placement.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include work as collection developers, database designers, information architects, information managers, librarians, media researchers, new media producers, project managers, and web content developers or content managers.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Arts in Communication (Information and Media).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

As part of the Bachelor of Arts in Communication (Information and Media), students contribute to the development of their professional portfolio throughout the course, have opportunities for industry placements and undertake a final capstone project for a client.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10023	Information and Media	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58125	User Experience Design		8cp
58103	Ideas in History		8cp

July session

81511	Problems to Possibilities	8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58126	Information Discovery and Analysis		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58127	Information Cultures		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58220	Designing for the Web		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

58221	Social Informatics		8cp
Select 16 credit points from the following options:			16cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81515	Leading Innovation	8cp

Spring semester

58301	Communication Practice Project		8cp
58315	Managing Digital Information		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures		6cp
Select one of the following:			6cp
81522	Innovation Internship A	6cp	
81523	Speculative Start-Up	6cp	
81531	Innovation Capstone: Research and Development		12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10337v1 Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Arts in Communication (Creative Writing) (BA)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609525 (Autumn semester)
CRICOS code: 079767M
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

Creative writing at UTS is a practice- and disciplinary-based program focusing on narrative, poetics, reading and literary theory. This degree develops creative writing across several genres, fosters independent and professional writing skills via workshop and lecture study, and engages critically with the broader cultural context in which creative writing is produced and read.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

Students gain practical experience and theoretical engagement in the discipline of contemporary creative writing. They apply their skills across a number of key genres and narrative forms. An emphasis on critical skills leading towards the development of independent writing projects prepares students for professional practice.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include: editors, publishers, scriptwriters, literary agents, communication coordinators, arts and cultural administrators, copywriters, novelists, feature writers, publications officers, freelance writers, book marketing coordinators.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission to the combined degree is on merit according to the admissions policy for the Bachelor of Arts in Communication (Creative Writing).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a four-year, full-time basis.

Course structure

Students must complete 240 credit points, comprising 144 credit points in the communication component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

As part of the Bachelor of Arts in Communication (Creative Writing), students write in diverse forms and genres, and can elect to undertake a professional placement during their course.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90550	Core subjects	48cp
MAJ10037	Creative Writing	48cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course program

The following example shows a typical full-time program.

Autumn commencing

Year 1

Autumn semester

Select one of the following:			8cp
58101	Understanding Communication	8cp	
58102	Language and Discourse	8cp	
58121	Fictional Forms		8cp
58103	Ideas in History		8cp

July session

81511	Problems to Possibilities		8cp

Spring semester

Select one of the following:			8cp
58102	Language and Discourse	8cp	
58101	Understanding Communication	8cp	
58216	Imagining the Real		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	

Year 2

Summer session

81512	Creative Practice and Methods		8cp

Autumn semester

58201	Communication and Cultural Industries and Practices		8cp
58330	Narrative and Theory		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

July session

81513	Past, Present, Future of Innovation		8cp

Spring semester

58202	Regulating Communication: Law, Ethics, Politics		8cp
58902	Writing Through Genre		8cp
Select 8 credit points from the following options:			8cp
CBK90701	Sub-major choice	24cp	
CBK90702	Electives	24cp	

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

58313	Writing Laboratory	8cp
Select 16 credit points from the following options:		16cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

July session

81515	Leading Innovation	8cp

Spring semester

58301	Communication Practice Project	8cp
58331	Creative Writing Project	8cp
Select 8 credit points from the following options:		8cp
CBK90701	Sub-major choice	24cp
CBK90702	Electives	24cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10338v1 Bachelor of Laws Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Laws (LLB)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609575 (Autumn semester)
CRICOS code: 079765B
Commonwealth-supported place?: Yes
Load credit points: 240
Course EFTSL: 5

Overview

This course is for enterprising individuals who wish to develop the ability to turn ideas into action. It gives students the skills, perspectives and strategies to bring ideas to reality. Within this course, creativity is viewed as the driver of innovation, realised through the processes of design. Students are able to generate and test ideas within diverse disciplinary contexts and gauge the value of those ideas through hands-on experimental practice, rigorous processes of interpretation and analysis.

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

Students gain an in-depth understanding of legal challenges and concerns. This combined degree equips graduates to provide innovative and thoughtful solutions to complex challenges needed to bring a great idea to fruition.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Career options

Career options include entrepreneur, speculative start-up consultant, entrepreneurial lawyer, commercial lawyer, corporate lawyer, barrister, creative enterprise manager, solicitor, product development and lifecycle manager, market researcher, strategic analyst, brand development manager.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Proficiency in English and computer literacy.

Course duration and attendance

The course duration is four years of full-time study. The law component requires attendance of 10-15 hours of lectures a week and timetable constraints may require attendance at both daytime and evening classes.

Course structure

The course comprises a total of 240 credit points. The study components for course completion are as follows.

The law component of 144 credit points is made up of:

- 108 credit points of compulsory core law subjects
- 30 credit points of law options, and
- 6 credit points of legal theory options.

The creative intelligence and innovation component consists of 96 credit points. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

To practise as a lawyer in NSW, students need to successfully complete an accredited legal academic qualification (e.g. Bachelor of Laws) and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

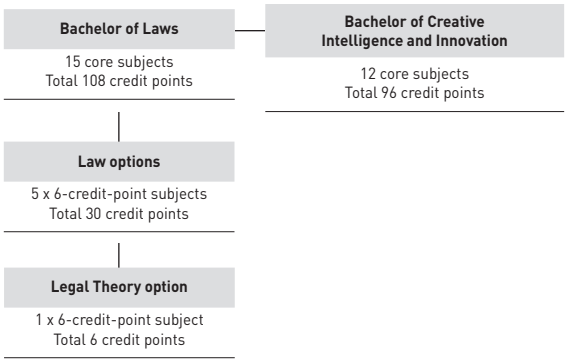
Students enrolled in this course may complete their practical legal training by undertaking a postgraduate course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90691	Law stream	144cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 240cp

Course diagram



Course program

The standard program shown is for a full-time student with law options.

All options shown are law options and are to be drawn from those on offer in CBK90922.

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

70211	Contracts	8cp
70311	Torts	8cp
70616	Australian Constitutional Law	8cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

70327	Commercial Law	6cp
70104	Civil Practice	6cp
70317	Real Property	8cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

70517	Equity and Trusts	8cp
70617	Administrative Law	8cp
70109	Evidence	6cp
71116	Remedies	6cp

Year 3

Summer session

81514	Creativity and Complexity	8cp

Autumn semester

70108	Public International Law	6cp
70417	Corporate Law	8cp

Select two subjects from the following: 12cp

CBK90922	Options (Law UG)	30cp

July session

81515	Leading Innovation	8cp

Spring semester

Select one subject from the following: 6cp

76008	Jurisprudence	6cp
76033	Animal Law and Policy in Australia	6cp
76057	Judgement and the Rule of Law	6cp
76081	Gender, Law and Sexuality	6cp
78039	Wickedness and Vice	6cp

Select three subjects from the following: 18cp

CBK90922	Options (Law UG)	30cp

Year 4

Summer session

81516	Initiatives and Entrepreneurship	8cp

Autumn semester

81521	Envisioning Futures	6cp

Select one of the following: 6cp

81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp

81531	Innovation Capstone: Research and Development	12cp

Spring semester

81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81532	Innovation Capstone: Realisation and Transformation	12cp

Honours

The Bachelor of Laws may be awarded with First or Second Class Honours, which does not require an additional honours year. Honours candidates must complete the research thesis within the law option component.

Professional recognition

This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer, provided students undertake the optional Practical Legal Training (PLT) program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519) at the completion of the course.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C10339v1 Bachelor of Engineering Bachelor of Creative Intelligence and Innovation

Award(s): Bachelor of Engineering (in name of Engineering major) (BE)
Bachelor of Creative Intelligence and Innovation (BCIInn)
UAC code: 609560 (Autumn semester)
CRICOS code: 079766A
Commonwealth-supported place?: Yes
Load credit points: 264
Course EFTSL: 5.5

Overview

This course is a comprehensive preparation for careers in the professional practice of engineering. Students learn to deal with complex systems and manage large-scale projects using the most appropriate emerging technologies.

Taking a trans-disciplinary approach, Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today's world.

This course adopts a practice-based approach to engineering education and the course content is a mix of theory and practice. As well as gaining strong technical skills in engineering, students gain skills in business analysis, problem solving, teamwork and communication. Employers look for graduates with industry experience and, in this course, students are exposed to real engineering problems in their coursework as well as completing 12 weeks' work experience. Interaction between work experience and academic curriculum is very strong.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

Course aims

The course aims to equip graduates with the skills and attributes needed for professional practice and leadership. It is based on the themes of academic development, personal development and professional formation. It provides sound foundations in engineering theory, technical expertise and knowledge of professional practice, while also developing academic literacy, advocacy skills and social awareness so that graduates become lifelong learners and effective citizens in many different capacities. The concept has been strongly endorsed in wide-ranging industry consultations.

Career options

Career options depend on the major chosen.

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Admission requirements

Applicants must have completed an Australian Year 12 qualification, Australian Qualifications Framework Diploma, or equivalent Australian or overseas qualification at the required level.

Admission requirements are the same as the Bachelor of Engineering Bachelor of Arts in International Studies (C10063) (see page 150).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Mathematics Extension 1; Physics; and English Standard.

English Advanced is recommended.

External articulation

Students who gain entry through the UTS INSEARCH pathway are eligible for 48 credit points of credit recognition.

Credit recognition

Engineering component: Students who have previously undertaken study at a university or other recognised tertiary education institution may be eligible for some academic credit for their prior study if the subjects previously completed are deemed by the Faculty of Engineering and Information Technology to be equivalent to subjects in the course.

The prior study must have been completed before commencement of this course, but no earlier than 10 years before commencement. Students must be able to demonstrate that their knowledge is current.

Credit recognition is not normally granted in this course for study completed at a private college except where UTS has an external articulation agreement with the college. Completed TAFE diplomas and advanced diplomas may be granted some credit recognition.

Course duration and attendance

The course is offered on a five-year, full-time basis.

Course structure

Students must complete 264 credit points, comprising 48 credit points of engineering core subjects, 120 credit points of engineering major and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and Summer sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

Industrial training/professional practice

This course is not available with the Diploma in Engineering Practice.

Students graduating with a Bachelor of Engineering without the Diploma in Engineering Practice are required to obtain the equivalent of at least 12 weeks' exposure to professional engineering practice, preferably outside the university environment. For further details, refer to 48100 Professional Practice.

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

Course completion requirements

STM90106	Core subjects	48cp
CBK90954	Major choice	120cp
48100	Professional Practice (BE)	0cp
STM90839	Core subjects (Creative Intelligence and Innovation)	96cp
		Total 264cp

Course program

The following example shows a typical full-time program.

Year 1

Autumn semester

48510	Introduction to Electrical Engineering	6cp
68037	Physical Modelling	6cp
33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp

July session

81511	Problems to Possibilities	8cp

Spring semester

33230	Mathematical Modelling 2	6cp
65111	Chemistry 1	6cp

Select one of the following: 6cp

48441	Introductory Digital Systems	6cp
48622	Mechatronics 1	6cp

Select one of the following: 6cp

48023	Programming Fundamentals	6cp
48221	Engineering Computations	6cp

Year 2

Summer session

81512	Creative Practice and Methods	8cp

Autumn semester

48240	Design and Innovation Fundamentals	6cp
91161	Cell Biology and Genetics	6cp
31271	Database Fundamentals	6cp
91400	Human Anatomy and Physiology	6cp

July session

81513	Past, Present, Future of Innovation	8cp

Spring semester

48250	Engineering Economics and Finance		6cp
48520	Electronics and Circuits		6cp
48541	Signal Theory		6cp
91703	Physiological Systems		6cp

Year 3

Summer session

81514	Creativity and Complexity		8cp

Autumn semester

48260	Engineering Project Management		6cp
41101	Fundamentals of Biomedical Engineering		6cp
91705	Medical Devices and Diagnostics		6cp
Select 6 credit points from the following options:			6cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	

July session

81515	Leading Innovation		8cp

Spring semester

48016	Capstone Project Part A		6cp
48270	Entrepreneurship and Commercialisation		6cp
Select 12 credit points from the following options:			12cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	

Year 4

Summer session

81516	Initiatives and Entrepreneurship		8cp

Autumn semester

48026	Capstone Project Part B		6cp
Select one subject from the following:			6cp
91403	Medical Imaging	6cp	
91706	Neuroscience	6cp	
48623	Mechatronics 2	6cp	
48560	Introductory Control	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31250	Introduction to Data Analytics	6cp	
Select two subjects from the following:			12cp
41105	Biomedical Signal and Image Processing	6cp	
42001	Bioinformatics	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
49261	Biomedical Instrumentation	6cp	

Spring semester

Year 5

Autumn semester

81521	Envisioning Futures		6cp
81531	Innovation Capstone: Research and Development		12cp
Select one of the following:			6cp
81522	Innovation Internship A	6cp	
81523	Speculative Start-Up	6cp	

Spring semester

81524	Professional Practice at the Cutting Edge		6cp
81525	Innovation Internship B		6cp
81532	Innovation Capstone: Realisation and Transformation		12cp
48100	Professional Practice (BE)		0cp

Levels of award

The Bachelor of Engineering may be awarded with first or second class honours for meritorious performance in the course as a whole.

Transfer between UTS courses

Students in the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142), Bachelor of Engineering (C10067) (see page 155), or Bachelor of Engineering Science (C10066) (see page 152) can apply to transfer into this course after completing the first year of their current course.

Local students in this course may apply to transfer to the single degree, the Bachelor of Engineering Diploma in Engineering Practice (C10061) (see page 142).

Professional recognition

The Bachelor of Engineering is accredited by Engineers Australia (under the Washington Accord the degree is internationally recognised by countries including the UK, USA, Hong Kong China, Malaysia, Korea, Japan, Ireland, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Further information specifically on the Bachelor of Creative Intelligence and Innovation is available from the Building 6 Student Centre.

C20049v1 Diploma in Information Technology Professional Practice

Award(s): Diploma in Information Technology Professional Practice (DipInfTechProfPrac)
CRICOS code: 062709E
Commonwealth-supported place?: Yes
Load credit points: 12
Course EFTSL: 0.25
Location: City campus

Overview

The Diploma in Information Technology Professional Practice is not a separate course in its own right but is taken in conjunction with UTS: Information Technology's undergraduate bachelor programs.

Students must obtain suitable employment and work for a minimum of nine months full time and must undertake the academic subjects related to their industrial training. International students can work full-time for the duration of the diploma.

The diploma is extremely beneficial for students relating their final year of coursework to the practical needs of the IT industry. This experience is invaluable when applying for graduate career positions.

Course aims

The course aims to develop students' technical and generic work skills in a workplace environment. It also enables students to develop lifelong learning skills and gain a better understanding of the relationship between theory and practice.

Career options

For career options, refer to the main degree undertaken. The diploma increases students' employability by providing at least nine months' work experience before graduation. Many students continue working with their industrial training employer and finish their studies part time.

This course is normally available to students who are currently enrolled in the Bachelor of Science in Information Technology (C10148) (see page 197), Bachelor of Science in Information Technology Bachelor of Arts in International Studies (C10239) (see page 245), Bachelor of Business Bachelor of Science in Information Technology (C10219) (see page 231), Bachelor of Science in Information Technology Bachelor of Laws (C10245) (see page 262), Bachelor of Mathematics and Computing (C10158) (see page 205), Bachelor of Science in Games Development (C10229) (see page 242), Graduate Diploma

of Interactive Multimedia (C07078) (see page 466) and Master of Interactive Multimedia (C04158) (see page 385).

Students must have progressed to a particular stage of their program of study and completed certain subject requirements before being admitted concurrently to the Diploma in Information Technology Professional Practice. Students who have completed all subjects in their course may still enrol in the diploma, but cannot graduate from their course until they finish the diploma.

Non-UTS students who hold an ACS Foundation work integrated learning scholarship may also apply for the Diploma in Information Technology Professional Practice.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

- Application closing dates are: 25 February 2013 (for Autumn semester 2013)
- 29 July 2013 (for Spring semester 2013).

Local students

Students must complete the Diploma in Information Technology Professional Practice direct application form available at:

www.uts.edu.au/future-students/find-a-course/courses/c20049

International students

Students must complete the international student undergraduate application form available from UTS International at:

www.uts.edu.au/international/prospective/studying/apply

Course duration and attendance

Students are required to obtain approved, full-time employment within the IT industry for a minimum of nine months and complete two semesters of academic study.

Students are required to notify the faculty of any changes to their circumstances that affect their industrial training, including notification of the start and finish dates of their industrial training.

Course structure

In addition to undertaking industrial training, students are required to complete 12 credit points comprising the two industrial training subjects below.

Course completion requirements

31136	Preparation for and Review of IT Experience	6cp
31137	IT Experience 1	0cp
31138	Review of IT Experience	6cp
31139	IT Experience 2	0cp
		Total 12cp

Course program

The course program is shown below.

Year 1

Autumn semester

31136	Preparation for and Review of IT Experience	6cp
31137	IT Experience 1	0cp

Spring semester

31138	Review of IT Experience	6cp
31139	IT Experience 2	0cp

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

POSTGRADUATE COURSEWORK COURSES

C04006v6 Master of Project Management

Award(s): Master of Project Management (MPM)
UAC code: 940103 (Autumn semester, Spring semester)
CRICOS code: 001099J
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

With close industry contact, the course is delivered through block workshops designed to emulate project environments, giving students the opportunity to directly develop their ability to manage real projects. The program is rigorous, and is globally recognised for its tradition of excellence. The UTS program was the first Australian program to be accredited by the Project Management Institute's (PMI) Global Accreditation Centre. The foundation subjects are compatible with the structures used by the PMI and Australian Institute of Project Management (AIPM) to certify practitioners.

This program provides practice-based knowledge, skills and tools for the delivery of different types and sizes of projects and programs across all industry sectors, underpinned by theory and research. At the forefront of industry trends, the UTS program incorporates project complexity, program management, governance, reflective practice and leadership.

Drawing on areas of excellence from across UTS, students may choose a sub-major in business, IT, engineering or construction (from 2013), or undertake a pure project management postgraduate degree.

Course aims

Successful graduates of the course can:

- select and critically apply relevant theory to practice
- develop and apply appropriate project management methodologies to suit different project and organisational contexts
- demonstrate application of reflective practice
- communicate in a variety of forms across culturally diverse project and organisational contexts
- demonstrate the capacity to take a leadership role in project, program and portfolio management
- demonstrate advanced-level skills in managing relationships between key stakeholders in a variety of contexts both in Australia and internationally
- exhibit an understanding of the application of ethical practice to project governance in a variety of settings both in Australia and internationally
- select and apply creative problem-solving skills to all phases of the project life cycle
- apply critical thinking, analytical and research skills to a range of project and program management contexts
- understand, select from and apply a range of systems thinking approaches to a variety of project and organisational contexts.

Career options

The course is highly regarded by industry as providing in-demand, 'professionally excellent' graduates. Its focus on leadership, program management and governance increases the employability of graduates at senior levels in many local and international industries, including banking and finance, construction and engineering, event management, government, health and IT.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants also require six months industry experience if they have not completed the Graduate Certificate in Project Management (C11005) (see page 475).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Exemptions of up to 24 credit points may be given for equivalent prior learning. Applicants with a four-year degree in a related field of study may be given up to 24 credit points of exemptions.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis. Because the intensive workshops are widely spaced throughout the year, many students choose to accelerate the part-time master's program and complete it within two years.

Course structure

Students choose 72 credit points from a list of compulsory and elective subjects.

Course completion requirements

CBK90603	PM Foundation	24cp
CBK90860	PM advanced	48cp
		Total 72cp

Course program

A typical course program is shown below.

No sub-major

Year 1

Autumn semester

Select 24 credit points from the following options:		24cp
15312	Communication and Critical Thinking	6cp
15459	Project Management Methodologies	6cp
15315	Project Management Principles	6cp
15316	Project Management Knowledge Areas	6cp

Spring semester

Select 24 credit points from the following options:		24cp
15338	Strategic Procurement and Contract Management	6cp
15335	Project Appraisal and Finance	6cp
15325	Negotiation and Conflict Management	6cp
15326	Project Management Practicum	6cp
15327	Managing Project Complexity	6cp
15330	Program Management	6cp
15336	Systems Thinking for Managers	6cp
15346	Governance and Leadership of Project Management	6cp
15347	The Project Organisation: A New Organisational Model	6cp
15356	Project Performance Improvement	6cp
15462	Introduction to Research	6cp
15463	The Research Process	6cp
15348	Commercial Management of Projects	6cp
15350	Professional Project Practice	6cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 2

Autumn or Spring semester

Select 24 credit points from the following options:			24cp
15335	Project Appraisal and Finance	6cp	
15325	Negotiation and Conflict Management	6cp	
15326	Project Management Practicum	6cp	
15327	Managing Project Complexity	6cp	
15330	Program Management	6cp	
15336	Systems Thinking for Managers	6cp	
15338	Strategic Procurement and Contract Management	6cp	
15346	Governance and Leadership of Project Management	6cp	
15347	The Project Organisation: A New Organisational Model	6cp	
15356	Project Performance Improvement	6cp	
15462	Introduction to Research	6cp	
15463	The Research Process	6cp	
15348	Commercial Management of Projects	6cp	
15349	Integrated Project Delivery Management	6cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Project Management (C11005) (see page 475), the Graduate Diploma in Project Management (C07004) (see page 455) and the Master of Project Management. Each stage is self-contained and can be undertaken through part-time or full-time study.

The graduate diploma is offered as an exit point for students who do not wish to go on to complete the master's degree but who otherwise finish with 48 credit points. Direct entry to the graduate diploma is not available.

Articulation from the graduate certificate to the Master of Project Management is allowed with the approval of the course director.

Professional recognition

This program is accredited by the Project Management Institute's (PMI) Global Accreditation Centre and the Royal Institute of Chartered Surveyors (RICS). It is endorsed by the Australian Institute of Project Management (AIPM), which is a member of the International Project Management Association (IPMA).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C04007v6 Master of Planning

Award(s): Master of Planning (MPlan)
UAC code: 940105 (Autumn semester, Spring semester)
CRICOS code: 064794J
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

This course provides students with a thorough understanding of the economic, sociological, environmental and other theoretical and practical knowledge underpinning the governance in urban management and urban development. It has a strong focus on sustainable urban development.

With an engaged and practical approach, this course focuses on urban planning and development processes, sustainability and creative development control, and enhances knowledge and skills in urban management, property development, urban design and environmental policy.

Property development and planning students study a common first year, which develops a mutual understanding of how to balance private and public interests in urban development.

Course aims

Graduates of this course understand the nature and methods of planning and urban management and the interdependency of various urban policy fields, agencies and institutions which enable sound urban outcomes.

They can responsibly participate in planning debates, apply sound and appropriate urban design principles, communicate at a superior level and constructively reflect on planning methods and practice.

Graduates also recognise and develop ethical, just and professional methodological approaches and practices.

Career options

Skills in community planning, development control, infrastructure management, planning and environmental law, and strategic planning open up careers in government departments and agencies, local government, major development companies and private consulting firms.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

An appropriate first degree can include the Graduate Diploma in Planning (C07002) (see page 454), or a bachelor's degree in planning, architecture, geography, economics, property economics, commerce, law, engineering or building. Other bachelor's degrees may also be considered.

Work experience is considered relevant if it includes the holding of a responsible position related to the planning or administration of land or design, financing, regulation, construction or management of buildings or infrastructure.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis.

All lectures, seminars, workshops and site visits are held during four full-time weeks spread through the year. This facilitates interaction and teamwork, and meets the needs of busy professionals and those living outside Sydney.

In the part-time program, students attend 10 week-long sessions in the first two-and-a-half years and the equivalent of two weeks in the last half year.

Full-time students attend six week-long sessions in each year of the two years of the program in conjunction with part-time students. Between attendance weeks they may attend additional classes and seminars.

Course structure

The course requires the completion of 72 credit points.

Course completion requirements

STM90502	Core subjects (Property and Planning)	24cp
STM90503	Level 2 core subjects (Planning)	24cp
CBK90597	Options (Planning) Level 3	24cp
		Total 72cp

Course program

The examples below show full-time and part-time programs for students choosing the combined or major project options.

Full time, minor project and electives option

Year 1

Autumn semester

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp
15222	Urban Design	6cp
17700	Planning and Environmental Law	6cp

Spring semester

15241	Urban Economics and Finance	6cp
15143	Group Project A: Urban Renewal	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp

Year 2

Autumn semester

15301	Planning Theory and Decision Making	6cp
15345	Minor Project	6cp

Select 12 credit points of electives 12cp

Full time, major project option

Year 1

Autumn semester

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp
15222	Urban Design	6cp
17700	Planning and Environmental Law	6cp

Spring semester

15241	Urban Economics and Finance	6cp
15143	Group Project A: Urban Renewal	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp

Year 2

Autumn semester

15301	Planning Theory and Decision Making	6cp
15302	Major Project: Methods	6cp
15303	Major Project: Analysis	6cp
15304	Major Project: Outcomes	6cp

Part time, minor project and electives option

Year 1

Autumn semester

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp

Spring semester

15222	Urban Design	6cp
17700	Planning and Environmental Law	6cp

Year 2

Autumn semester

15241	Urban Economics and Finance	6cp

Spring semester

15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp

Year 3

Autumn semester

15301	Planning Theory and Decision Making	6cp
15345	Minor Project	6cp

Spring semester

Select 12 credit points of electives 12cp

Part time, major project option

Year 1

Autumn semester

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp

Spring semester

15143	Group Project A: Urban Renewal	6cp
17700	Planning and Environmental Law	6cp

Year 2

Autumn semester

15222	Urban Design	6cp
15241	Urban Economics and Finance	6cp

Spring semester

15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp

Year 3

Autumn semester

15301	Planning Theory and Decision Making	6cp
15302	Major Project: Methods	6cp

Spring semester

15303	Major Project: Analysis	6cp
15304	Major Project: Outcomes	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Property and Planning (C11001) (see page 475), the Graduate Diploma in Planning (C07002) (see page 454) and the Master of Planning.

Professional recognition

This course meets the educational requirements for corporate membership of the Planning Institute of Australia.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C04008v5 Master of Property Development

Award(s): Master of Property Development (MProDev)
UAC code: 940100 (Autumn semester, Spring semester)
CRICOS code: 019745C
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

This course is designed for both property practitioners and graduates in other fields who wish to extend their qualifications and expertise in property development and management. Graduates have a commitment to professionalism in the property sector.

This course is for property professionals who want to upgrade their qualifications or expertise or for those who wish to enter the property industry. Property development and planning students study a common first year, which develops an understanding of how to balance private and public interests in urban development.

Course aims

The course provides a thorough and advanced grounding in all aspects of the property development process, markets and institutions, including the political, managerial, legal and physical systems that contribute to the effective management and development of property assets, property investment portfolios and development proposals.

It is designed to provide valuers and other property practitioners with opportunities to enhance their qualifications and expertise and provide professionals from other fields with an understanding of property development and investment issues and techniques.

Career options

Career options include positions in banking and government instrumentalities, finance, management and development, and property investment.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence

of general and professional qualifications that demonstrates potential to pursue graduate studies.

An appropriate first degree includes the Graduate Diploma in Property Development (C06006) (see page 438).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis. The course features intensive block attendance patterns.

Course completion requirements

STM90502	Core subjects (Property and Planning)	24cp
CBK90622	Property options (PG)	24cp
STM90564	Core subjects	24cp
		Total 72cp

Course program

The example programs below are for a student commencing in Autumn or Spring semester and undertaking the course full time.

Full time, Autumn commencing

Year 1

Autumn semester

15142	Property Development Process		6cp
Select one of the following:			6cp
12535	Development Feasibility and Valuation	6cp	
15222	Urban Design	6cp	
15146	Sustainable Urban Development		6cp
17700	Planning and Environmental Law		6cp

Spring semester

17704	Property Development Finance		6cp
15143	Group Project A: Urban Renewal		6cp
Select 12 credit points from the following options:			12cp
12515	Strategic Asset Management	6cp	
17553	Construction Cost Planning	6cp	
17772	Commercial Retail Property Management	6cp	
17774	Green Building Evaluation	6cp	
12535	Development Feasibility and Valuation	6cp	
15222	Urban Design	6cp	

Year 2

Autumn semester

12518	Property Transactions		6cp
17551	Property Market and Risk Analysis		6cp
Select 12 credit points from the following options:			12cp
12515	Strategic Asset Management	6cp	
171200	Conservation and Heritage	6cp	
17518	Advanced Property Development	6cp	
17703	Property Taxation	6cp	

Full time, Spring commencing

Year 1

Spring semester

15142	Property Development Process		6cp
Select one of the following:			6cp
12535	Development Feasibility and Valuation	6cp	
15222	Urban Design	6cp	
15146	Sustainable Urban Development		6cp
17700	Planning and Environmental Law		6cp

Year 2

Autumn semester

17704	Property Development Finance		6cp
15143	Group Project A: Urban Renewal		6cp
Select 12 credit points from the following options:			12cp
12515	Strategic Asset Management	6cp	
171200	Conservation and Heritage	6cp	
17703	Property Taxation	6cp	

Spring semester

12518	Property Transactions		6cp
17551	Property Market and Risk Analysis		6cp
Select 12 credit points from the following options:			12cp
12515	Strategic Asset Management	6cp	
17553	Construction Cost Planning	6cp	
17772	Commercial Retail Property Management	6cp	
17774	Green Building Evaluation	6cp	
12535	Development Feasibility and Valuation	6cp	
17518	Advanced Property Development	6cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Property and Planning (C11001) (see page 475), the Graduate Diploma in Property Development (C06006) (see page 438) and the Master of Property Development.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C04018v5 Master of Business Administration

Award(s): Master of Business Administration (MBA)
CRICOS code: 025004A
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

The UTS MBA is distinguished from the competition by its practical, vocational orientation and by the open architecture of the course design. All MBA subjects are approved by an industry board that insists on 'relevance to workplace' as a pre-eminent subject design principle. The MBA provides knowledge and skills that are essential for superior management performance.

The course provides unparalleled program flexibility. Students design their MBA to match their employment aspirations. A wide range of specialist skills is also introduced through a choice of majors and sub-majors. The teaching staff are drawn from among the finest researchers and university educators around the world, keeping students abreast of current trends and focusing on the global picture.

Course aims

- General management skills develop expertise in strategic thinking, critical analysis, developing and implementing business plans, decision-making under uncertainty, understanding organisational dynamics, motivating others, effective communication, leadership and promoting change in dynamic environments.
- Functional skills develop competency in a number of key disciplines including accounting, finance, marketing and human resources management.
- Specialist skills are introduced in areas such as international marketing, human resource management, management in the public, private and international spheres, tourism, sport, arts management, engineering management and information technology.

Career options

The MBA is the most recognised and most transportable postgraduate degree. Students in the MBA know that to realise their full career

potential, additional managerial skills and credentials are essential. Personal investment in a demanding MBA program that is recognised for both intellectual rigour and practical application of knowledge will accelerate students' career progression or introduce new career pathways.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants also require:

- a minimum grade point average (GPA) of 2.75 out of 4 with less than 10 per cent fail grades, or
- a Graduate Management Admission Test (GMAT) overall minimum score of 550, or
- a minimum of at least four years' relevant work experience.

Applicants with a relevant graduate certificate must have completed it with at least a credit average. Applicants applying with a GMAT, should achieve an overall minimum score of 550 with verbal 25, quantitative 35 and AWA 4.0.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of 10 subject exemptions in the MBA, of which four core subjects may be approved from prior undergraduate study.

Further information is available at:

www.gsb.uts.edu.au/student/rpl

Course duration and attendance

The MBA is normally completed in two years of full-time or four years of part-time study. Completion time may be accelerated by undertaking subjects in intensive mode during Summer session. Classes for core subjects are held during the day as well as in the evening.

Course structure

The course comprises 96 credit points, made up of eight compulsory core subjects (totalling 48 credit points) and eight elective subjects (totalling 48 credit points).

Electives can be taken in one of three ways: as one major (48 credit points), as two sub-majors (24 credit points each), or as one sub-major (24 credit points) plus 24 credit points of mixed electives.

Course completion requirements

STM90345	Core subjects	48cp
CBK90214	Major/Two sub-majors/Sub-major + four electives	48cp
		Total 96cp

Course program

The lists of core subjects and available majors and sub-majors are provided below.

Core subjects

21800	Management and Organisations	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
21844	Managing Work and People	6cp
25742	Financial Management	6cp
24734	Marketing Management	6cp
21715	Strategic Management	6cp
21878	Organisational Dialogue: Theory and Practice	6cp

List of majors

MAJ08049	Accounting Information Systems	48cp
MAJ08934	Accounting and Finance	48cp
MAJ02044	Information Technology	48cp
MAJ09362	Business Law	48cp
MAJ08938	Technology Management	48cp
MAJ08940	Finance	48cp
MAJ08476	Management	48cp
MAJ08020	Human Resource Management	48cp
MAJ08941	International Business	48cp
MAJ08480	Marketing	48cp
MAJ08483	Professional Accounting	48cp

List of sub-majors

SMJ08098	Accounting Information Systems	24cp
SMJ08071	Arts Management	24cp
SMJ02038	Information Technology	24cp
SMJ09037	Business Law	24cp
SMJ08209	Community Management	24cp
SMJ08075	Engineering Management	24cp
SMJ08147	Finance	24cp
SMJ08066	Human Resources Management	24cp
SMJ08148	International Business	24cp
SMJ10028	International Exchange	24cp
SMJ08208	Management	24cp
SMJ08084	Marketing	24cp
SMJ08111	Marketing Research	24cp
SMJ08086	Project Management	24cp
SMJ08153	Public Relations	24cp
SMJ08155	Sport Management	24cp
SMJ08038	Strategic Management	24cp
SMJ08205	Strategic Marketing	24cp
SMJ08156	Tourism Management	24cp
SMJ08037	Operations and Supply Chain	24cp
SMJ08210	Value Creation in Services	24cp
SMJ08213	Event Management	24cp

Articulation with UTS courses

While the MBA is offered as a stand-alone qualification, it is also part of an articulated program of study comprising the Graduate Certificate in Business Administration (C11008) (see page 476), the Graduate Diploma in Business Administration (C06009) (see page 439), and the Master of Business Administration (MBA). This enables students who satisfactorily complete the Graduate Certificate in Business Administration or the Graduate Diploma in Business Administration to apply for entry to the MBA.

Where a student articulates from one level of study to another, only one testamur is issued.

Professional recognition

CPA Australia; Institute of Chartered Accountants in Australia (ICAA); Australian Human Resources Institute; Institute of Public Accountants (IPA)

The MBA with Professional Accounting major meets the formal academic requirements for associate membership of CPA Australia and the ICAA. In order to meet the educational requirements for membership of CPA Australia and the ICAA, students undertaking the Professional Accounting major must also complete an introductory law subject. Students who have not previously completed an undergraduate law subject by examination must study 79708 Contemporary Business Law in place of 21844 Managing Work and People.

Students completing this degree with a major in human resource management are eligible to apply to the Australian Human Resources Institute (AHRI) for the professional member (MAHRI) status.

Students completing this degree with a major in finance are eligible to apply for associate membership at the Financial Services Institute of Australasia (FINSIA) and are also eligible to apply for Certified Finance and Treasury Professional at the Finance and Treasury Association (FTA).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04031v6 Executive Master of Business Administration

Award(s): Executive Master of Business Administration (MBA)
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Note(s)

This course is under review. The next intake is for a revised program in Spring semester 2014.

This course is not offered to international students.

Overview

The Executive MBA is designed as a general management qualification for ambitious individuals with considerable work experience who are looking to further develop their business and strategic leadership skills. The overarching goal of the course is to produce graduates who can operate a business function, unit or organisation by building students' capabilities in technical, professional and interpersonal skills.

The Executive MBA curriculum is strongly experientially oriented and provides students with decision-making experiences that emulate the real world of business. The requirements of professional bodies; recent research and scholarship data on successful graduates; information from employers and advisory committees; and industry groups have informed the attributes and learning goals. The course is structured in such a way that students can choose to progress through the degree in a group. The cohort model is designed to foster a sense of union, facilitate networking and encourage cooperative relationships with a focus on leadership and group dynamics.

Course aims

The aim of the Executive MBA degree is to develop students' business acumen through an enhanced capacity for integrity, judgment and intuition. Executive MBA students develop advanced competency in a number of key disciplines including accounting, economics, finance, marketing and strategic management. The learning goals of the degree are designed to meet the needs of today's rapidly changing enterprises including areas such as electronic business, finance, banking, corporate accounting, marketing, operations management, employment relations, management in the public, private and international spheres, information technology, engineering, and event, tourism, sport, arts and leisure management. The focus is on developing specific skills including the ability to integrate accounting, finance, marketing and management skills for progressive solutions and sound management decisions; capacity for analysing and synthesizing complex information and knowledge for tactical and strategic business decisions; effective leadership and teamwork skills; and designing innovative business models and strategies that adhere to the principles of responsible corporate governance and social responsibility.

Career options

Career options include senior general management roles in business or business unit manager, business planning, business strategist, and general management consultant.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants also require five years' relevant work experience or a UTS Graduate Certificate in Executive Business Administration (C11208) (see page 509), with a credit average. Applicants may be required to attend an interview as part of the admission process.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students in the Executive MBA are not granted exemptions for any prior studies.

Course duration and attendance

The course is expected to be completed in two years of part-time study.

Teaching is conducted in sequential eight-week blocks. The first and last (capstone) subjects are taught in residence.

Course structure

The course comprises 96 credit points, made up of nine core subjects and three elective subjects (all subjects are 8 credit points each). Students in this course are taught separately from other graduate students. Two core subjects are studied in 'residence mode', and the elective subjects include a study tour of leading European or North American business schools and industry visits (restricted numbers and conditions apply).

Course completion requirements

STM90344	Core subjects	72cp
CBK90589	Electives	24cp
		Total 96cp

Course program

The list of core and elective subjects is provided below.

27800	Applied Leadership and Strategy	8cp
25841	Decision Making Tools	8cp
21875	Organisational Behaviour in Practice	8cp
22814	Accounting Information for Managers	8cp
23845	Managerial Economics	8cp
21874	Corporate Governance and Sustainability	8cp
25846	Managerial Finance	8cp
24800	Managerial Marketing	8cp
21873	Global Business Strategies	8cp

Select 24 credit points from the following options: 24cp

21872	Organisational Analysis	8cp
21869	Innovation and Entrepreneurship	8cp
21870	Strategic Human Resource Management	8cp
21871	Operations and Value Chain Strategy	8cp
22816	Financial Analysis and Business Valuations	8cp
22815	Business Decisions and Models	8cp
24808	Advanced Marketing Strategies	8cp
24807	Marketing Strategy in Practice	8cp
25844	Managerial Corporate Finance	8cp
26800	International Business Consulting	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Executive Master of Business Administration (EMBA) and the Graduate Certificate in Executive Business Administration (C11208) (see page 509).

Transfer is not permitted from any existing Graduate School of Business program to the EMBA. Transfer out of the EMBA is only permitted in extraordinary circumstances at the discretion of the Head, Graduate School of Business.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C04037v5 Master of Business in Accounting Information Systems

Award(s): Master of Business in Accounting Information Systems (MBus)
CRICOS code: 009461J
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Business in Accounting Information Systems is the 'flagship' course in business/enterprise systems and business intelligence related education at UTS. The course equips students with a broad range of skills ranging from essentials in financial accounting, finance and management accounting, to best practises in enterprise information management, project management and business intelligence, with an integrative, cross-functional, business process integration capstone subject rounding off the course. The

course addresses many conceptual issues, but it presents them in a very practical, hands-on setting to maximise the work-readiness of graduates. It presents accounting as an information management function supporting all other business functions.

The course develops competencies in accounting software packages, ranging from small business accounting packages (e.g. MYOB) to large integrated enterprise resource planning systems (e.g. SAP ERP). The course acknowledges the fact that ERP systems and BI solutions have significantly changed the way accounting is done in organisations and is designed to provide the necessary skills to graduates that are greatly needed in all forms of enterprises, including commercial, government and not-for profit industries.

Career options

Career options include senior positions in accounting and information management in all forms of enterprises, including commercial, government and not-for profit industries. Typical job profiles include systems accountant, management accountant, financial controller, IS auditor, forensic accountant, business analyst, financial or IS project manager, trainer/educator in (accounting) systems, business intelligence manager, data and reporting specialist/manager and enterprise risk manager/consultant.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions based on credit recognition, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

The course totals 72 credit points of study, made up of 12 compulsory core subjects.

Course completion requirements

STM90709	Core subjects (Accounting Information Systems)	72cp
		Total 72cp

Course program

A typical full-time program is provided below, showing a suggested study sequence for students undertaking the course full time for Autumn semester commencement. Most of the subjects are offered in both Autumn and Spring semesters.

Year 1

Autumn semester

22708	Accounting Information Systems	6cp
22747	Accounting for Managerial Decisions	6cp
22759	Accounting and ERP	6cp
22766	Assurance for Enterprise Systems	6cp

Spring semester

22776	Business Information Systems	6cp
25742	Financial Management	6cp
22753	Cost Management and Analysis	6cp

Select 6 credit points from the following options: 6cp

22797	Business Intelligence 1: Advanced Analysis	6cp
22783	Business Intelligence 2: Advanced Planning	6cp

Year 2

Autumn semester

22787	Business Project Management	6cp
22705	Management Planning and Control	6cp
22782	Business Process Integration with ERP	6cp

Select 6 credit points from the following options: 6cp

22797	Business Intelligence 1: Advanced Analysis	6cp
22783	Business Intelligence 2: Advanced Planning	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Accounting Information Systems (C11017) (see page 477) and the Master of Business in Accounting Information Systems.

Professional recognition

The Master of Business in Accounting Information Systems is not recognised by CPA Australia as meeting the membership entry requirements for applicants who do not have a recognised undergraduate degree. Such applicants should enrol in the MBA (Professional Accounting major) (C04018) (see page 355). However, applicants with a recognised undergraduate degree can include CPA Australia accredited postgraduate subjects in their Master of Business in Accounting Information Systems program in order to meet the accounting studies requirements for CPA Australia membership. It is recommended that applicants obtain an assessment from CPA Australia of the subjects they are required to complete before enrolling in their program and then discuss this assessment with the course coordinator.

Assessment forms are available from the CPA Australia website, under Membership, at:

www.cpaaustralia.com.au

or contact:

NSW Office of CPA Australia

telephone +61 2 9375 6200

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C04038v6 Master of Business in Accounting and Finance

Award(s): Master of Business in Accounting and Finance (MBus)
CRICOS code: 036577F
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Business in Accounting and Finance provides advanced-level study in a range of contemporary accounting and finance issues.

The core subjects chosen from both accounting and finance are designed to offer a balanced coverage of both disciplines.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions based on credit recognition, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

The course totals 72 credit points of study, made up of 12 core subjects.

Course completion requirements

22754	Corporate Accounting	6cp
25731	International Finance	6cp
25721	Investment Management	6cp
79708	Contemporary Business Law	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
22743	Business Valuation and Financial Analysis	6cp
25741	Capital Markets	6cp
25765	Corporate Finance	6cp
22748	Financial Reporting and Analysis	6cp
22730	Auditing and Assurance Services	6cp
		Total 72cp

Course program

A typical full-time program is provided below, showing a suggested study sequence for students undertaking the course full time for Autumn semester commencement. Most of the subjects are offered in both Autumn and Spring semesters.

Year 1

Autumn semester

22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp

Spring semester

25741	Capital Markets	6cp
22748	Financial Reporting and Analysis	6cp
25765	Corporate Finance	6cp
22754	Corporate Accounting	6cp

Year 2

Autumn semester

25731	International Finance	6cp
25721	Investment Management	6cp
22730	Auditing and Assurance Services	6cp
22743	Business Valuation and Financial Analysis	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Accounting and Finance (C11015) (see page 477), the Graduate Diploma in Accounting and Finance (C07012) (see page 456) and the Master of Business in Accounting and Finance.

Professional recognition

This course meets the educational requirements of membership at the level of Certified Finance and Treasury Professional (CFTP), awarded by the Finance and Treasury Association.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C04048v5 Master of Business in Finance

Award(s): Master of Business in Finance (MBus)
CRICOS code: 036581K
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Business in Finance provides a comprehensive range of skills and expertise expected of leading practitioners in the banking and finance sectors.

The Finance program provides participants with the opportunity to acquire knowledge of finance theory and techniques for leading-edge professional practice purposes.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions based on credit recognition, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

The course comprises 72 credit points, made up of nine core subjects (totalling 54 credit points) plus elective subjects (totalling 18 credit points).

Course completion requirements

CBK90381	Elective choice (Finance)	18cp
STM90366	Core subjects (Finance)	54cp
		Total 72cp

Course program

The list of core subjects is shown below, followed by the list of available electives.

23706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
25741	Capital Markets	6cp
25705	Financial Modelling and Forecasting	6cp
25721	Investment Management	6cp
25765	Corporate Finance	6cp
25731	International Finance	6cp
25743	Corporate Financial Analysis	6cp

Select 18 credit points from the following options: 18cp

25728	Bond Portfolio Management	6cp
25729	Applied Portfolio Management	6cp
25751	Financial Institution Management	6cp
25752	Financial Institution Lending	6cp
25762	Derivatives and Risk Management	6cp
25796	Personal Wealth Management	6cp
25807	Mergers and Acquisitions	3cp
25824	Project Finance	3cp
77947	Companies and Securities Law	6cp
25798	Ethics and Professional Standards in Finance	3cp
25782	Alternative Investments	6cp
25783	Behavioural Finance	3cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Finance (C11027) (see page 479), the Graduate Diploma in Finance (C07021) (see page 458) and the Master of Business in Finance.

Professional recognition

The Master of Business in Finance covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered. Completion of the Master of Business in Finance meets the education requirements of membership at the level of Certified Finance and Treasury Professional (CFTP). It also meets the educational requirements at the level of Senior Associate (SA Fin), in conjunction with work experience, at the Financial Services Institute of Australasia (FINSIA). The Master of Business in Finance has also been awarded postgraduate partnership status by CFA Institute (USA). The degree's curriculum is closely tied to global professional practice and is well suited to students preparing to sit for CFA® (Chartered Financial Analyst®) program examinations.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C04052v4 Master of Quantitative Finance

Award(s): Master of Quantitative Finance (MQF)
CRICOS code: 079972F
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Quantitative Finance provides the full gamut of specialised quantitative finance skills and development of professional competency required to be a quantitative finance specialist performing at the cutting edge of the discipline.

Participants have the opportunity to see the application of quantitative finance to advanced financial instruments, an integrated approach to risk management and how to implement quantitative finance strategies.

Course aims

The Quantitative Finance program provides the opportunity to acquire the detailed specialised knowledge and the professional competency required to work as a quantitative finance analyst in the modern finance industry.

Career options

Career options for graduates include positions as quantitative analysts, risk management analysts, quantitative structures, quantitative developers, forecasters, traders, investment analysts and financial engineers across investment banks, trading banks, hedge funds, investment management companies, consulting companies, energy and mining companies, regulatory bodies and government organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in finance or have a strong mathematical background. Entry to the course is at the discretion of the course director.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course duration is three years of part-time study.

Course structure

The course comprises 72 credit points of core subjects.

Course completion requirements

STM90317	Core subjects (Quantitative Finance)	72cp
		Total 72cp

Course program

Students complete the following subjects.

25832	Financial Markets Instruments	6cp
25834	Portfolio Analysis	6cp
25837	Financial Econometrics	6cp
25849	Financial Risk Management	6cp
25850	Credit Risk	6cp
25851	Mathematical Finance	6cp
25852	Numerical Analysis for Quantitative Finance	6cp
25853	Computational Methods and Model Implementation	6cp
25854	Statistical Methods for Quantitative Finance	6cp
25855	Fundamentals of Derivative Security Pricing	6cp
25856	Probability Theory and Stochastic Processes	6cp
25857	Interest Rate Modelling	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in Quantitative Finance (C07023) (see page 458) and the Master of Quantitative Finance.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C04067v6 Master of Business in Marketing

Award(s): Master of Business in Marketing (MBus)
CRICOS code: 036583G
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Business in Marketing provides the opportunity for students to extend their knowledge in the areas of communications, sales management, the development and introduction of new products, business-to-business marketing, technology and marketing, as well as the legal constraints on and the ethical implications of marketing in Australia.

The marketing program provides contemporary theoretical marketing knowledge and the practical skills required for superior performance in Australian and international markets.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course is one-and-a-half years of full-time or three years of part-time study.

Course structure

The course totals 72 credit points and consists of a combination of core subjects, specialised streams and elective subjects.

Course completion requirements

STM90721	Core subjects (Marketing)	30cp
CBK90635	Marketing streams	24cp
CBK90636	Elective (Marketing PG)	18cp
		Total 72cp

Course program

The course program is shown below.

24710	Buyer Behaviour	6cp
24734	Marketing Management	6cp
24730	Marketing Strategy	6cp
24720	Marketing Research	6cp
24790	Business Project: Marketing	6cp
CBK90636	Elective (Marketing PG)	18cp

Select 24 credit points from the following options: 24cp

STM90717	Marketing Management	24cp
STM90718	Marketing Strategy	24cp
STM90719	Marketing Research	24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Marketing (C11039) (see page 481), the Graduate Diploma in Marketing (C07031) (see page 461) and the Master of Business in Marketing.

Professional recognition

Completion of this course meets the educational requirements for Professional Postgraduate Diploma in Marketing entry point to the Chartered Institute of Marketing (CIM).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04085v2 Master of Engineering Management

Award(s): Master of Engineering Management (MEM)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: Hong Kong

Note(s)

This course is only offered offshore. It is available in Hong Kong. The language of tuition is Modern Standard Chinese.

It is the Chinese language version of the Master of Engineering Management (C04094) (see page 366). It is offered through the Hong Kong Management Association.

Overview

The Master of Engineering Management (MEM) is the ideal course for engineers, technical specialists and others wishing to expand their managerial skills within a technology-based organisation. The MEM has been specifically designed to emphasise the interface between technology and management.

The MEM program provides an opportunity for engineers who are seeking a career in engineering management to undertake a formal course of relevant study at master's level. It may also be of benefit to current engineering managers to undertake formal study and gain recognition of their knowledge and experience.

Career options

Engineering and applied science jobs are becoming increasingly multidisciplinary. Knowledge and skills in technical management gained from completing the MEM can assist in obtaining a high-quality engineering or engineering management position.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course duration is two years of part-time study if two subjects are taken per teaching period. This time can be reduced if additional subjects are studied in the January to March semester. The program is structured for weekend and distance mode attendance.

Course structure

The course requires 48 credit points of study. A minimum of 36 credit points (the six subjects listed below) must be completed from the list of MEM core subjects. The remaining 12 credit points are completed from two postgraduate subjects offered at Wuhan University in China.

Course completion requirements

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp

Select 12 credit points from the following options: 12cp

32555	Fundamentals of Software Development	6cp
42991	Advanced Water and Wastewater Treatment	6cp

Total 48cp

Course program

The list of available core subjects is shown below.

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49309	Quality Planning and Analysis	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp

Select 12 credit points of options 12cp

Other information

Further information is available from:

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Xenia Wong

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16/F Tower B, Southmark

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C04090v5 Master of Engineering

Award(s): Master of Engineering (ME)
UAC code: 940300 (No specified) (Autumn semester, Spring semester), 940303 (Software Engineering) (Autumn semester, Spring semester), 940306 (Structural Engineering) (Autumn semester, Spring semester), 940309 (Telecommunication Networks) (Autumn semester, Spring semester), 940312 (Telecommunications Engineering) (Autumn semester, Spring semester), 940315 (Water Engineering) (Autumn semester, Spring semester), 940318 (Computer Control Engineering) (Autumn semester, Spring semester), 940321 (Energy Planning and Policy) (Autumn semester, Spring semester), 940324 (Local Government Engineering) (Autumn semester, Spring semester), 940330 (Manufacturing Engineering and Management) (Autumn semester, Spring semester), 940333 (Environmental Engineering) (Autumn semester, Spring semester), 940334 (Engineering Management) (Autumn semester, Spring semester), 940351 (Civil Engineering) (Autumn semester, Spring semester), 940358 (Geotechnical Engineering) (Autumn semester, Spring semester), 940364 (Operations) (Autumn semester, Spring semester), 940367 (Systems Engineering) (Autumn semester, Spring semester), 940370 (Biomedical Engineering) (Autumn semester, Spring semester)
CRICOS code: 017900B
Commonwealth-supported place?: No
Load credit points: 60
Course EFTSL: 1.25
Location: City campus

Overview

This course provides an opportunity at master's level for professionally qualified engineers to extend in depth and breadth the knowledge and skills gained from their undergraduate studies. Each program must be designed to enhance technological knowledge pertaining to one or more fields of engineering. The completion of subjects and project work at advanced level is central to this requirement.

Students may choose a program of study that deepens the body of knowledge acquired in their first degree as well as expands knowledge boundaries into policy and engineering management areas. The program of study is usually framed within a postgraduate program major and supervised by an experienced academic in that field. Students also have the option of not electing a major.

Career options

Students who have a basic engineering undergraduate degree are able to enhance their ability and knowledge through master's-level courses in their respective majors, enabling them to gain and hold employment in their respective engineering fields.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If applicants are not graduates from the UTS Bachelor of Engineering Diploma in Engineering Practice, they must have an engineering degree from a recognised tertiary institution as well as two years' relevant work experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University's policy on credit recognition:

www.gsu.uts.edu.au/policies/credit-recognition.html

Students may be eligible for credit recognition based on previous postgraduate award study. Subjects undertaken as part of an undergraduate degree, irrespective of their level of study, are not normally considered for credit recognition.

Students who have completed postgraduate subjects as part of a postgraduate degree may be eligible for credit recognition of up to 12 credit points (two subjects) towards an engineering master's degree.

Students who have previously completed subjects at UTS that are part of the postgraduate degree to which they are admitted, may be eligible for credit recognition of up to 18 credit points (three subjects) towards an engineering masters' degree.

Students who have previously completed subjects as part of a UTS Engineering graduate certificate may be eligible for credit recognition of up to 24 credit points (four subjects) towards equivalent subjects in an engineering master's degree.

Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

The course may be completed in one-and-a-half years on a full-time basis or two to three years on a part-time basis.

Classes are usually held in standard mode (weekly attendance) or in block mode (attend classes only two or three times during the semester). Some subjects may be available in distance mode.

Course structure

Candidates complete coursework subjects and a major individual project, totalling 60 credit points of study. The project component is typically undertaken after completing one semester's worth of coursework.

Some postgraduate program majors may require students to complete a number of prescribed subjects with or without opportunity for electives. Subjects are selected from postgraduate programs offered by the Faculty of Engineering and Information Technology.

The graduate project must be supervised by a principal supervisor who is a member or adjunct member of academic staff of the Faculty of Engineering and Information Technology.

A major is granted if four subjects (24 credit points) are completed within a particular postgraduate program major, together with an approved graduate project (18-30 credit points) in the major.

Course completion requirements

CBK90443	Major choice		24cp
CBK90230	Elective		6cp
Select 30 credit points from the following options:			30cp
STM90080	Project + two electives	30cp	
STM90081	Project + one elective	30cp	
STM90082	Project	30cp	
			Total 60cp

Course program

The tables below give details of each major: for each major there are three tables. The first lists the compulsory subjects and allowable option choices for the major. The next two tables show the subjects typically offered in Autumn and Spring semesters. Where an elective is specified, the subject is to be chosen from postgraduate subjects offered within the Faculty of Engineering and Information Technology, as listed in the elective option. Some subjects are offered in weekly mode, others in block mode, and others in distance mode or a combination of modes.

List of majors

MAJ03455	Civil Engineering	24cp
MAJ03438	Computer Control Engineering	24cp
MAJ03439	Energy Planning and Policy	24cp
MAJ08860	Engineering Management	24cp
MAJ03416	Environmental Engineering	24cp
MAJ03440	Local Government Engineering	24cp
MAJ03442	Manufacturing Engineering and Management	24cp
MAJ03432	Software Engineering	24cp
MAJ03433	Structural Engineering	24cp
MAJ03435	Telecommunications Engineering	24cp
MAJ03434	Telecommunication Networks	24cp
MAJ03436	Water Engineering	24cp
CBK90473	No specified major	24cp
MAJ03461	Geotechnical Engineering	24cp
MAJ03463	Operations	24cp
MAJ03465	Biomedical Engineering	24cp
MAJ03469	Systems Engineering	24cp

Civil Engineering major

Select four subjects from the following:			24cp
49002	Managing Projects	6cp	
49102	Traffic and Transportation	6cp	
49105	Water Supply and Wastewater Management	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49115	Facade Engineering	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
49131	Bridge Design	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49143	Civil Engineering Review 1	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	
49118	Applied Geotechnics	6cp	

Civil Engineering major - subjects typically offered in Autumn

49002	Managing Projects	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49126	Environmental Management of Land	6cp
49136	Application of Timber in Engineering Structures	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp

Civil Engineering major - subjects typically offered in Spring

49002	Managing Projects	6cp
49106	Road Engineering Practice	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49118	Applied Geotechnics	6cp

Computer Control Engineering major

Select two subjects from the following:			12cp
49261	Biomedical Instrumentation	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
Select two subjects from the following:			12cp
49048	Wireless Networking Technologies	6cp	
49261	Biomedical Instrumentation	6cp	
49262	Web Technologies	6cp	
32555	Fundamentals of Software Development	6cp	
32555	Fundamentals of Software Development	6cp	
32603	Systems Quality Management	6cp	
49274	Advanced Robotics	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	

Computer Control Engineering major - subjects typically offered in Autumn

49048	Wireless Networking Technologies	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Computer Control Engineering major - subjects typically offered in Spring

49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
49274	Advanced Robotics	6cp

Engineering Management major

Select four subjects from the following:			24cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49006	Risk Management in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49069	Leadership and Responsibility	6cp	
49098	Engineering Financial Control	6cp	
49306	Quality and Operations Management Systems	6cp	
49309	Quality Planning and Analysis	6cp	
49680	Value Chain Engineering Systems	6cp	

Engineering Management major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Engineering Management major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Energy Planning and Policy major

49021	Evaluation of Infrastructure Investments	6cp
49024	Energy Modelling	6cp
49706	Regulatory Economics	6cp
49026	Electricity Sector Planning and Restructuring	6cp

Energy Planning and Policy major - subjects typically offered in Autumn

49021	Evaluation of Infrastructure Investments	6cp
49026	Electricity Sector Planning and Restructuring	6cp

Energy Planning and Policy major - subjects typically offered in Spring

49024	Energy Modelling	6cp
49706	Regulatory Economics	6cp

Environmental Engineering major

Select four subjects from the following: 24cp

49049	Air and Noise Pollution	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49257	Geographic Information Systems	6cp

Environmental Engineering major - subjects typically offered in Autumn

49109	Engineered Natural Water Treatment Systems	6cp
49123	Waste and Pollution Management	6cp
49126	Environmental Management of Land	6cp
49257	Geographic Information Systems	6cp

Environmental Engineering major - subjects typically offered in Spring

49049	Air and Noise Pollution	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49125	Environmental Risk Assessment	6cp
49127	Decentralised Water and Wastewater Treatment	6cp

Local Government Engineering major

Select four subjects from the following: 24cp

49102	Traffic and Transportation	6cp
49258	Pavement Analysis and Design	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49121	Environmental Assessment and Planning	6cp
49126	Environmental Management of Land	6cp

Local Government Engineering major - subjects typically offered in Autumn

49102	Traffic and Transportation	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49258	Pavement Analysis and Design	6cp
49126	Environmental Management of Land	6cp
49105	Water Supply and Wastewater Management	6cp

Local Government Engineering major - subjects typically offered in Spring

49106	Road Engineering Practice	6cp
49121	Environmental Assessment and Planning	6cp

Manufacturing Engineering and Management major

Select four subjects from the following: 24cp

49002	Managing Projects	6cp
49049	Air and Noise Pollution	6cp
49307	Internal Combustion Engines	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49928	Design Optimisation for Manufacturing	6cp
49312	Advanced Flow Modelling	6cp

Manufacturing Eng and Management - subjects typically offered in Autumn

49002	Managing Projects	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49928	Design Optimisation for Manufacturing	6cp

Manufacturing Eng and Management - subjects typically offered in Spring

49002	Managing Projects	6cp
49049	Air and Noise Pollution	6cp
49307	Internal Combustion Engines	6cp
49312	Advanced Flow Modelling	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp

Software Engineering major

49262	Web Technologies	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp

Software Engineering major - subjects typically offered in Autumn

32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp

Software Engineering major - subjects typically offered in Spring

49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp

Structural Engineering major

Select four subjects from the following: 24cp

49002	Managing Projects	6cp
49047	Finite Element Analysis	6cp
49115	Facade Engineering	6cp
49131	Bridge Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49118	Applied Geotechnics	6cp
49135	Wind Engineering	6cp
49151	Concrete Technology and Practice	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Structural Engineering major - subjects typically offered in Autumn

49002	Managing Projects	6cp
49047	Finite Element Analysis	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49151	Concrete Technology and Practice	6cp

Structural Engineering major - subjects typically offered in Spring

49002	Managing Projects	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49118	Applied Geotechnics	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Telecommunications Engineering major

49205	Transmission Systems		6cp
49215	Telecommunications Industry Management		6cp
Select two subjects from the following:			12cp
49048	Wireless Networking Technologies	6cp	
42890	4G Mobile Technologies	6cp	
49110	3G Mobile Communication Systems	6cp	
49201	Integrated Services Networks	6cp	
49203	Telecommunications Signal Processing	6cp	
49223	Satellite Communication Systems	6cp	
49249	Telecommunications Engineering Review	6cp	

Telecommunications Engineering major - subject typically offered in Autumn

49048	Wireless Networking Technologies	6cp
42890	4G Mobile Technologies	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49249	Telecommunications Engineering Review	6cp

Telecommunications Engineering major - subject typically offered in Spring

49110	3G Mobile Communication Systems	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49249	Telecommunications Engineering Review	6cp

Telecommunication Networks major

49202	Communication Protocols		6cp
49238	Telecommunication Networks Management		6cp
Select two subjects from the following:			12cp
49048	Wireless Networking Technologies	6cp	
49110	3G Mobile Communication Systems	6cp	
49201	Integrated Services Networks	6cp	
49203	Telecommunications Signal Processing	6cp	
49215	Telecommunications Industry Management	6cp	
49249	Telecommunications Engineering Review	6cp	
49262	Web Technologies	6cp	
32555	Fundamentals of Software Development	6cp	
32570	Enterprise Software Architecture and Middleware	6cp	
32001	Mobile Commerce Technologies	6cp	
32118	Mobile Communications and Computing	6cp	
42902	Interior Routing and High Availability	6cp	
42903	Multi Protocol Label Switching	6cp	

Telecommunications Networks major - subjects typically offered in Autumn

49048	Wireless Networking Technologies	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49249	Telecommunications Engineering Review	6cp
32555	Fundamentals of Software Development	6cp

Telecommunications Networks major - subjects typically offered in Spring

49110	3G Mobile Communication Systems	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49238	Telecommunication Networks Management	6cp
49262	Web Technologies	6cp
32570	Enterprise Software Architecture and Middleware	6cp

Water Engineering major

Select four subjects from the following:			24cp
49107	Urban Stormwater Design	6cp	
49117	Floodplain Risk Management in NSW	6cp	
49122	Ecology and Sustainability	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49255	Catchment Modelling	6cp	
49256	Flood Estimation	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49126	Environmental Management of Land	6cp	
49285	Emergency Management	6cp	

Water Engineering major - subjects typically offered in Autumn

49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49256	Flood Estimation	6cp
49126	Environmental Management of Land	6cp

Water Engineering major - subjects typically offered in Spring

49117	Floodplain Risk Management in NSW	6cp
49122	Ecology and Sustainability	6cp
49255	Catchment Modelling	6cp
49116	Contaminated Site and Waste Remediation	6cp
49285	Emergency Management	6cp

No specified major

Select 24 credit points of options 24cp

Geotechnical Engineering major

Select four subjects from the following:			24cp
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49118	Applied Geotechnics	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49126	Environmental Management of Land	6cp	
49143	Civil Engineering Review 1	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49257	Geographic Information Systems	6cp	
49258	Pavement Analysis and Design	6cp	

Geotechnical Engineering major - subjects typically offered in Autumn

49102	Traffic and Transportation	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49126	Environmental Management of Land	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp

Geotechnical Engineering major - subjects typically offered in Spring

49106	Road Engineering Practice	6cp
49116	Contaminated Site and Waste Remediation	6cp
49118	Applied Geotechnics	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Operations major

49309	Quality Planning and Analysis		6cp
49002	Managing Projects		6cp
49989	Operations Engineering		6cp
49306	Quality and Operations Management Systems		6cp
Select 18 credit points from the following options:			18cp
49001	Judgment and Decision Making	6cp	
49004	Systems Engineering for Managers	6cp	
49006	Risk Management in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49069	Leadership and Responsibility	6cp	
49655	Integrated Logistic Support	6cp	
49678	Reliability Availability and Maintainability	6cp	
49680	Value Chain Engineering Systems	6cp	
Select 6 credit points of electives			6cp

Operations major - subjects typically offered in Autumn

49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49002	Managing Projects	6cp
49989	Operations Engineering	6cp

Operations major - subjects typically offered in Spring

49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49002	Managing Projects	6cp
49989	Operations Engineering	6cp

Systems Engineering major

49004	Systems Engineering for Managers	6cp
32569	Enterprise Business Requirements	6cp
49655	Integrated Logistic Support	6cp

Select 6 credit points from the following options: 6cp

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp

Systems Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
32569	Enterprise Business Requirements	6cp
49655	Integrated Logistic Support	6cp

Systems Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp

Biomedical Engineering major

49261	Biomedical Instrumentation	6cp

Select one of the following: 6cp

91400	Human Anatomy and Physiology	6cp
91429	Physiological Bases of Human Movement	6cp

Select 12 credit points from the following options: 12cp

49275	Neural Networks and Fuzzy Logic	6cp
49274	Advanced Robotics	6cp
49048	Wireless Networking Technologies	6cp
32555	Fundamentals of Software Development	6cp
91705	Medical Devices and Diagnostics	6cp
91403	Medical Imaging	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp

Biomedical Engineering major - subjects typically offered in Autumn

91429	Physiological Bases of Human Movement	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49048	Wireless Networking Technologies	6cp
32555	Fundamentals of Software Development	6cp
91403	Medical Imaging	6cp

Biomedical Engineering major - subjects typically offered in Spring

49261	Biomedical Instrumentation	6cp
91400	Human Anatomy and Physiology	6cp
49274	Advanced Robotics	6cp
91705	Medical Devices and Diagnostics	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp

Articulation with UTS courses

This course offers opportunities for articulation from a graduate certificate or graduate diploma to a master's-level award.

Transfer between UTS courses

Applications for admission by internal transfer of candidature from a graduate certificate may be considered following completion of subjects totalling at least 18 credit points at a level of performance deemed by the Faculty Board in Engineering and Information Technology to be satisfactory evidence of an ability to undertake master's candidature (typically 60 per cent average).

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04094v5 Master of Engineering Management

Award(s): Master of Engineering Management (MEM)
UAC code: 940337 (Autumn semester, Spring semester), 940344 (distance) (Autumn semester, Spring semester)
CRICOS code: 008685A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is also offered offshore. It is available in Hong Kong. The language of tuition is English.

Overview

The Master of Engineering Management (MEM) is the ideal course for engineers, technical specialists and others wishing to expand their managerial skills within a technology-based organisation. The MEM has been specifically designed to emphasise the interface between technology and management.

The MEM program provides an opportunity for engineers and others who are seeking a career in engineering management to undertake a formal course of relevant study at a master's level. It may also be of benefit to current engineering managers to undertake formal study and gain recognition of their knowledge and experience.

Career options

Engineering and applied science jobs are becoming increasingly multidisciplinary. Knowledge and skills in technical management gained from completing the MEM can assist in obtaining a high-quality engineering or engineering management position.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University's policy on credit recognition:

www.gsu.uts.edu.au/policies/credit-recognition.html

Students may be eligible for credit recognition based on previous postgraduate award study. Subjects undertaken as part of an undergraduate degree, irrespective of their level of study, are not normally considered for credit recognition.

Students who have completed postgraduate subjects as part of a postgraduate degree may be eligible for credit recognition of up to 12 credit points (two subjects) towards an engineering master's degree.

Students who have previously completed subjects at UTS that are part of the postgraduate degree to which they are admitted, may be eligible for credit recognition of up to 18 credit points (three subjects) towards an engineering masters'degree.

Students who have previously completed subjects as part of a UTS Engineering graduate certificate may be eligible for credit recognition of up to 24 credit points (four subjects) towards equivalent subjects in an engineering master's degree.

Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

The course duration is two years if two subjects are taken per semester. The course can also be completed in one year of full-time study if four subjects per semester are completed. The program is structured for evening attendance or distance mode. Extra intensive classes may be held during Summer session for selected subjects.

Students who want to undertake the course in distance mode may have to follow a restricted course structure as not all subjects are offered in distance mode.

Course structure

The course requires 48 credit points of study. A minimum of 36 credit points (six subjects) must be completed from the list of MEM core subjects. Elective subjects are to be chosen from postgraduate subjects offered within the Faculty of Engineering and Information Technology; some subjects may require prior approval based on access conditions.

Course completion requirements

CBK90154	Core subjects choice	36cp
CBK90743	Electives	12cp
		Total 48cp

Course program

The core and elective choices are shown below.

Select 36 credit points from the following options: 36cp

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Select one of the following: 6cp

49069	Leadership and Responsibility	6cp
21844	Managing Work and People	6cp

Select one of the following: 6cp

49098	Engineering Financial Control	6cp
22747	Accounting for Managerial Decisions	6cp

Select 12 credit points of electives 12cp

Subjects typically offered in Autumn

21844	Managing Work and People	6cp
22747	Accounting for Managerial Decisions	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Subjects typically offered in Spring

21844	Managing Work and People	6cp
22747	Accounting for Managerial Decisions	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Further study at UTS

The Master of Business Administration (C04018) (see page 355) (Technology Management major) may be entered directly after completion of this course. With suitable choice of subjects from the MEM, exemptions may be granted for up to eight subjects in the MBA.

Other information

Further information is available from:

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Ask UTS www.ask.uts.edu.au

C04097v2 Master of Engineering Studies

Award(s): Master of Engineering Studies (MEStud)
UAC code: 940301 (No specified) (Autumn semester, Spring semester), 940304 (Software Engineering) (Autumn semester, Spring semester), 940307 (Structural Engineering) (Autumn semester, Spring semester), 940310 (Telecommunication Networks) (Autumn semester, Spring semester), 940313 (Telecommunications Engineering) (Autumn semester, Spring semester), 940316 (Water Engineering) (Autumn semester, Spring semester), 940319 (Computer Control Engineering) (Autumn semester, Spring semester), 940322 (Energy Planning and Policy) (Autumn semester, Spring semester), 940325 (Local Government Engineering) (Autumn semester, Spring semester), 940331 (Manufacturing Engineering and Management) (Autumn semester, Spring semester), 940339 (Telecommunications Engineering and Telecommunication Networks) (Autumn semester, Spring semester), 940340 (Local Government Engineering and Environmental Engineering) (Autumn semester, Spring semester), 940350 (Civil Engineering) (Autumn semester, Spring semester), 940354 (Civil Engineering and Structural Engineering) (Autumn semester, Spring semester), 940356 (Integrated Logistic Support and Engineering Management) (Autumn semester, Spring semester), 940359 (Geotechnical Engineering) (Autumn semester, Spring semester), 940362 (Civil and Geotechnical Engineering) (Autumn semester, Spring semester), 940365 (Operations) (Autumn semester, Spring semester), 940368 (Systems Engineering) (Autumn semester, Spring semester), 940371 (Biomedical Engineering) (Autumn semester, Spring semester)
CRICOS code: 028689J
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The flexible structure of this course allows recently graduated engineers and technical specialists to deepen the knowledge and skills gained in their first degree while expanding their managerial and policy knowledge.

Students may choose a program of study that deepens the body of knowledge acquired in their first degree as well as expands knowledge boundaries into policy and engineering management areas. The program of study is usually framed within a postgraduate program major and supervised by an experienced academic in that field. Students also have the option of not electing a major.

Career options

Students who have a basic engineering undergraduate degree are able to enhance their ability and knowledge through master's-level courses in their respective majors, enabling them to gain and hold employment in their respective engineering fields.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in engineering or another technological/applied science field.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University's policy on credit recognition:

www.gsu.uts.edu.au/policies/credit-recognition.html

Students may be eligible for credit recognition based on previous postgraduate award study. Subjects undertaken as part of an undergraduate degree, irrespective of their level of study, are not normally considered for credit recognition.

Students who have completed postgraduate subjects as part of a postgraduate degree may be eligible for credit recognition of up to 12 credit points (two subjects) towards an engineering master's degree.

Students who have previously completed subjects at UTS that are part of the postgraduate degree to which they are admitted, may be eligible for credit recognition of up to 18 credit points (three subjects) towards an engineering masters' degree.

Students who have previously completed subjects as part of a UTS Engineering graduate certificate may be eligible for credit recognition of up to 24 credit points (four subjects) towards equivalent subjects in an engineering master's degree.

Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

The course requires one year of full-time or two years of part-time study.

Subjects are offered as three-hour weekly sessions in block mode. Some subjects may be available in distance mode. Subjects offered by distance mode require similar hours but at the convenience of the student.

Course structure

Students must complete eight postgraduate subjects (totalling 48 credit points) offered by UTS: Engineering. Students wishing to have a major noted on their academic transcript must complete subjects as specified under that major.

Course completion requirements

CBK90330	Major choice	48cp
		Total 48cp

Course program

The tables below give details of each major: for each major there are three tables. The first lists the compulsory subjects and allowable option choices for the major. The next two tables show the subjects typically offered in Autumn and Spring semesters. Where an elective is specified, the subject is to be chosen from postgraduate subjects offered within the Faculty of Engineering and Information Technology, as listed in the elective option. Some subjects are offered in weekly mode, others in block mode, and others in distance mode or a combination of modes.

List of majors

MAJ03454	Civil Engineering	48cp
MAJ03456	Civil Engineering and Structural Engineering	48cp
MAJ03430	Computer Control Engineering	48cp
MAJ03380	Energy Planning and Policy	48cp
MAJ03375	Local Government Engineering	48cp
MAJ03443	Local Government Engineering and Environmental Engineering	48cp
MAJ03415	Manufacturing Engineering and Management	48cp
MAJ03379	Software Engineering	48cp
MAJ03378	Structural Engineering	48cp
MAJ03385	Telecommunication Networks	48cp
MAJ03382	Telecommunications Engineering	48cp
MAJ03431	Telecommunications Engineering and Telecommunication Networks	48cp
MAJ03372	Water Engineering	48cp
CBK90038	No specified major	48cp
MAJ03452	Integrated Logistic Support and Engineering Management	48cp
MAJ03459	Civil and Geotechnical Engineering	48cp
MAJ03460	Geotechnical Engineering	48cp
MAJ03464	Operations	48cp
MAJ03466	Biomedical Engineering	48cp
MAJ03467	Systems Engineering	48cp

Civil Engineering major

Select four subjects from the following:			24cp
49002	Managing Projects	6cp	
49102	Traffic and Transportation	6cp	
49105	Water Supply and Wastewater Management	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49115	Facade Engineering	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
49131	Bridge Design	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49143	Civil Engineering Review 1	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	
49118	Applied Geotechnics	6cp	
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
Select 6 credit points of electives			6cp

Civil Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49126	Environmental Management of Land	6cp
49136	Application of Timber in Engineering Structures	6cp
49306	Quality and Operations Management Systems	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp

Civil Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49106	Road Engineering Practice	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49306	Quality and Operations Management Systems	6cp
49118	Applied Geotechnics	6cp

Civil Engineering and Structural Engineering major

Select four subjects from the following:			24cp
49002	Managing Projects	6cp	
49047	Finite Element Analysis	6cp	
49115	Facade Engineering	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49131	Bridge Design	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	

Select four subjects from the following: 24cp

49002	Managing Projects	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49126	Environmental Management of Land	6cp
49131	Bridge Design	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49144	Civil Engineering Review 2	6cp

Civil and Structural Eng major - subjects typically offered in Autumn

49002	Managing Projects	6cp
49047	Finite Element Analysis	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49126	Environmental Management of Land	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp

Civil and Structural Eng major - subjects typically offered in Spring

49002	Managing Projects	6cp
49106	Road Engineering Practice	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp

Computer Control Engineering major

Select two subjects from the following: 12cp

49261	Biomedical Instrumentation	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Select two subjects from the following: 12cp

49048	Wireless Networking Technologies	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Select three subjects from the following: 18cp

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp

Select 6 credit points of electives 6cp

Computer Control Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49048	Wireless Networking Technologies	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49306	Quality and Operations Management Systems	6cp

Computer Control Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
49274	Advanced Robotics	6cp
49306	Quality and Operations Management Systems	6cp

Energy Planning and Policy major

49021	Evaluation of Infrastructure Investments	6cp
49024	Energy Modelling	6cp
49706	Regulatory Economics	6cp
49026	Electricity Sector Planning and Restructuring	6cp

Select three subjects from the following: 18cp

49029	Environmental Policy for Energy Systems	6cp
49025	Methods for Energy Analysis	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp

Energy Planning and Policy major - subjects typically offered in Autumn

49021	Evaluation of Infrastructure Investments	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp

Energy Planning and Policy major - subjects typically offered in Spring

49024	Energy Modelling	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49706	Regulatory Economics	6cp

Integrated Logistic Support and Engineering Management major

49001	Judgment and Decision Making	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp

Integrated Logistic Support Eng Mg - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp

Integrated Logistic Support Eng Mg - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49680	Value Chain Engineering Systems	6cp

Local Government Engineering major

Select four subjects from the following:			24cp
49102	Traffic and Transportation	6cp	
49258	Pavement Analysis and Design	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49108	Local Government Powers and Practice	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
Select 6 credit points of electives			6cp

Local Government Engineering - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49102	Traffic and Transportation	6cp
49258	Pavement Analysis and Design	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49126	Environmental Management of Land	6cp
49306	Quality and Operations Management Systems	6cp

Local Government Engineering - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49106	Road Engineering Practice	6cp
49121	Environmental Assessment and Planning	6cp
49306	Quality and Operations Management Systems	6cp

Local Government Eng and Environmental Eng major

49108	Local Government Powers and Practice		6cp
49121	Environmental Assessment and Planning		6cp
49126	Environmental Management of Land		6cp
49123	Waste and Pollution Management		6cp
Select four subjects from the following:			24cp
49049	Air and Noise Pollution	6cp	
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49122	Ecology and Sustainability	6cp	
49125	Environmental Risk Assessment	6cp	
49127	Decentralised Water and Wastewater Treatment	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	

Local Govt Eng and Env Eng major - subjects typically offered in Autumn

49102	Traffic and Transportation	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49123	Waste and Pollution Management	6cp
49126	Environmental Management of Land	6cp

Local Govt Eng and Env Eng major - subjects typically offered in Spring

49049	Air and Noise Pollution	6cp
49106	Road Engineering Practice	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49125	Environmental Risk Assessment	6cp
49127	Decentralised Water and Wastewater Treatment	6cp

Manufacturing Engineering and Management major

Select four subjects from the following:			24cp
49002	Managing Projects	6cp	
49049	Air and Noise Pollution	6cp	
49307	Internal Combustion Engines	6cp	
49316	Materials Handling	6cp	
49321	Energy Conversion	6cp	
49322	Airconditioning	6cp	
49325	Computer-aided Mechanical Design	6cp	
49328	Turbomachines	6cp	
49928	Design Optimisation for Manufacturing	6cp	
49312	Advanced Flow Modelling	6cp	
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
Select 6 credit points of electives			6cp

Manufacturing Eng and Management - subjects typically offered in Autumn

49002	Managing Projects	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49928	Design Optimisation for Manufacturing	6cp

Manufacturing Eng and Management - subjects typically offered in Spring

49002	Managing Projects	6cp
49049	Air and Noise Pollution	6cp
49307	Internal Combustion Engines	6cp
49312	Advanced Flow Modelling	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp

Software Engineering major

49002	Managing Projects		6cp
49262	Web Technologies		6cp
32603	Systems Quality Management		6cp
32555	Fundamentals of Software Development		6cp
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	

Software Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49306	Quality and Operations Management Systems	6cp

Software Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
49306	Quality and Operations Management Systems	6cp

Structural Engineering major

Select four subjects from the following: 24cp

49047	Finite Element Analysis	6cp
49131	Bridge Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49002	Managing Projects	6cp
49115	Facade Engineering	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49135	Wind Engineering	6cp
49143	Civil Engineering Review 1	6cp
49151	Concrete Technology and Practice	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Select three subjects from the following: 18cp

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp

Select 6 credit points of electives 6cp

Structural Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49047	Finite Element Analysis	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49136	Application of Timber in Engineering Structures	6cp
49306	Quality and Operations Management Systems	6cp
49135	Wind Engineering	6cp
49151	Concrete Technology and Practice	6cp

Structural Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49306	Quality and Operations Management Systems	6cp
49118	Applied Geotechnics	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Telecommunication Networks major

49202	Communication Protocols	6cp
49238	Telecommunication Networks Management	6cp

Select two subjects from the following: 12cp

49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49249	Telecommunications Engineering Review	6cp
49262	Web Technologies	6cp
32570	Enterprise Software Architecture and Middleware	6cp
49203	Telecommunications Signal Processing	6cp
32555	Fundamentals of Software Development	6cp
49110	3G Mobile Communication Systems	6cp
32001	Mobile Commerce Technologies	6cp
32118	Mobile Communications and Computing	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp

Select three subjects from the following: 18cp

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp

Select 6 credit points of electives 6cp

Telecommunication Networks major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49048	Wireless Networking Technologies	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49249	Telecommunications Engineering Review	6cp
49306	Quality and Operations Management Systems	6cp

Telecommunication Networks major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49238	Telecommunication Networks Management	6cp
49249	Telecommunications Engineering Review	6cp
49262	Web Technologies	6cp
32570	Enterprise Software Architecture and Middleware	6cp
49306	Quality and Operations Management Systems	6cp
49110	3G Mobile Communication Systems	6cp

Telecommunications Engineering major

49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp

Select two subjects from the following: 12cp

49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
42890	4G Mobile Technologies	6cp
49203	Telecommunications Signal Processing	6cp
49223	Satellite Communication Systems	6cp
49249	Telecommunications Engineering Review	6cp
49110	3G Mobile Communication Systems	6cp

Select three subjects from the following: 18cp

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp

Select 6 credit points of electives 6cp

Telecommunications Engineering - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49048	Wireless Networking Technologies	6cp
42890	4G Mobile Technologies	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49249	Telecommunications Engineering Review	6cp
49306	Quality and Operations Management Systems	6cp

Telecommunications Engineering - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49110	3G Mobile Communication Systems	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49306	Quality and Operations Management Systems	6cp

Telecommunication Engineering and Telecommunication Networks major

49202	Communication Protocols		6cp
49238	Telecommunication Networks Management		6cp
49215	Telecommunications Industry Management		6cp
49205	Transmission Systems		6cp
Select four subjects from the following:			24cp
49201	Integrated Services Networks	6cp	
49203	Telecommunications Signal Processing	6cp	
49048	Wireless Networking Technologies	6cp	
42890	4G Mobile Technologies	6cp	
49223	Satellite Communication Systems	6cp	
49262	Web Technologies	6cp	
32570	Enterprise Software Architecture and Middleware	6cp	
32555	Fundamentals of Software Development	6cp	
49110	3G Mobile Communication Systems	6cp	
42902	Interior Routing and High Availability	6cp	
42903	Multi Protocol Label Switching	6cp	

Telecomm Eng and Telecomm Networks - subjects typically offered in Autumn

49048	Wireless Networking Technologies	6cp
42890	4G Mobile Technologies	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
32555	Fundamentals of Software Development	6cp

Telecomm Eng and Telecomm Networks - subjects typically offered in Spring

49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49238	Telecommunication Networks Management	6cp
49262	Web Technologies	6cp
32570	Enterprise Software Architecture and Middleware	6cp

Water Engineering major

Select four subjects from the following:			24cp
49107	Urban Stormwater Design	6cp	
49255	Catchment Modelling	6cp	
49117	Floodplain Risk Management in NSW	6cp	
49122	Ecology and Sustainability	6cp	
49256	Flood Estimation	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49126	Environmental Management of Land	6cp	
49285	Emergency Management	6cp	
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
Select 6 credit points of electives			6cp

Water Engineering major - subjects typically offered in Autumn

49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49013	Managing Information Technology in Engineering	6cp
49001	Judgment and Decision Making	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49256	Flood Estimation	6cp

Water Engineering major - subjects typically offered in Spring

49117	Floodplain Risk Management in NSW	6cp
49122	Ecology and Sustainability	6cp
49255	Catchment Modelling	6cp
49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49116	Contaminated Site and Waste Remediation	6cp

No specified major

Select 48 credit points of options	48cp

Geotechnical Engineering major

Select four subjects from the following:			24cp
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49118	Applied Geotechnics	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49126	Environmental Management of Land	6cp	
49143	Civil Engineering Review 1	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49257	Geographic Information Systems	6cp	
49258	Pavement Analysis and Design	6cp	
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
Select 6 credit points of electives			6cp

Geotechnical Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49102	Traffic and Transportation	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49126	Environmental Management of Land	6cp
49258	Pavement Analysis and Design	6cp
49257	Geographic Information Systems	6cp
49306	Quality and Operations Management Systems	6cp

Geotechnical Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49106	Road Engineering Practice	6cp
49116	Contaminated Site and Waste Remediation	6cp
49118	Applied Geotechnics	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49306	Quality and Operations Management Systems	6cp

Civil and Geotechnical Engineering major

Select four subjects from the following:			24cp
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49118	Applied Geotechnics	6cp	
49126	Environmental Management of Land	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49257	Geographic Information Systems	6cp	
49258	Pavement Analysis and Design	6cp	
Select four subjects from the following:			24cp
49002	Managing Projects	6cp	
49047	Finite Element Analysis	6cp	
49107	Urban Stormwater Design	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49115	Facade Engineering	6cp	
49131	Bridge Design	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49135	Wind Engineering	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49143	Civil Engineering Review 1	6cp	
49150	Prestressed Concrete Design	6cp	
49151	Concrete Technology and Practice	6cp	
49255	Catchment Modelling	6cp	
49256	Flood Estimation	6cp	

Civil and Geotechnical Eng major - subjects typically offered in Autumn

49002	Managing Projects	6cp
49047	Finite Element Analysis	6cp
49102	Traffic and Transportation	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49126	Environmental Management of Land	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49256	Flood Estimation	6cp

Civil and Geotechnical Eng major - subjects typically offered in Spring

49002	Managing Projects	6cp
49106	Road Engineering Practice	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49118	Applied Geotechnics	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49255	Catchment Modelling	6cp

Operations major

49002	Managing Projects		6cp
49306	Quality and Operations Management Systems		6cp
49309	Quality Planning and Analysis		6cp
49989	Operations Engineering		6cp
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49004	Systems Engineering for Managers	6cp	
49006	Risk Management in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49069	Leadership and Responsibility	6cp	
49655	Integrated Logistic Support	6cp	
49678	Reliability Availability and Maintainability	6cp	
49680	Value Chain Engineering Systems	6cp	
Select 6 credit points of electives			6cp

Operations major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49989	Operations Engineering	6cp

Operations major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49680	Value Chain Engineering Systems	6cp
49989	Operations Engineering	6cp

Systems Engineering major

49004	Systems Engineering for Managers	6cp
32569	Enterprise Business Requirements	6cp
49655	Integrated Logistic Support	6cp
49002	Managing Projects	6cp
49001	Judgment and Decision Making	6cp
49003	Economic Evaluation	6cp
Select 12 credit points of electives		12cp

Systems Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
32569	Enterprise Business Requirements	6cp
49655	Integrated Logistic Support	6cp

Systems Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp

Biomedical Engineering major

49261	Biomedical Instrumentation		6cp
Select one of the following:			6cp
91400	Human Anatomy and Physiology	6cp	
91429	Physiological Bases of Human Movement	6cp	
Select three subjects from the following:			18cp
49275	Neural Networks and Fuzzy Logic	6cp	
49274	Advanced Robotics	6cp	
49048	Wireless Networking Technologies	6cp	
32555	Fundamentals of Software Development	6cp	
91705	Medical Devices and Diagnostics	6cp	
91140	BioNanotechnology	6cp	
91239	Human Pathophysiology	6cp	
91403	Medical Imaging	6cp	
Select three subjects from the following:			18cp
49001	Judgment and Decision Making	6cp	
49006	Risk Management in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
60904	Innovation, Entrepreneurship and Commercialisation	6cp	

Biomedical Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49048	Wireless Networking Technologies	6cp
32555	Fundamentals of Software Development	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49306	Quality and Operations Management Systems	6cp
91403	Medical Imaging	6cp
91429	Physiological Bases of Human Movement	6cp

Biomedical Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49261	Biomedical Instrumentation	6cp
49274	Advanced Robotics	6cp
49306	Quality and Operations Management Systems	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp
91400	Human Anatomy and Physiology	6cp
91705	Medical Devices and Diagnostics	6cp

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04098v3 Master of Environmental Engineering Management

Award(s): Master of Environmental Engineering Management (MEEM)
UAC code: 940335 (Autumn semester, Spring semester), 940342 (distance) (Autumn semester, Spring semester)
CRICOS code: 027917K
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus or distance

Overview

This course is designed to enable engineers and other technical specialists to take a leadership role in the field of environmental engineering.

The course combines a set of key subjects that contain information on the nature of environmental problems together with engineering techniques for their solution. This is supplemented by management and policy subjects to empower the engineer, or technical specialist, to lead multidisciplinary teams working in the field of environmental engineering.

Career options

Career options include positions in government agencies or private corporations, or as consultants.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in engineering or another technological/applied science field. Candidates without a degree, but with suitable experience, may enrol in the Graduate Certificate in Environmental Engineering Management (C11051) (see page 486) and later transfer to the Master of Environmental Engineering Management with full credit for completed subjects.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University's policy on credit recognition:

www.gsu.uts.edu.au/policies/credit-recognition.html

Students may be eligible for credit recognition based on previous postgraduate award study. Subjects undertaken as part of an undergraduate degree, irrespective of their level of study, are not normally considered for credit recognition.

Students who have completed postgraduate subjects as part of a postgraduate degree may be eligible for credit recognition of up to 12 credit points (two subjects) towards an engineering master's degree.

Students who have previously completed subjects at UTS that are part of the postgraduate degree to which they are admitted, may be eligible for credit recognition of up to 18 credit points (three subjects) towards an engineering masters' degree.

Students who have previously completed subjects as part of a UTS Engineering graduate certificate may be eligible for credit recognition of up to 24 credit points (four subjects) towards equivalent subjects in an engineering master's degree.

Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

Most students taking two subjects a semester require two years to complete this degree. The course is also available to fee-paying overseas students on a full-time basis, taking one year to complete.

Subjects are offered as three-hour weekly sessions or in block mode. Some subjects may be available in distance mode. Each subject usually requires three hours of class attendance per week. Subjects offered by distance mode require similar hours but at the convenience of the student.

Students who want to undertake the course in distance mode may have to follow a restricted course structure as not all subjects are offered in distance mode.

Course structure

Students are required to complete 48 credit points of study, comprising 36 credit points from the core subjects and 12 credit points from 49001, 49002, 49003 or 49108.

Course completion requirements

CBK90145	Core subjects		36cp
Select 12 credit points from the following options:			12cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49108	Local Government Powers and Practice	6cp	
		Total	48cp

Course program

The subjects offered are listed below. As not all subjects are offered every semester, students should check the timetable and seek advice as to which subjects to take in which semester.

Select six subjects from the following:			36cp
49121	Environmental Assessment and Planning		6cp
49122	Ecology and Sustainability		6cp
49123	Waste and Pollution Management		6cp
49257	Geographic Information Systems		6cp
49125	Environmental Risk Assessment		6cp
49126	Environmental Management of Land		6cp
49116	Contaminated Site and Waste Remediation		6cp
49127	Decentralised Water and Wastewater Treatment		6cp
49049	Air and Noise Pollution		6cp
49109	Engineered Natural Water Treatment Systems		6cp
Select 12 credit points from the following options:			12cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49108	Local Government Powers and Practice	6cp	

Subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49126	Environmental Management of Land	6cp
49257	Geographic Information Systems	6cp

Subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49049	Air and Noise Pollution	6cp
49121	Environmental Assessment and Planning	6cp
49125	Environmental Risk Assessment	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49116	Contaminated Site and Waste Remediation	6cp

Articulation with UTS courses

Graduate Certificate in Environmental Engineering Management (C11051) (see page 486) students may transfer to this course with full credit for subjects completed during the graduate certificate.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04102v2 Master of Engineering Management Master of Business Administration

CRICOS code: 030558B
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Note(s)

This course is only offered to international students.

However, other students can complete the same course of study by enrolling in the Master of Engineering Management (C04094) (see page 366) and then the Master of Business Administration (C04018) (see page 355) (Technology Management major (MAJ08938)).

Overview

The Faculty of Engineering and Information Technology together with the Faculty of Business have developed a suite of master's degrees that provide all the advantages of a generalist Master of Business Administration and a focused engineering management program.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Once students have completed the Master of Engineering Management they need to submit an application for credit recognition, exempting up to eight subjects (48 credit points) towards the Master of Business Administration (Technology Management major). The faculty does not grant credit recognition based on work experience.

Course duration and attendance

The course can be completed in two years of full-time study, comprising one year each for the Master of Engineering Management and the Master of Business Administration (Technology Management major). It is also available part time. Attendance is available in weekly, block and / or distance modes.

Course structure

To complete the Master of Engineering Management, students must complete six compulsory subjects (totalling 36 credit points) and two elective subjects (totalling 12 credit points) chosen from the list of MEM electives.

To complete the Master of Business Administration (Technology Management major), students must complete six compulsory subjects (totalling 36 credit points) and two elective subjects (totalling 12 credit points) chosen from those available in the Technology Management major.

Course completion requirements

STM90465	MEM stream	48cp
STM90464	MBA stream	48cp
		Total 96cp

Course program

The lists of requirements for the Master of Engineering Management and the Master of Business Administration are shown below.

Master of Engineering Management

49001	Judgment and Decision Making	6cp
22747	Accounting for Managerial Decisions	6cp
21844	Managing Work and People	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49309	Quality Planning and Analysis	6cp

Select 12 credit points from the following options: 12cp

49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49306	Quality and Operations Management Systems	6cp
49016	Technology and Innovation Management	6cp

Master of Business Administration

21715	Strategic Management	6cp
21878	Organisational Dialogue: Theory and Practice	6cp
24734	Marketing Management	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
21800	Management and Organisations	6cp

Select 12 credit points from the following options: 12cp

49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49306	Quality and Operations Management Systems	6cp
49016	Technology and Innovation Management	6cp

Subjects typically offered in Autumn

21844	Managing Work and People	6cp
22747	Accounting for Managerial Decisions	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49306	Quality and Operations Management Systems	6cp
49016	Technology and Innovation Management	6cp
49309	Quality Planning and Analysis	6cp

Subjects typically offered in Spring

21844	Managing Work and People	6cp
22747	Accounting for Managerial Decisions	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04106v5 Master of Arts in Journalism

Award(s): Master of Arts in Journalism (MA)
UAC code: 940500 (Autumn semester, Spring semester)
CRICOS code: 006820D
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Arts in Journalism is part of an articulated program of study for people who want to start a journalism career and for experienced journalists wanting to broaden their skills and professional technological expertise and refresh the intellectual basis of their practice.

This is the only program of its kind in Sydney, where the Australian media is increasingly concentrating. The journalism staff at UTS has a record of excellence in professional practice reflected in media contacts. In addition, the course has close links with the Australian Centre for Independent Journalism, which provides a professional setting for student work.

Course aims

Graduates of the program:

- have strong research and reporting skills and a knowledge and critical understanding of the media
- are equipped with the necessary skills to either enter professional practice in the media or continue practice with additional skills and intellectual depth
- strive to promote the important role of professional and ethical journalism in the service of the public, and
- have an understanding of the role of the media in local, regional, national and global contexts.

Career options

Career options include reporter or editor in local, corporate, national and international print and broadcast media organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have successfully completed the Graduate Certificate in Journalism (C11058) (see page 489) or the Graduate Diploma in Journalism (C06037) (see page 441) are eligible for credit recognition for completed subjects.

Course duration and attendance

The course is one-and-a-half years of full-time or two-and-a-half years of part-time study.

Course structure

The course totals 72 credit points of study, made up of 48 credit points of core subjects and 24 credit points of elective subjects.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90819	Core subjects (Journalism)	40cp
CBK90898	Electives (Journalism)	24cp
CBK90899	Choices (Journalism PG)	8cp
		Total 72cp

Course program

Typical course programs are shown below for full-time and part-time students, commencing in either Autumn or Spring semester.

Autumn commencing, full time

Year 1

Autumn semester

57011	Research and Reporting for Journalism	8cp
57151	Storytelling with Sound and Image	8cp

Select one of the following: 8cp

57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp

Spring semester

57013	Journalism Studies	8cp
57185	Journalism Major Project 1	8cp

Select 8 credit points of options 8cp

Year 2

Autumn semester

57186	Journalism Major Project 2	8cp

Select 16 credit points of electives 16cp

Autumn commencing, part time

Year 1

Autumn semester

57011	Research and Reporting for Journalism	8cp

Select one of the following: 8cp

57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp

Spring semester

57013	Journalism Studies	8cp
57151	Storytelling with Sound and Image	8cp

Year 2

Autumn semester

Select 16 credit points of electives 16cp

Spring semester

57185	Journalism Major Project 1	8cp

Select 8 credit points of electives 8cp

Year 3

Autumn semester

57186	Journalism Major Project 2	8cp

Spring commencing, full time

Year 1

Spring semester

57011	Research and Reporting for Journalism	8cp
57151	Storytelling with Sound and Image	8cp
57013	Journalism Studies	8cp

Year 2

Autumn semester

Select one of the following:			8cp
57012	Regulation of the Media	8cp	
57138	International and Comparative Journalism	8cp	
57185	Journalism Major Project 1		8cp
Select 8 credit points of electives			8cp

Spring semester

57186	Journalism Major Project 2	8cp
Select 16 credit points of electives		16cp

Spring commencing, part time

Year 1

Spring semester

57011	Research and Reporting for Journalism	8cp
57013	Journalism Studies	8cp

Year 2

Autumn semester

Select one of the following:			8cp
57012	Regulation of the Media	8cp	
57138	International and Comparative Journalism	8cp	
57151	Storytelling with Sound and Image		8cp

Spring semester

Select 8 credit points of electives	8cp

Year 3

Autumn semester

57185 Journalism Major Project 1	8cp
Select 8 credit points of electives	8cp

Spring semester

57186 Journalism Major Project 2	8cp
Select 8 credit points of electives	8cp

Articulation with UTS courses

This course is part of an articulated program including the Graduate Certificate in Journalism (C11058) (see page 489) and the Graduate Diploma in Journalism (C06037) (see page 441).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04109v7 Master of Arts in Creative Writing

Award(s): Master of Arts in Creative Writing (MA)
UAC code: 940512 (Autumn semester, Spring semester)
CRICOS code: 032331E
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Arts in Creative Writing is designed for experienced writers who want to further develop their theoretical knowledge and skills. Students learn valuable skills and work towards developing a major project under the guidance of an academic faculty member with expertise in creative writing.

Students study one genre in depth or explore a range of genres and media.

Course aims

Graduates of this course develop:

- general and specific skills in writing across a range of genres
- an ability to develop and critically revise their own work
- an understanding of the relationships of writing practice and publication across a range of media and contemporary cultural forms
- a critical knowledge of cultural and aesthetic debates, and
- an ability to think creatively and critically about, and contribute to, developments in cultural industries.

Career options

Career options include advertising, computing, creative writing, freelance writing and editing, journalism, media research, publishing or scriptwriting, and editing in community organisations or government departments.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements. To be eligible to articulate into the Master of Arts in Creative Writing (C04109) from the Graduate Certificate in Screenwriting (C11066) (see page 490), the Graduate Certificate in Editing and Publishing (C11071) (see page 490), or the Graduate Diploma in Creative Writing (C06041) (see page 442), students must complete at least two postgraduate writing subjects with a distinction grade or higher.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

All applicants are required to:

- explain what writing experience they have
- list their publications, if any
- attach one example of their creative writing
- supply written references from people who are familiar with their ability and potential (if the applicant does not have academic or professional qualifications).

Credit recognition

Students who have successfully completed one of the graduate certificates or the graduate diploma in the articulated program and who are admitted to this course are eligible for credit recognition for completed subjects.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or equivalent part-time basis.

Course structure

The course comprises 72 credit points, made up of five core subjects and three electives.

Students may select subjects beyond the lists of elective subjects with the approval of the graduate adviser. Not all subjects are available each semester.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

CBK90528	Electives	24cp
STM90815	Core subjects	24cp
STM90816	Core subjects (Creative Writing)	24cp
		Total 72cp

Course program

Example programs are shown below.

Autumn commencing, part time

Year 1

Autumn semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp

Spring semester

57031	Non-fiction Writing	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57188	Writing Project 1	8cp
Select 8 credit points of electives		8cp

Spring semester

57190	Writing Seminar	8cp
Select 8 credit points of electives		8cp

Year 3

Autumn semester

57189	Writing Project 2	8cp

Spring commencing, part time

Year 1

Spring semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp

Year 2

Autumn semester

57031	Non-fiction Writing	8cp
Select 8 credit points of electives		8cp

Spring semester

57188	Writing Project 1	8cp
Select 8 credit points of electives		8cp

Year 3

Autumn semester

57190	Writing Seminar	8cp
Select 8 credit points of electives		8cp

Spring semester

57189	Writing Project 2	8cp

Autumn commencing, full time

Year 1

Autumn semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp
Select 8 credit points of electives		8cp

Spring semester

57188	Writing Project 1	8cp
57031	Non-fiction Writing	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57190	Writing Seminar	8cp
57189	Writing Project 2	8cp
Select 8 credit points of electives		8cp

Spring commencing, full time

Year 1

Spring semester

57134	Theory and Creative Writing	8cp
57031	Non-fiction Writing	8cp
57041	Narrative Writing	8cp

Year 2

Autumn semester

57188	Writing Project 1	8cp
Select 16 credit points of electives		16cp

Spring semester

57190	Writing Seminar	8cp
57189	Writing Project 2	8cp
Select 8 credit points of electives		8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Screenwriting (C11066) (see page 490), the Graduate Certificate in Editing and Publishing (C11071) (see page 490), the Graduate Diploma in Creative Writing (C06041) (see page 442) and the Master of Arts in Creative Writing.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04140v9 Master of Health Services Management

Award(s): Master of Health Services Management in (name of major) (MHSM)
UAC code: 940807 (Planning) (Autumn semester, Spring semester), 940810 (Autumn semester, Spring semester), 940817 (Clinical Leadership) (Autumn semester, Spring semester), 940821 (Health Research) (Autumn semester, Spring semester)
CRICOS code: 040694M
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Note(s)

This course offers a mid-year intake for local and international students.

Overview

This is a comprehensive course in health services management and aims to expand students' knowledge and future career opportunities. The course develops students' knowledge and skills, which leads to an enhanced capacity to manage health services in a diverse range of health settings.

Graduates of this course are exposed to academic and industry leaders who share their experience and knowledge to facilitate insight into the contemporary health service management environment.

Students can focus on health services management or complete a major in:

- Planning
- Clinical Leadership, or
- Health Research.

The Planning major provides a blend of subjects to assist graduates in planning and evaluating health services, understanding health needs, and managing change in a dynamic and complex environment.

The Clinical Leadership major provides a blend of subjects to assist graduates in maximising the efficiency, effectiveness, and safety of health services as well as ensuring that governance, quality, and risk mitigation frameworks contribute to excellence in health care delivery.

The Health Research major provides a blend of health services management, research coursework and independent study subjects to assist graduates in undertaking health services research and those who wish to be considered for admission to a doctoral program.

Course aims

This course is designed to prepare new, aspiring and middle health service planners and managers to assume a leadership role in the strategic and operational management of a wide range of health services and facilities. The content aims to develop skills in managing people, resources, systems, and processes within health services to meet the changing needs of communities, clinicians, governments and organisations.

Career options

Career options include positions as managers and/or planners in health authorities, hospitals, primary and community care, aged care services, and other healthcare facilities in the public, private, not-for-profit, government, and non-government health sectors.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

This evidence may include extensive relevant work experience in a health or human services field.

Applicants must have at least one year's full-time equivalent experience in a medium to large organisation, preferably in the health or human services area. Work experience undertaken in small work settings (e.g. private practice settings with a small number of professionals) or as part of intern requirements are not accepted.

Applicants who do not have an undergraduate degree but who have extensive relevant work experience in a health or human services field and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is one-and-a-half years of full-time or three years of part-time study.

Subjects are offered via on-campus study. Part-time students usually study two subjects a semester.

Course structure

Students must complete a total of 72 credit points, choosing one of three majors (in Planning, Clinical Leadership, or Health Research) or a no-major option to complete the course. In all options, with the exception of the Health Research major, students choose two electives from the list of electives provided within each choice block. Students who wish to undertake an elective subject that is not listed should seek advice from UTS: Health.

Course completion requirements

Select 72 credit points from the following options:			72cp
MAJ06215	Health Research	72cp	
MAJ08968	Planning	72cp	
STM90712	Health Services Management (No major)	72cp	
MAJ08971	Clinical Leadership	72cp	
			Total 72cp

Course program

Typical programs are shown below.

No major, Autumn commencing, full time

Year 1

Autumn semester

92887	Organisational Management in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92917	Using Health Care Data for Decision Making	6cp
92638	Foundations of the Australian Healthcare System	6cp

Spring semester

92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp
92297	Health Systems and Change	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives 12cp	

Year 2

Autumn semester

92847	Planning and Evaluating Health Services	6cp
26703	Introductory Health Economics	6cp
92946	Project Part A	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives 12cp	

No major, Autumn commencing, part time

Year 1

Autumn semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Year 2

Autumn semester

92296	Epidemiology and Population Health	6cp
26703	Introductory Health Economics	6cp

Spring semester

92050	Policy, Power and Politics in Health Care	6cp
92297	Health Systems and Change	6cp

Year 3

Autumn semester

92847	Planning and Evaluating Health Services	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives 12cp	

Spring semester

92946	Project Part A	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives 12cp	

No major, Spring commencing, full time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp
92917	Using Health Care Data for Decision Making	6cp

Year 2

Autumn semester

92297	Health Systems and Change	6cp
26703	Introductory Health Economics	6cp
92050	Policy, Power and Politics in Health Care	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives	12cp

Spring semester

92847	Planning and Evaluating Health Services	6cp
92296	Epidemiology and Population Health	6cp
92946	Project Part A	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives	12cp

No major, Spring commencing, part time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Year 2

Autumn semester

92887	Organisational Management in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp

Spring semester

92296	Epidemiology and Population Health	6cp
92050	Policy, Power and Politics in Health Care	6cp

Year 3

Autumn semester

26703	Introductory Health Economics	6cp
92297	Health Systems and Change	6cp

Spring semester

92847	Planning and Evaluating Health Services	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives	12cp

Year 4

Autumn semester

92946	Project Part A	6cp
Select 6 credit points from the following options:		6cp
CBK90902	Electives	12cp

Planning major, Autumn commencing, full time

Year 1

Autumn semester

92917	Using Health Care Data for Decision Making	6cp
92847	Planning and Evaluating Health Services	6cp
92887	Organisational Management in Health Care	6cp
92638	Foundations of the Australian Healthcare System	6cp

Spring semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92295	Advanced Health Services Planning	6cp
92050	Policy, Power and Politics in Health Care	6cp
Select 6 credit points from the following options:		6cp
CBK90901	Electives (Planning)	12cp

Year 2

Autumn semester

92297	Health Systems and Change	6cp
26703	Introductory Health Economics	6cp
92296	Epidemiology and Population Health	6cp
Select 6 credit points from the following options:		6cp
CBK90901	Electives (Planning)	12cp

Planning major, Autumn commencing, part time

Year 1

Autumn semester

92917	Using Health Care Data for Decision Making	6cp
92638	Foundations of the Australian Healthcare System	6cp

Spring semester

92887	Organisational Management in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp

Year 2

Autumn semester

26703	Introductory Health Economics	6cp
92847	Planning and Evaluating Health Services	6cp

Spring semester

92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp

Year 3

Autumn semester

92297	Health Systems and Change	6cp
Select 6 credit points from the following options:		6cp
CBK90901	Electives (Planning)	12cp

Spring semester

92295	Advanced Health Services Planning	6cp
Select 6 credit points from the following options:		6cp
CBK90901	Electives (Planning)	12cp

Planning major, Spring commencing, full time

Year 1

Spring semester

92917	Using Health Care Data for Decision Making	6cp
92887	Organisational Management in Health Care	6cp
92638	Foundations of the Australian Healthcare System	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp

Year 2

Autumn semester

92847	Planning and Evaluating Health Services	6cp
26703	Introductory Health Economics	6cp
92050	Policy, Power and Politics in Health Care	6cp
Select 6 credit points from the following options:		6cp
CBK90901	Electives (Planning)	12cp

Spring semester

92295	Advanced Health Services Planning	6cp
92297	Health Systems and Change	6cp
92296	Epidemiology and Population Health	6cp
Select 6 credit points from the following options:		6cp
CBK90901	Electives (Planning)	12cp

Planning major, Spring commencing, part time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Year 2

Autumn semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Spring semester

92847	Planning and Evaluating Health Services	6cp
92296	Epidemiology and Population Health	6cp

Year 3

Autumn semester

26703	Introductory Health Economics	6cp
92050	Policy, Power and Politics in Health Care	6cp

Spring semester

92295	Advanced Health Services Planning	6cp

Select 6 credit points from the following options: 6cp

CBK90901	Electives (Planning)	12cp

Year 4

Autumn semester

92297	Health Systems and Change	6cp

Select 6 credit points from the following options: 6cp

CBK90901	Electives (Planning)	12cp

Clinical Leadership major, Autumn commencing, full time

Year 1

Autumn semester

92887	Organisational Management in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

92296	Epidemiology and Population Health	6cp
92847	Planning and Evaluating Health Services	6cp
92297	Health Systems and Change	6cp

Select 6 credit points from the following options: 6cp

CBK90878	Electives (Clinical Leadership)	12cp

Year 2

Autumn semester

92932	Management for Clinicians	6cp
92022	Improving Quality and Safety in Health Care	6cp
92050	Policy, Power and Politics in Health Care	6cp

Select 6 credit points from the following options: 6cp

CBK90878	Electives (Clinical Leadership)	12cp

Clinical Leadership major, Autumn commencing, part time

Year 1

Autumn semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Year 2

Autumn semester

92050	Policy, Power and Politics in Health Care	6cp
92847	Planning and Evaluating Health Services	6cp

Spring semester

92296	Epidemiology and Population Health	6cp

Select 6 credit points from the following options: 6cp

CBK90878	Electives (Clinical Leadership)	12cp

Year 3

Autumn semester

92022	Improving Quality and Safety in Health Care	6cp
92932	Management for Clinicians	6cp

Spring semester

92297	Health Systems and Change	6cp

Select 6 credit points from the following options: 6cp

CBK90878	Electives (Clinical Leadership)	12cp

Clinical Leadership major, Spring commencing, part time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Year 2

Autumn semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Spring semester

92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp

Year 3

Autumn semester

92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp

Spring semester

92847	Planning and Evaluating Health Services	6cp

Select 6 credit points from the following options: 6cp

CBK90878	Electives (Clinical Leadership)	12cp

Year 4

Autumn semester

92932	Management for Clinicians	6cp

Select 6 credit points from the following options: 6cp

CBK90878	Electives (Clinical Leadership)	12cp

Articulation with UTS courses

This course is part of an articulated program made up of the Graduate Certificate in Health Services Management (C11107) (see page 492), the Graduate Diploma in Health Services Management (C07048) (see page 462) and the Master of Health Services Management.

Professional recognition

Australasian College of Health Service Management (ACHSM).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Dr Jennifer Bichel-Findlay

Course Coordinator

email Jennifer.Bichel-Findlay@uts.edu.au

www.health.uts.edu.au

C04143v6 Master of Laws

Award(s): Master of Laws (LLM)
UAC code: 940401 (Autumn semester, Spring semester)
CRICOS code: 001125A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The UTS Master of Laws (LLM) caters to the changing demands of the legal profession. Providing the opportunity for law graduates to specialise in particular areas that are relevant to their area of legal practice, the UTS LLM is vocationally relevant and intellectually rewarding.

Close interaction between the legal profession and UTS: Law guarantees a close match between a first-class education and a marketable postgraduate legal qualification. Classes are taught by a mix of practising professionals, full-time academic staff and international visiting academics, and opportunities for cross-institutional study, both inside and outside Australia, are encouraged.

Career options

Specialisation and development of expertise leads to careers in a range of sought-after specialist vocations in the practice of law.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

A relevant, appropriate first degree is the Bachelor of Laws with honours, or the Juris Doctor, or a Bachelor of Laws or LPAB Diploma in Law together with a graduate certificate in the discipline of law, or equivalent or higher qualification. Students with a Bachelor of Laws from a non-common law country may be required to complete 78234 Common Law Legal Traditions. Students who have graduated with a Shari'a law degree are not eligible to apply for this course. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have successfully completed the Master of Law and Legal Practice, the Master of Dispute Resolution (C04145) (see page 382) or the Master of International Law (C04149) (no longer offered) at UTS, or equivalent postgraduate law studies at a recognised tertiary institution, may, in line with UTS: Law policy, apply for a maximum of one quarter of the credit-point value of the course in exemptions.

Students who have successfully completed the Juris Doctor (C04236) (see page 405) at UTS and have completed 6 credit point Master of Laws equivalent subjects within the Juris Doctor may apply for these subjects to be credited towards the Master of Laws, up to a maximum of 12 credit points.

Solicitors with current specialist accreditation from the Law Society of NSW may apply for 6 unspecified credit points of exemption within this course.

Course duration and attendance

The course can be completed in a minimum of one year of full-time or two years of part-time study. Subjects may also be available in Summer session, allowing accelerated progression.

Course structure

Students in this course undertake eight 6-credit-point postgraduate subjects (totalling 48 credit points).

Students may choose to undertake one or two majors, by completing at least four subjects (24 credit points) within the area of the major. Students may also choose not to major in a particular area and instead choose eight subjects (48 credit points) from across the major areas.

As part of this course, students must complete the subject 78101 Postgraduate Legal Research. This subject can be included in any of the majors or choiceblocks. Students from a non-common law background are also required to enrol in the subject 78234 Common Law Legal Traditions.

Refer to the course entry in the *UTS: Handbook 2013* for the previous course structure. For a current listing of subjects in each course refer to the study package directory.

Course completion requirements

Select 48 credit points from the following options:			48cp
MAJ09390	Corporate and Commercial Law	24cp	
MAJ09392	International Law	24cp	
MAJ09400	Intellectual Property	24cp	
MAJ09410	Global Business Law	24cp	
MAJ09425	Dispute Resolution	24cp	
CBK90400	Options (Law)	24cp	
			Total 48cp

Course program

The list of available majors is shown below.

Most subjects are timetabled over a two-year period and consequently not all subjects listed are offered in any one year. Timetabled subjects are offered subject to sufficient student interest. The current timetable can be found at:

http://timetable.uts.edu.au

List of majors

MAJ09390	Corporate and Commercial Law	24cp
MAJ09425	Dispute Resolution	24cp
MAJ09392	International Law	24cp
MAJ09400	Intellectual Property	24cp
MAJ09410	Global Business Law	24cp

Levels of award

To qualify for honours in the Master of Laws, candidates must attain a weighted average mark of 80 per cent across all subjects attempted.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04145v4 Master of Dispute Resolution

Award(s): Master of Dispute Resolution (MDR)
UAC code: 940402 (Autumn semester, Spring semester)
CRICOS code: 027886A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The UTS Dispute Resolution program, a first in Australia, focuses on the wide range of non-adversarial dispute resolution processes. The subjects available accommodate distinct streams that include commerce, family, community and court-annexed programs.

Dispute resolution at UTS is focused on experiential learning involving a fusion of critical and reflective thinking paradigms with the application of theory in practical, work-based contexts.

The mixture of experience-based learning and formal lectures by professional practitioners give students a hands-on understanding of the full range of dispute resolution processes, from negotiation through the consensual processes to decisional theory.

Career options

Career options include arbitrator, manager, negotiator and professionals in a wide range of areas such as health and education, government and industrial relations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of one year of full-time or two years of part-time study.

The core introductory subject is offered in intensive block mode over several days of attendance at the beginning of semester. The other subjects are taught in intensive block mode over several full days of lectures, workshops and seminars.

Course structure

The course requires completion of a core introductory subject (6 credit points) plus a further seven subjects (42 credit points).

Subjects are regularly timetabled but not all subjects listed are offered in any one semester. Timetabled subjects are offered subject to sufficient student interest. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

79771	Dispute Resolution		6cp
Select 42 credit points from the following options:			42cp
77746	Advanced Mediation	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77792	Crisis Negotiation	6cp	
77761	Dispute Resolution in Commerce	6cp	
77760	Family Dispute Resolution	6cp	
77751	International Commercial Arbitration	6cp	
77745	Negotiation	6cp	
77740	Research Paper	6cp	
77867	Workplace Dispute Resolution	6cp	
STM90111	Research project (Law PG)	12cp	
77783	International Commercial Dispute Resolution	6cp	
77850	Psychology and Dispute Resolution	6cp	
78029	Mediation Practice	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
78138	Facilitation	6cp	
78247	Collaborative Law	6cp	
			Total 48cp

Levels of award

To qualify for honours in the master's program, candidates must attain a weighted average mark of 75 per cent across all subjects attempted and complete the two-semester research project.

Articulation with UTS courses

Graduate Certificate in Dispute Resolution (C11125) (see page 497) candidates may internally transfer to the Master of Dispute Resolution. Subjects undertaken within the graduate certificate are recognised within the master's.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04147v5 Master of Legal Studies

Award(s): Master of Legal Studies (MLS)
UAC code: 940406 (Autumn semester, Spring semester, Summer session)
CRICOS code: 021717M
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

The Master of Legal Studies is not a professional legal qualification. Applicants seeking to be admitted to practice should refer to the Juris Doctor (C04236) (see page 405) or the Bachelor of Laws (C10124) (see page 182). Students may apply for some subjects undertaken within the Master of Legal Studies to be credited towards these degrees.

Overview

The UTS: Law Legal Studies program meets the growing market need for non-law graduates working in the public and private sectors to have a thorough understanding of the legal and regulatory framework in which they operate. This includes an understanding of foundational legal concepts such as contract law and tort law, methods of legal research and theory, as well as the opportunity to develop expertise in specialist legal areas such as compliance and intellectual property law.

The Master of Legal Studies attracts students from a wide variety of backgrounds interested in expanding their skills to include an understanding of the legal framework, including professionals from the insurance, human resources, banking and finance industries, managers and administrators, and HSC legal studies teachers.

Career options

The program particularly benefits accountants and auditors, business development managers, compliance managers, engineers and architects, financial advisers and planners, IT professionals, law enforcement officers, paralegals, policy officers in the public, private and non-profit sectors, property developers, and public sector managers and administrators (especially those who work in Department of Foreign Affairs and Trade, Department of Communications, Information Technology and the Arts, the Attorney-General's Department and Treasury).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

An applicant's bachelor's degree must be in a discipline other than law. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of one year of full-time or two years of part-time study. Subjects may also be available in Summer session, allowing accelerated progression.

The course features a variety of attendance patterns, including intensive block attendance and weekly on-campus evening classes.

Course structure

The course requires completion of core subjects (30 credit points), including two compulsory introductory subjects and a choice of two further foundation subjects, plus a further three option subjects (18 credit points). (Refer to the course entry in the *UTS: Handbook 2013* for the pre-2014 course structure. For a current listing of subjects in each course, refer to the study package directory).

Core subjects are timetabled in Autumn and Spring semesters and option subjects are regularly timetabled but not all option subjects listed are offered in any one semester. Timetabled subjects are offered subject to sufficient student interest. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

STM90689	Core subjects (Legal Studies)	30cp
CBK90588	Options	18cp
		Total 48cp

Articulation with UTS courses

Subjects undertaken within the Graduate Diploma in Legal Studies (C07074) (see page 465) are recognised within the Master of Legal Studies. Students enrolled in the graduate diploma may apply to internally transfer to the master's program. Candidates are not awarded the graduate diploma but subjects undertaken are applied towards the master's.

Subjects undertaken within the Juris Doctor (C04236) (see page 405) are recognised within the Master of Legal Studies. Students enrolled in the Juris Doctor may apply to internally transfer to the master's program. Candidates are not awarded the Juris Doctor but subjects undertaken are applied towards the master's.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04157v8 Master of Information Technology

Award(s): Master of Information Technology (MInfTech)
UAC code: 940601 (Autumn semester, Spring semester)
CRICOS code: 040691C
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

This course is designed to enable students to achieve a comprehensive and greater understanding of information technology in specialised technical or management areas. The wide range of specialisations allow students to tailor the course to satisfy their career development needs.

It is essential to keep IT knowledge and skills up-to-date. This course provides students with an enhanced understanding of the business context and technical developments shaping contemporary information and communications technology (ICT), and equips them to meet the challenges of working in the IT industry.

Course aims

The course provides students with an understanding of the advanced concepts of information technology in a commercial environment so they can contribute to the development of IT solutions in their organisation.

Career options

Career options include a wide variety of positions in the IT industry, including business intelligence expert, e-business developer, games developer, information systems manager, IT project manager, movie animator, software architect, software quality/testing specialist and systems analyst.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course an equivalent degree can be from any discipline (as applicants for this program may apply as a non-IT graduate or an IT graduate).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Applicants with a recognised bachelor's degree in computing or information technology (or equivalent) may apply for credit recognition equivalent to the 24-credit-point Graduate Certificate in Information Technology (C11142) (see page 499).

Course duration and attendance

The course duration is one-and-a-half years of full-time or three years of part-time study.

Course structure

This course totals 72 credit points, comprising eight core subjects and 18-24 credit points of electives selected from a defined list. The number of electives depends on whether students choose a 6-credit-point or 12-credit-point research project.

Students articulating from pre-2008 version(s) of the Graduate Certificate or Graduate Diploma in Information Technology are typically eligible for advanced standing of 24 credit points equivalent to the subjects in STM90695 (thus requiring 48 credit points to complete the course).

Course completion requirements

Select one of the following:			24cp
STM90695	Core subjects	24cp	
CBK90802	Choice	24cp	
32144	Technology Research Preparation		6cp
32563	IT Professional and Society		6cp
32541	Project Management		6cp
CBK90844	Research choice		12cp
CBK90845	Choice		18cp
			Total 72cp

Course program

The following examples show typical full-time programs for IT graduates, with and without credit recognition, and for non-IT graduates.

Note: Electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

IT graduates with credit recognition

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
32541	Project Management	6cp
Select 12 credit points of electives		12cp

Spring semester

CBK90844	Research choice	12cp
32563	IT Professional and Society	6cp
Select 6 credit points of electives		6cp

IT graduates without credit recognition

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
32541	Project Management	6cp
Select 12 credit points of electives		12cp

Spring semester

32563	IT Professional and Society	6cp
Select 18 credit points of electives		18cp

Year 2

Autumn semester

CBK90844	Research choice	12cp
Select 12 credit points of electives		12cp

Non-IT graduates

Year 1

Autumn semester

32555	Fundamentals of Software Development	6cp
32524	LANS and Routing	6cp
32606	Database	6cp
32144	Technology Research Preparation	6cp

Spring semester

32557	Enabling Enterprise Information Systems	6cp
32541	Project Management	6cp
32563	IT Professional and Society	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

CBK90844	Research choice	12cp
Select 12 credit points of electives		12cp

Articulation with UTS courses

This course is part of an articulated program of study comprising the Graduate Certificate in Information Technology (C11142) (see page 499), the Graduate Diploma in Information Technology (C06058) (see page 443), the Master of Information Technology and the Master of Information Technology (Extended) (C04218) (see page 391).

Professional recognition

Graduates qualify for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04158v3 Master of Interactive Multimedia

Award(s): Master of Interactive Multimedia (MIMM)
UAC code: 940605 (Autumn semester, Spring semester)
CRICOS code: 029620M
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

This course is designed for students from a wide variety of disciplines who may or may not already be working in areas of multimedia. For this reason it contains a considerable number of elective subjects to enable students to gain new areas of knowledge or broaden existing areas.

While this program is managed by the Faculty of Engineering and Information Technology, it is a joint program between the Faculty of Engineering and Information Technology, the Faculty of Arts and Social Sciences, and a number of other teaching faculties.

The program is designed to educate the innovators and future leaders of the various professions working in multimedia. Graduates acquire the fundamentals in multimedia, underpinning an up-to-date, flexible set of production skills in their own specialised area.

Course aims

A defining characteristic of multimedia education at UTS is the integration of theory and practice in all of the relevant disciplines and professions. The course aims to develop students' professional skills for direct application in the workplace, while providing a solid overview and understanding of the social, historical and industrial role of multimedia communication technologies. Graduates are prepared for a career in a rapidly growing and changing industry.

Career options

Career options include positions in digital media, the mobile web, information architecture, interaction design, new media, web design, web development and web project management. Various events are organised throughout the year to showcase student work and give students the opportunity to speak with industry professionals, including recruiters.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Unless applicants have an honours degree, or equivalent, they require:

- a three-year bachelor's degree (or equivalent), plus either two years of relevant professional experience or a credit average or better in a Graduate Certificate or Graduate Diploma in Interactive Multimedia, or
- outstanding professional experience at a senior level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Given the interdisciplinary focus and teamwork emphasis of this course, credit recognition and subject exemptions are not normally granted for other postgraduate study or work experience.

Course duration and attendance

The course can normally be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

This course comprises 72 credit points of study, made up of six core subjects, four elective subjects and a digital media project.

Industrial training/professional practice

Industrial training is available to both local and international students as a separate work-based learning course. Students can enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) after completing a minimum of four core subjects. Students can be assisted in finding an internship, or may wish to have current relevant industry work experience recognised.

Course completion requirements

95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
95569	Digital Media Project	12cp
CBK90303	Electives (Interactive Multimedia)	24cp
		Total 72cp

Course program

An example program for a full-time student commencing in Autumn semester is shown below.

Elective subjects may be chosen from across the University and must be approved by the multimedia program leader and then the relevant faculty.

Year 1

Autumn semester

95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95567	Digital Media in Social Context	6cp

Spring semester

95566	Digital Information and Interaction Design	6cp
95568	Digital Sound and the Moving Image	6cp
Select 12 credit points of electives		12cp

Year 2

Autumn semester

95569	Digital Media Project	12cp
Select 12 credit points of electives		12cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Interactive Multimedia (C11143) (see page 500), the Graduate Diploma in Interactive Multimedia (C07078) (see page 466), and the Master of Interactive Multimedia.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04160v6 Master of Science in Internetworking

Award(s): Master of Science in Internetworking (MSc)
UAC code: 940609 (Autumn semester, Spring semester)
CRICOS code: 043341A
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

This course is intended for computing science, information technology or engineering graduates, with or without networking experience, who wish to learn or extend their knowledge of networking and networking technologies. As students come from a variety of backgrounds, there is a degree of subject choice in the program to meet individual needs.

The internetworking program provides practical, hands-on learning experience using resources provided by Cisco Systems for internetworking, including routing, switching, security, wireless and VoIP. Advanced electives in internetworking are available. The program covers all aspects of the organisational use of networks: design, implementation, security, management, end systems and applications.

This course allows students to develop multiple skills across the internetworking field, according to interest and elective choices, for example, switching and routing, systems and network management and analysis, network security, mobility, and web services development.

Course aims

This program aims to:

- meet the needs of industry for networking specialists
- target a number of industry-based certifications: CCNA (Cisco Certified Network Associate) and CCNP (Cisco Certified Network Professional), Cisco Wireless LAN Support Specialist and Cisco Certified Security Professional
- retrain IT professionals wishing to move into networking and internetworking
- provide a thorough and practical grounding in networking, network design, network administration and network management
- provide a solid foundation for the writing of networked applications using Unix, Java and WWW technologies, and
- meet students' needs by allowing specialisation through project work and subject choice.

Career options

Career options include applications developer, client server architect, network administrator, network architect, network designer, network integrator, network systems programmer, programmer analyst, security architect, system support analyst or a role in data communications.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications are preferred in computing science, information technology, computer engineering, telecommunications, or a related discipline.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Assumed knowledge

Two years' experience in networking or in another position in the IT industry is desirable. Applicants without work experience are also considered.

Credit recognition

Exemptions are granted only for subjects at the graduate certificate level. There are no exemptions granted for the networking subjects 32524 and 32521 without the successful completion of the challenge test for each of the above. A challenge test is required even for holders of a CCNA or CCNP certification and those who have passed the CCNA curriculum in TAFE Certificate IV and/or Diploma. These challenge tests are always held in the week prior to the commencement of classes.

Course duration and attendance

The course duration is one-and-a-half years of full-time or three years of part-time study.

Course structure

This course totals 72 credit points of study, including 48 credit points for completion of the graduate diploma, plus a further 24 credit points of elective subjects, comprising either optional research methodologies and project subjects or elective coursework subjects. In some circumstances, it may be possible to choose two electives from outside the list, provided they are approved by the course coordinator.

Where applicable, project topics should be relevant to students' professional career goals and should be an area of current research interest in their area of study.

Course completion requirements

CBK90225	Core subjects choice	42cp
CBK90476	Internetworking choice	6cp
STM90729	Core subjects	24cp
		Total 72cp

Course program

A typical full-time program for students commencing in Autumn semester is shown below.

Students can enrol in 32521 WANs and VLANs as either a core subject or an elective. However, as this subject has a prerequisite of 32524 LANS and Routing, it cannot be taken during the first semester of study. Full-time students are advised to enrol in 32144 Technology Research Preparation in their first semester.

Note: Subjects listed as electives may not be offered if there is insufficient demand or a lack of necessary resources.

Year 1

Autumn semester

32118	Mobile Communications and Computing	6cp
32524	LANS and Routing	6cp
32547	UNIX Systems Programming	6cp
32144	Technology Research Preparation	6cp

Spring semester

CBK90476	Internetworking choice	6cp
Select 18 credit points of options		18cp

Year 2

Autumn semester

Select 24 credit points of options	24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Internetworking (C11145) (see page 500), the Graduate Diploma in Internetworking (C07080) (see page 467), the Master of Science in Internetworking and the Master of Science in Internetworking (Extended) (C04224) (see page 393).

Professional recognition

Students can prepare for Cisco CCNA and CCNP industry certification.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04161v9 Master of Business in Information Technology Management

Award(s): Master of Business in Information Technology Management (MBus)
UAC code: 940612 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course focuses on the role of technology in the strategic leadership of organisations. It provides a well-balanced selection of subjects, drawn from advanced information technology and business domains, in an integrated program that is relevant to the current and future demands of the IT industry and business organisations.

IT professionals who have aspirations to senior IT roles and/or business leadership positions in organisations benefit from this course. Graduates are able to contribute constructively to the effective utilisation of information technology with respect to the strategic leadership of an organisation. IT managers who already have significant levels of experience are challenged by this course and gain new perspectives on the effective leadership of organisations in the digital era.

Course aims

The course aims to develop:

- the professional skills necessary for successfully undertaking strategic leadership roles in a variety of organisational contexts, and
- a conceptual and analytical understanding of an organisation's needs in a dynamic and challenging global knowledge economy.

Career options

Graduates can be employed in the full range of organisations - private, public and community sector organisations. Graduates can prepare to take on business leadership roles with the view to gaining executive level appointments in these organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Appropriate qualifications are the successful completion of the Graduate Diploma in Information Technology Management (C06060) (see page 444), or the successful completion of the Graduate Certificate in Information Technology Management (C11138) (see page 498) with passes in all subjects and at least a credit average over the entire course. Alternatively applicants require a recognised bachelor's degree (or equivalent) in an appropriate discipline such as information technology or commerce and a minimum of five years' professional work experience in the IT industry, plus some supervisory experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a three-year, part-time basis.

Course structure

Students complete 72 credit points of study, made up of seven core subjects, a research project and electives.

Course completion requirements

32553	Leadership and People Management	6cp
32930	Management Research Methods	6cp
32703	Information Technology Strategy	6cp
32005	Strategic Leadership for Innovation	6cp
32932	Management Research Project	6cp
42990	Organisational Design for the Knowledge Era	6cp
32561	Managing Organisational Change	6cp
32562	Strategic Business Management	6cp
CBK90639	Electives	24cp
		Total 72cp

Course program

A typical part-time program is shown below.

Note: Subjects listed as electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources. Students can apply to the course coordinator to enrol in an alternative subject as an elective.

Year 1

Autumn semester

42990	Organisational Design for the Knowledge Era	6cp
32553	Leadership and People Management	6cp

Spring semester

32005	Strategic Leadership for Innovation	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

32561	Managing Organisational Change	6cp
Select 6 credit points of electives		6cp

Spring semester

32562	Strategic Business Management	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

32703	Information Technology Strategy	6cp
32930	Management Research Methods	6cp

Spring semester

32932	Management Research Project	6cp
Select 6 credit points of electives		6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Information Technology Management (C11138) (see page 498), the Graduate Diploma in Information Technology Management (C06060) (see page 444), and the Master of Business in Information Technology Management.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04203v4 Master of Arts in Information and Knowledge Management

Award(s): Master of Arts in Information and Knowledge Management (MA)
UAC code: 940516 (Autumn semester, Spring semester)
CRICOS code: 006586J
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Arts in Information and Knowledge Management is part of an articulated program designed for people who need to provide and manage information services and/or manage and use information and knowledge effectively within organisations.

Graduates of the program have an understanding of the relationship between individuals and information and knowledge practices; contemporary issues, trends, innovations and forces for change in information practice; and ethical practice and the ability to operate with integrity, rigour, self-reliance and cooperation in professional contexts.

Course aims

Graduates of the program have:

- demonstrated sophisticated information handling skills appropriate for professional practice in diverse environments
- an understanding of how to achieve organisational objectives by creating, sharing and using knowledge
- an understanding of contemporary issues, trends, innovations and forces for change in information and knowledge practices, as well as the broader political, policy and technological contexts
- an understanding of ethical practice and the ability to operate with integrity, rigour, self-reliance and cooperation in professional contexts
- demonstrated creative, critical, reflective problem-solving capabilities in the context of their professional roles and a commitment to lifelong learning, and
- demonstrated capabilities in planning and implementing a project.

Career options

Career options include corporate information manager, database designer, electronic information systems manager, information content developer, information designer, knowledge manager, librarian, media researcher, network manager, research officer or records manager.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have successfully completed one of the graduate diplomas in the articulated program and who are admitted to this course are eligible for credit recognition for completed subjects.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or equivalent part-time basis.

Course structure

This course requires completion of 72 credit points. Students choose one of three streams: Information Management, Knowledge Management or Records Management. Students choose subjects from a specified list of electives. Students can choose an elective subject beyond the specified list only with the approval of the graduate adviser.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

Select 72 credit points from the following options:			72cp
STM90599	Information Management stream	72cp	
STM90600	Knowledge Management stream	72cp	
STM90513	Records Management stream	72cp	
			Total 72cp

Course program

Typical course programs are shown below.

Note: the Knowledge Management stream does not have a full-time intake in Spring semester.

Information Management stream, Autumn commencing, full time

Year 1

Autumn semester

57084	Information Architecture and Design	8cp
57148	Discovering and Accessing Information	8cp
57100	People, Information and Knowledge	8cp

Spring semester

57146	Organising Information	8cp
57089	Information Research and Data Analysis	8cp
CBK90517	Electives	8cp

Year 2

Autumn semester

57087	Knowledge Management and the Organisation	8cp

Select one of the following:			16cp
57009	Information and Knowledge Management Project	16cp	
STM90654	Master's option without project	16cp	

Information Management stream, Autumn commencing, part time

Year 1

Autumn semester

57148	Discovering and Accessing Information	8cp
57100	People, Information and Knowledge	8cp

Spring semester

57146	Organising Information	8cp
57089	Information Research and Data Analysis	8cp

Year 2

Autumn semester

57084	Information Architecture and Design	8cp
57087	Knowledge Management and the Organisation	8cp

Spring semester

Select one of the following:			4cp
57104	Information and Knowledge Management Project Part A	4cp	
57149	Information and Knowledge Management Major Paper	8cp	
CBK90517	Electives		8cp

Year 3

Autumn semester

Select one of the following:			12cp
57105	Information and Knowledge Management Project Part B	12cp	
CBK90562	Electives		8cp

Information Management stream, Spring commencing, full time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp
57146	Organising Information	8cp
CBK90517	Electives	8cp

Year 2

Autumn semester

57148	Discovering and Accessing Information	8cp
57087	Knowledge Management and the Organisation	8cp
57084	Information Architecture and Design	8cp

Spring semester

57089	Information Research and Data Analysis	8cp

Select one of the following:			16cp
57009	Information and Knowledge Management Project	16cp	
STM90653	Master's option without project	16cp	

Information Management stream, Spring commencing, part time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp
CBK90517	Electives	8cp

Year 2

Autumn semester

57148	Discovering and Accessing Information	8cp
57084	Information Architecture and Design	8cp

Spring semester

57146	Organising Information	8cp
57089	Information Research and Data Analysis	8cp

Year 3

Autumn semester

57087	Knowledge Management and the Organisation	8cp

Select one of the following:			4cp
57104	Information and Knowledge Management Project Part A	4cp	
57149	Information and Knowledge Management Major Paper	8cp	

Spring semester

Select one of the following:			12cp
57105	Information and Knowledge Management Project Part B	12cp	
CBK90562	Electives	8cp	

Knowledge Management stream, Autumn commencing, full time

Year 1

Autumn semester

57087	Knowledge Management and the Organisation	8cp
57100	People, Information and Knowledge	8cp
Select 8 credit points of electives		8cp

Spring semester

57103	Knowledge Management Strategies	8cp
57089	Information Research and Data Analysis	8cp

Select one of the following:			8cp
57146	Organising Information	8cp	
57147	Enterprise Content Management	8cp	

Year 2

Autumn semester

Select one of the following: 16cp

57009	Information and Knowledge Management Project	16cp
STM90654	Master's option without project	16cp

Select 8 credit points of electives 8cp

Knowledge Management stream, Autumn commencing, part time

Year 1

Autumn semester

57100	People, Information and Knowledge	8cp
57087	Knowledge Management and the Organisation	8cp

Spring semester

Select one of the following: 8cp

57146	Organising Information	8cp
57147	Enterprise Content Management	8cp

57103	Knowledge Management Strategies	8cp

Year 2

Autumn semester

Select 16 credit points of electives 16cp

Spring semester

Select one of the following: 4cp

57104	Information and Knowledge Management Project Part A	4cp
CBK90564	Electives	8cp

57089	Information Research and Data Analysis	8cp

Year 3

Autumn semester

Select one of the following: 12cp

57105	Information and Knowledge Management Project Part B	12cp
57149	Information and Knowledge Management Major Paper	8cp

Knowledge Management stream, Spring commencing, part time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp

Select one of the following: 8cp

57146	Organising Information	8cp
57147	Enterprise Content Management	8cp

Year 2

Autumn semester

57087	Knowledge Management and the Organisation	8cp

Select 8 credit points of electives 8cp

Spring semester

57103	Knowledge Management Strategies	8cp
57089	Information Research and Data Analysis	8cp

Year 3

Autumn semester

Select one of the following: 4cp

57104	Information and Knowledge Management Project Part A	4cp
57149	Information and Knowledge Management Major Paper	8cp

Select 8 credit points of electives 8cp

Spring semester

Select one of the following: 12cp

57105	Information and Knowledge Management Project Part B	12cp
CBK90564	Electives	8cp

Records Management stream, Autumn commencing, full time

Year 1

Autumn semester

57087	Knowledge Management and the Organisation	8cp
57181	Recordkeeping Fundamentals	8cp
57100	People, Information and Knowledge	8cp

Spring semester

57147	Enterprise Content Management	8cp
57089	Information Research and Data Analysis	8cp
57153	Digital Curation	8cp

Year 2

Autumn semester

Select one of the following: 16cp

57009	Information and Knowledge Management Project	16cp
STM90548	Master's option	16cp

Select 8 credit points of options 8cp

Records Management stream, Autumn commencing, part time

Year 1

Autumn semester

57181	Recordkeeping Fundamentals	8cp
57100	People, Information and Knowledge	8cp

Spring semester

57147	Enterprise Content Management	8cp
57153	Digital Curation	8cp

Year 2

Autumn semester

57087	Knowledge Management and the Organisation	8cp

Select 8 credit points of options 8cp

Spring semester

57089	Information Research and Data Analysis	8cp

Select one of the following: 4cp

57104	Information and Knowledge Management Project Part A	4cp
CBK90415	Elective	8cp

Year 3

Autumn semester

Select one of the following: 12cp

57105	Information and Knowledge Management Project Part B	12cp
57149	Information and Knowledge Management Major Paper	8cp

Records Management stream, Spring commencing, full time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp
57147	Enterprise Content Management	8cp
57153	Digital Curation	8cp

Year 2

Autumn semester

57087	Knowledge Management and the Organisation	8cp
57181	Recordkeeping Fundamentals	8cp

Select 8 credit points of options 8cp

Spring semester

57089	Information Research and Data Analysis	8cp

Select one of the following: 16cp

57009	Information and Knowledge Management Project	16cp
STM90548	Master's option	16cp

Records Management stream, Spring commencing, part time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp
57147	Enterprise Content Management	8cp

Year 2

Autumn semester

57087	Knowledge Management and the Organisation	8cp
57181	Recordkeeping Fundamentals	8cp

Spring semester

57089	Information Research and Data Analysis	8cp
57153	Digital Curation	8cp

Year 3

Autumn semester

Select one of the following: 4cp

57104	Information and Knowledge Management Project Part A	4cp
CBK90415	Elective	8cp

Select 8 credit points of options 8cp

Spring semester

Select one of the following: 12cp

57105	Information and Knowledge Management Project Part B	12cp
57149	Information and Knowledge Management Major Paper	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in Information Management (C07107) (see page 468), the Graduate Diploma in Knowledge Management (C07105) (not offered in 2013) and the Master of Arts in Information and Knowledge Management.

Professional recognition

Graduates are eligible for professional membership of the Australian Library and Information Association (ALIA).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04207v2 Master of Engineering Studies Master of Engineering Management

CRICOS code: 047834C
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Note(s)

This course is only offered to international students.

Overview

This program allows students to complete the Master of Engineering Studies (MEStud) and the Master of Engineering Management (MEM) in two years of full-time study.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

No work experience is required.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Once students have completed the Master of Engineering Management they need to submit an application for credit recognition for two subjects from the Master of Engineering Studies. Students can, therefore, complete the combined program by completing only 84 credit points (14 subjects). The faculty does not grant credit recognition based on work experience.

Course duration and attendance

The course can be completed in two years of full-time study, comprising one year for the Master of Engineering Studies and one year for the Master of Engineering Management. The course is also available part time.

Attendance in subjects is available in weekly, block and/or distance modes.

Course structure

To complete the Master of Engineering Studies (MEStud), students must complete eight postgraduate subjects (48 credit points) offered by UTS: Engineering.

To complete the Master of Engineering Management (MEM), students must complete six core subjects (36 credit points) and two elective subjects (12 credit points) as specified under that course, however, two MEM subjects may be exempted based on subjects undertaken in the MEStud. Elective subjects are chosen from postgraduate subjects offered within UTS: Engineering.

Course completion requirements

STM90547	MEM stream	48cp
CBK90330	Major choice	48cp
		Total 96cp

Course program

The typical course program comprises the following:

- Year 1: MEStud component (as per C04097) (see page 367)
- Year 2: MEM component (as per C04094) (see page 366).

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04218v5 Master of Information Technology (Extended)

Award(s): Master of Information Technology (MInfTech)
UAC code: 940600 (Autumn semester, Spring semester)
CRICOS code: 053204E
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

This course is designed to enable students to achieve a comprehensive and greater understanding of information technology in specialised technical or management areas. The wide range of specialisations allows students to tailor the course to satisfy their career development needs. The extended master's allows students to study in greater depth in their chosen field.

It is essential to keep IT knowledge and skills up-to-date. This course provides students with an enhanced understanding of the business context and technical developments shaping contemporary information and communications technology (ICT) and equips them to meet the challenges of working in the IT industry.

Course aims

The course provides students with an understanding of the advanced concepts of information technology in a commercial environment so they can contribute to the development of IT solutions in their organisation.

Career options

Career options include a wide variety of positions in the IT industry, including business intelligence expert, e-business developer, games developer, information systems manager, IT project manager, movie animator, software architect, software quality / testing specialist, and systems analyst.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course an equivalent degree can be from any discipline (as applicants for this program may apply as a non-IT graduate or an IT graduate).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Applicants with a recognised bachelor's degree in computing or information technology (or equivalent) may apply for credit recognition equivalent to the 24-credit-point Graduate Certificate in Information Technology (C11142) (see page 499).

Course duration and attendance

The course duration is two years of full-time or four years of part-time study.

Course structure

The course comprises 96 credit points, made up of eight core subjects and 42-48 credit points of electives selected from a defined list. The number of electives depends on whether students choose a 6-credit-point or 12-credit-point research project.

Students articulating from pre-2008 version(s) of the Graduate Certificate or Graduate Diploma in Information Technology are typically eligible for advanced standing of 24 credit points equivalent to the subjects in STM90695 (requiring 72 credit points to complete the course).

Course completion requirements

Select one of the following:			24cp
STM90695	Core subjects	24cp	
CBK90802	Choice	24cp	
32144	Technology Research Preparation		6cp
32541	Project Management		6cp
32563	IT Professional and Society		6cp
CBK90844	Research choice		12cp
CBK90846	Choice		42cp
			Total 96cp

Course program

The following examples show typical full-time programs for IT graduates, with and without credit recognition, and for non-IT graduates.

Note: Electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

IT graduates with credit recognition

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
32541	Project Management	6cp
Select 12 credit points of electives		12cp

Spring semester

32563	IT Professional and Society	6cp
Select 18 credit points of electives		18cp

Year 2

Autumn semester

CBK90844	Research choice	12cp
Select 12 credit points of electives		12cp

IT graduates without credit recognition

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
32541	Project Management	6cp
Select 12 credit points of electives		12cp

Spring semester

32563	IT Professional and Society	6cp
Select 18 credit points of electives		18cp

Year 2

Autumn semester

Select 24 credit points of electives		24cp

Spring semester

CBK90844	Research choice	12cp
Select 12 credit points of electives		12cp

Non-IT graduates

Year 1

Autumn semester

32555	Fundamentals of Software Development	6cp
32524	LANS and Routing	6cp
32606	Database	6cp
32144	Technology Research Preparation	6cp

Spring semester

32557	Enabling Enterprise Information Systems	6cp
32563	IT Professional and Society	6cp
32541	Project Management	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

Select 24 credit points of electives		24cp

Spring semester

CBK90844	Research choice	12cp
Select 12 credit points of electives		12cp

Articulation with UTS courses

This course is part of an articulated program of study comprising the Graduate Certificate in Information Technology (C11142) (see page 499), the Graduate Diploma in Information Technology (C06058) (see page 443), the Master of Information Technology (C04157) (see page 384) and the Master of Information Technology (Extended).

Professional recognition

Graduates qualify for professional-level membership of the Australian Computer Society.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04224v2 Master of Science in Internetworking (Extended)

Award(s): Master of Science in Internetworking (MSc)
UAC code: 940608 (Autumn semester, Spring semester)
CRICOS code: 055279C
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

This course is intended for computing science, information technology or engineering graduates, with or without networking experience, who wish to learn or extend their knowledge of networking and networking technologies. As students come from a variety of backgrounds, there is a degree of subject choice in the program to meet individual needs.

The internetworking program provides students with a practical, hands-on learning experience using resources provided by Cisco Systems for internetworking including routing, switching, security, wireless and VoIP. Advanced electives in internetworking are available. The program covers all aspects of the organisational use of networks: design, implementation, security, management, end systems and applications.

This course allows students to develop multiple skills across the internetworking field, according to interest and elective choices, for example, switching and routing, systems and network management and analysis, network security, mobility and web services development.

The course allows students wishing to prepare for CCNP to complete these subjects over 18 months, rather than 12 months, meeting the prerequisite requirements more effectively. Additionally, it provides research-oriented students with the opportunity to complete a larger thesis.

With the extended program, students can pursue interests in project management and software engineering. Relevant electives in business studies and law are also options for those students who wish to multi-skill across disciplines.

Course aims

This program aims to:

- meet the needs of industry for networking specialists
- target a number of industry-based certifications: CCNA (Cisco Certified Network Associate), CCNP (Cisco Certified Network Professional), Cisco Wireless LAN Support Specialist, and Cisco Certified Security Professional
- retrain IT professionals wishing to move into networking and internetworking
- provide a thorough and practical grounding in networking, network design, network administration and network management
- provide a solid foundation for the writing of networked applications using Unix, Java and WWW technologies, and
- meet students' needs by allowing specialisation through project work and subject choice.

Career options

Career options include applications developer, client server architect, data communications, network administrator, network architect, network designer, network integrator, network systems programmer, programmer analyst, security architect and system support analyst.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications are preferred in computing science, information technology, computer engineering, telecommunications, or a related discipline.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Two years' experience in networking or in another position in the IT industry is desirable. Applicants without work experience are also considered.

Credit recognition

Exemptions are granted only for subjects at the graduate certificate level. There are no exemptions granted for the networking subjects 32524 and 32521 without the successful completion of the challenge test for each of the above. A challenge test is required even for holders of a CCNA or CCNP certification and those who have passed the CCNA curriculum in TAFE Certificate IV and/or Diploma. These challenge tests are always held in the week prior to the commencement of classes.

Course duration and attendance

The course duration is two years of full-time or four years of part-time study.

Course structure

The course totals 96 credit points of study, including 48 credit points for completion of the graduate diploma, plus a further 48 credit points of options, comprising either optional research methodologies and project subjects or elective coursework subjects. Within the course there is the option of choosing 24 credit points of subjects from outside the internetworking program, provided they are approved by the course coordinator.

Where applicable, project topics should be relevant to students' professional career goals and should be an area of current research interest in their area of study.

Course completion requirements

CBK90476	Internetworking choice	6cp
CBK90477	Internetworking choice	24cp
CBK90225	Core subjects choice	42cp
STM90729	Core subjects	24cp
		Total 96cp

Course program

A typical full-time program for students commencing in Autumn semester is shown below.

Students can enrol in 32521 WANs and VLANs as either a core subject or an elective. However, as this subject has a prerequisite of 32524 LANS and Routing it cannot be taken during the first semester of study. Full-time students are advised to enrol in 32144 Technology Research Preparation in their first semester.

Note: Subjects listed as options may not be offered if there is insufficient demand or a lack of necessary resources.

Year 1

Autumn semester

32118	Mobile Communications and Computing	6cp
32524	LANS and Routing	6cp
32547	UNIX Systems Programming	6cp
32144	Technology Research Preparation	6cp

Spring semester

CBK90476	Internetworking choice	6cp
Select 18 credit points of options		18cp

Year 2

Autumn semester

Select 24 credit points of options	24cp

Spring semester

Select 24 credit points of electives	24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Internetworking (C11145) (see page 500), the Graduate Diploma in Internetworking (C07080) (see page 467), the Master of Science in Internetworking (C04160) (see page 386) and the Master of Science in Internetworking (Extended).

Professional recognition

Students can prepare for Cisco CCNA and CCNP industry certification.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04226v4 Master of Business in Operations and Supply Chain Management

Award(s): Master of Business in Operations and Supply Chain Management (MBus)
CRICOS code: 055273J
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

New technology, particularly in the area of information, new management approaches and the pressure of global competition, has placed a premium on those who have a broad understanding of how to plan and manage complex business processes. The Master of Business in Operations and Supply Chain Management is designed for those who wish to gain significant insight and skills in these areas.

The course is designed to cater for the needs of those employed in all sectors of business.

Course aims

The course provides professionals with advanced value chain management skills and the knowledge to enhance their understanding of the nature and contribution of the operations management, supply chain management and procurement functions at a professional level.

Career options

Career options include positions in operations management, service operations management, supply chain management and strategic procurement.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

The course totals 72 credit points and consists of a combination of core and elective subjects.

Course completion requirements

Select 72 credit points from the following options:			72cp
STM90754	Standard option (Operations Supply Chain Management)	72cp	
STM90753	Procurement option (Operations Supply Chain Management)	72cp	
		Total	72cp

Course program

The course program is shown below.

21741	Managing Operations		6cp
21743	Business Excellence		6cp
Select one of the following:			6cp
21779	Management Skills	6cp	
21877	Strategic Procurement	6cp	
21797	Strategic Supply Chain Management		6cp
21844	Managing Work and People		6cp
Select 42 credit points from the following options:			42cp
22782	Business Process Integration with ERP	6cp	
21827	Change Management	6cp	
21811	Global Strategic Management	6cp	
77942	Legal Aspects of Contracts Administration	6cp	
35340	Quantitative Management Practice	6cp	
21854	Innovation and Entrepreneurship	6cp	
15315	Project Management Principles	6cp	
21832	Managing for Sustainability	6cp	
21745	Service Operations Management	6cp	
CBK90387	Electives (Law/Business)	6cp	
21779	Management Skills	6cp	
21877	Strategic Procurement	6cp	
21815	Management Project	6cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Operations and Supply Chain Management (C11199) (see page 505), the Graduate Diploma in Operations and Supply Chain Management (C07112) (see page 469) and the Master of Business in Operations and Supply Chain Management.

Professional recognition

The Procurement stream in this course has been accredited to MCIPS standard with the Chartered Institute of Purchasing and Supply. Following completion of the course with the Procurement stream and three years' relevant work experience, graduates are eligible to apply for MCIPS. More information is available at:

www.cipsa.com.au

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C04227v3 Master of Business in Human Resource Management

Award(s): Master of Business in Human Resource Management (MBus)
CRICOS code: 055274G
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Business in Human Resource Management provides students with the in-depth knowledge and skills necessary to contribute at a senior level to their organisation's human resources and industrial relations functions.

The course is designed primarily for individuals who are currently employed, or show the potential for employment, at senior policy-making levels in the fields of human resource management, industrial relations, occupational health and affirmative action.

Course aims

The course aims to provide leading-edge conceptual and practical understandings of human resource management in complex and unfamiliar workplace situations in order to facilitate management decision-making.

Career options

Career options include positions in change management and general management, human resources, and organisational training and development.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

The course totals 72 credit points and consists of a combination of core and elective subjects.

Course completion requirements

CBK90386	Electives (HRM)	18cp
STM90525	Core subjects (HRM)	54cp
		Total 72cp

Course program

The course program is shown below.

Students who wish to focus on industrial relations/industrial law may substitute the business elective with an elective from the Faculty of Law, subject to approval by the course coordinator.

21702	Industrial Relations	6cp
21720	Human Resource Management	6cp
21724	Strategic Human Resource Management	6cp
21760	Performance and Talent Management	6cp
21779	Management Skills	6cp
21827	Change Management	6cp
21800	Management and Organisations	6cp
21833	International Human Resources Management	6cp
21844	Managing Work and People	6cp

Select 18 credit points from the following options: 18cp

21741	Managing Operations	6cp
21811	Global Strategic Management	6cp
21832	Managing for Sustainability	6cp
21854	Innovation and Entrepreneurship	6cp
21856	Career and Portfolio Development	6cp
77942	Legal Aspects of Contracts Administration	6cp
CBK90387	Electives (Law/Business)	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Human Resource Management (C11198) (see page 504), the Graduate Diploma in Human Resource Management (C07113) (see page 470) and the Master of Business in Human Resource Management.

Professional recognition

Students completing this degree are eligible to apply to the Australian Human Resources Institute (AHRI) for the Professional Member (MAHRI) status and/or advancement to a higher level of membership for those who have appropriate work experience.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C04228v1 Master of Nursing

Award(s): Master of Nursing (in name of major) (MN)
UAC code: 940826 (Education) (Autumn semester, Spring semester), 940828 (Advanced Nursing Practice) (Autumn semester, Spring semester), 940829 (Health Research) (Autumn semester, Spring semester)
CRICOS code: 055628J
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: Kuring-gai campus

Note(s)

This course also has a mid-year intake.

The Nurse Practitioner major (MAJ06214) is not offered in 2014 for new admissions.

Overview

This course is designed to provide registered nurses with the specialist skills and knowledge required for advanced practice. Students undertake one of four majors and a sub-major chosen from a wide range of specialty areas.

Students can customise their program to meet personal learning needs or workplace requirements. Majors and sub-majors can be combined in a variety of ways to achieve either generalist or highly specialised skills in addition to leadership expertise.

Students choose one of the following majors: Advanced Nursing Practice, Nurse Practitioner, Health Research (domestic students only), Education, Management.

Students complete a sub-major from the following specialty areas: acute care nursing, anaesthetics and recovery room nursing, child and family health nursing, children's nursing, clinical management,

clinical teaching, critical care nursing, diabetes education and management, mental health nursing, neonatal nursing, neuroscience nursing, and perioperative nursing.

Elective subjects planned within the course give students the opportunity to explore areas of interest in addition to their selected major.

Course aims

This course aims to:

- develop students' careers as advanced clinicians, managers, educators or nurse practitioners
- extend and enhance existing skills
- build confidence and leadership skills
- provide academic experience and qualification.

Career options

Career options include advanced practice (e.g. clinical nurse specialist or consultant), nursing management, nursing education or nurse practitioner positions in both clinical and community health settings.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

International applicants must be a registered nurse in their own country or place of residence and hold a current Authority to Practise.

Local applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

Applicants to the Master of Nursing in Health Research must have completed four subjects (24 credit points) at the postgraduate level (excluding the core subjects in the Health Research major).

Applicants to the Nurse Practitioner major need to demonstrate the following additional requirements:

- current registration as a nurse in Australia
- length and depth of experience: a minimum of five years, full-time equivalent (FTE) experience as a registered nurse, including three years FTE as a registered nurse in a specialty area and one year FTE at an advanced practice level in the relevant specialty area of practice
- requisite education or equivalent in a specialty field as entry to the Nurse Practitioner program: Bachelor of Nursing or equivalent and a postgraduate qualification in a specialty field that has prepared the student for advanced practice (either as a prerequisite or integrated into the master's degree)
- required professional activity: active involvement in professional organisations and contribution to the ongoing development of the profession
- confirmed support for the applicant to complete all professional experience requirements of the course.

For further information on additional requirements, contact the course coordinator.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis.

Course structure

Students must complete a total of 72 credit points (12 subjects) comprising one major, which also includes a choice of one sub-major.

Course completion requirements

Select one of the following:			72cp
STM90595	Domestic students	72cp	
STM90596	International students	72cp	
			Total 72cp

Course program

Examples course programs are shown below. In the Advanced Nursing Practice major and the Nurse Practitioner major, the Critical Care Nursing sub-major has been selected as an example.

Education major and Clinical Teaching sub-major, PT

Year 1

Autumn semester

Select one of the following:			6cp
92713	Health Breakdown	6cp	
CBK90056	Nursing subjects (PG)	6cp	
92848	Facilitation of Clinical Learning		6cp

Spring semester

92607	Education for Practice Development		6cp
92869	Specialty Clinical Practice		6cp

Year 2

Autumn semester

92606	Issues in Australian Health Services		6cp
92790	Evidence-based Practice		6cp

Spring semester

Select 12 credit points from the following options:			12cp
CBK90510	Electives	18cp	

Year 3

Autumn semester

92721	Health Promotion and Health Education		6cp
Select 6 credit points from the following options:			6cp
CBK90510	Electives	18cp	

Spring semester

92612	Research in Health		6cp
CBK90148	Education subjects (PG)		6cp

Education major and Clinical Teaching sub-major, FT

Year 1

Autumn semester

Select one of the following:			6cp
92713	Health Breakdown	6cp	
CBK90056	Nursing subjects (PG)	6cp	
92848	Facilitation of Clinical Learning		6cp
92790	Evidence-based Practice		6cp
92606	Issues in Australian Health Services		6cp

Spring semester

92607	Education for Practice Development		6cp
92612	Research in Health		6cp
92869	Specialty Clinical Practice		6cp
Select 6 credit points from the following options:			6cp
CBK90510	Electives	18cp	

Year 2

Autumn semester

92721	Health Promotion and Health Education		6cp
CBK90148	Education subjects (PG)		6cp
Select 12 credit points from the following options:			12cp
CBK90510	Electives	18cp	

Management major and Clinical Management sub-major, FT

Year 1

Autumn semester

92932	Management for Clinicians	6cp
92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp
92297	Health Systems and Change	6cp

Spring semester

92887	Organisational Management in Health Care	6cp
92612	Research in Health	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp

Select 6 credit points from the following options: 6cp
CBK90510 Electives 18cp

Year 2

Autumn semester

92847	Planning and Evaluating Health Services	6cp
92917	Using Health Care Data for Decision Making	6cp

Select 12 credit points from the following options: 12cp
CBK90510 Electives 18cp

Advanced Nursing Practice major and Critical Care sub-major, PT

Year 1

Autumn semester

92713	Health Breakdown	6cp
92918	Fundamentals of Critical Care Nursing	6cp

Spring semester

92919	Complex Critical Care	6cp
92869	Specialty Clinical Practice	6cp

Year 2

Autumn semester

92606	Issues in Australian Health Services	6cp
92790	Evidence-based Practice	6cp

Spring semester

92609	Pharmacological Therapies in Advanced Practice	6cp

Select 6 credit points from the following options: 6cp
CBK90857 Electives 12cp

Year 3

Autumn semester

92608	Advanced Assessment and Diagnosis	6cp

Select 6 credit points from the following options: 6cp
CBK90857 Electives 12cp

Spring semester

92612	Research in Health	6cp
92894	Advanced Clinical Practice	6cp

Articulation with UTS courses

While the Master of Nursing is offered as a stand-alone qualification, it is also part of an articulated program of study comprising many of the graduate certificates offered by UTS: Health, and the Graduate Diploma in Nursing (C07044) (see page 461).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Louise Hickman

Course coordinator

email Louise.Hickman@uts.edu.au

For queries about the Nurse Practitioner major contact:

Irene Kopp

Course coordinator, Nurse Practitioner major

email Irene.Kopp@uts.edu.au

www.health.uts.edu.au

C04229v3 Master of Business in Management

Award(s): Master of Business in Management (MBus)
CRICOS code: 055272K
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Business in Management provides knowledge, skills and conceptual frameworks to enable students to identify and resolve complex issues that will characterise the working environments of senior managers in the future. Students acquire the conceptual and analytical skills necessary for successful management performance in a range of contexts, including the business, public and non-profit sectors, and a variety of professional settings.

The course provides students with knowledge and experiences to enhance their professional skills and understanding of the management of people, resources and organisational processes. An innovative, flexible structure provides students with maximum choice in selecting subjects and programs of study tailored to meet their personal and professional needs.

Course aims

The Master of Business in Management is designed to meet the needs of individuals, client organisations and professional bodies for management education.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Course structure

The course totals 72 credit points and consists of a combination of core and elective subjects.

Course completion requirements

CBK90382	Electives choice	18cp
STM90646	Core subjects (Management)	54cp
		Total 72cp

Course program

The course program is shown below.

21717	International Management	6cp
21779	Management Skills	6cp
21844	Managing Work and People	6cp
21827	Change Management	6cp
21720	Human Resource Management	6cp
21741	Managing Operations	6cp
21800	Management and Organisations	6cp
21832	Managing for Sustainability	6cp
21811	Global Strategic Management	6cp

Select 18 credit points from the following options: 18cp

21854	Innovation and Entrepreneurship	6cp
21722	Leadership, Coaching and Mentoring	6cp
21008	Management Consulting	6cp
21012	Governance and Sustainability	6cp
77942	Legal Aspects of Contracts Administration	6cp
CBK90387	Electives (Law/Business)	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Management (C11021) (see page 478), the Graduate Diploma in Management (C07018) (see page 456) and the Master of Business in Management.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C04231v2 Master of Arts

Award(s): Master of Arts in (name of Education major) (MA)
UAC code: 940208 (No specified major CSP) (Autumn semester), 940209 (No specified major PDFP) (Autumn semester, Spring semester), 940212 (No specified major distance CSP) (Autumn semester), 940213 (No specified major distance PDFP) (Autumn semester, Spring semester), 940232 (Applied Linguistics CSP) (Autumn semester), 940233 (Applied Linguistics PDFP) (Autumn semester, Spring semester), 940234 (Applied Linguistics distance CSP) (Autumn semester), 940235 (Applied Linguistics distance PDFP) (Autumn semester, Spring semester)
CRICOS code: 057879G
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

UTS is a leading provider of language and literacy education and e-learning courses, with academics who are published authors and internationally recognised experts in these fields. This course may be completed as a general Master of Arts degree or as a Master of Arts with a major in e-learning or applied linguistics.

The Master of Arts in e-Learning provides students with the capacity to enhance learning in their diverse workplaces through new technologies, and to discover the possibilities for innovative learning. Students study e-learning models, theories, technologies and design, with electives available in the areas of digital media, graphics, imagery and information.

The Master of Arts in Applied Linguistics is designed to enable language educators and other professionals to gain a firm theoretical grounding in applied linguistics and explore its relevance to their professional practice. The course integrates theory and practice and is an internationally recognised qualification.

The Master of Arts (no specified major) contains a core of two subjects and allows students to choose a further six subjects in an area of their choice. Students may, for example, choose to specialise in the area of training and human resource development. Students wishing to study offshore (e.g. Hong Kong) should apply for the offshore equivalent course, the Master of Arts in Training and Human Resource Development (C04249) (see page 424).

Course aims

The Master of Arts in e-Learning aims to assist students to develop an understanding of the structures, functions and dynamics of a variety of e-learning systems, both locally and internationally, and become familiar, as learners, designers and teachers, with a range of e-learning environments in different disciplines, designed for different educational purposes and with different underlying values.

The Master of Arts in Applied Linguistics aims to provide a rigorous theoretical grounding in applied linguistics relevant to the needs of language educators and other professional groups; develop students' understanding of the linguistic dimensions of cultural diversity, globalisation and social change; and develop skills in the application of linguistic theory to a range of professional practice.

The Master of Arts (no specified major) aims to provide students with opportunities to relate new knowledge and skills to their own practice. The core subjects and electives are designed to promote the notion of the reflective practitioner, i.e. educate participants to critically examine and learn from their own professional experience and that of others.

Career options

Career options are dependent on the major chosen.

Master of Arts in e-Learning: graduates work in e-learning roles in community education, corporate, community and education settings, human resource development, knowledge management, learning and development and primary, secondary or tertiary education.

Master of Arts in Applied Linguistics: graduates work in educational consultancy, management and leadership, research and teaching roles in the fields of TESOL, adult basic education or linguistics.

Master of Arts (no specified major): graduates work in a wide variety of areas, providing leadership in work-based learning in a variety of national and international contexts.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local applicants apply through the Universities Admissions Centre.

International students

International students apply through UTS International.

Course duration and attendance

The course can be completed in one year of full-time or two years of part-time study, depending on subject choice. Subjects are offered in weekly, block or distance mode.

Attendance is dependent on students' chosen major and electives. The e-Learning major requires attendance at City campus. The Applied Linguistics major and the general Master of Arts are offered in a choice of distance or face-to-face mode. Not all electives within this course are offered by distance. Students may only complete this course by distance if they select electives which are offered by distance.

This course is available for mid-year entry for full-fee-paying students in the following areas:

- Master of Arts
- Master of Arts in Applied Linguistics
- Master of Arts in Applied Linguistics (distance).

Course structure

Students must complete a total of 48 credit points. Students completing the e-learning or applied linguistics major are required to complete specified core subjects and additional electives. Students not completing a major are required to complete two core subjects and six electives.

Course completion requirements

CBK90545	Major choice	48cp
		Total 48cp

Course program

Course programs are given below for each major for both full-time and part-time students. Electives must be chosen from the list presented immediately following the course programs. Not all electives run every year.

Applied Linguistics major, full time

Year 1

Autumn semester

013107	Phonology and Pronunciation	6cp
013087	Discourse Analysis	6cp
013952	Research Perspectives	6cp
013095	Global Englishes	6cp

Spring semester

013096	Grammar and the Construction of Meaning	6cp
Select 18 credit points of electives		18cp

Applied Linguistics major, part time

Year 1

Autumn semester

013087	Discourse Analysis	6cp
013952	Research Perspectives	6cp

Spring semester

013096	Grammar and the Construction of Meaning	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

013095	Global Englishes	6cp
013107	Phonology and Pronunciation	6cp

Spring semester

Select 12 credit points of electives		12cp

Electives list, Applied Linguistics major

013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013117	Theory and Practice of Literacy	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013132	Technology Enhanced Language Learning	6cp
013141	Language Programming and Assessment	6cp
013159	Independent Study Project 2	6cp
013951	Learning and Change	6cp
013983	Academic Literacies in TESOL and Applied Linguistics	6cp

e-Learning major, full time

Year 1

Autumn semester

013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013952	Research Perspectives	6cp
Select 6 credit points of electives		6cp

Spring semester

013093	e-Learning Technologies	6cp
013090	e-Learning Design	6cp
013951	Learning and Change	6cp
Select 6 credit points of electives		6cp

e-Learning major, part time

Year 1

Autumn semester

013091	e-Learning Experiences 1	6cp
013952	Research Perspectives	6cp

Spring semester

013951	Learning and Change	6cp
013093	e-Learning Technologies	6cp

Year 2

Autumn semester

013092	e-Learning Experiences 2	6cp
Select 6 credit points of electives		6cp

Spring semester

013090	e-Learning Design	6cp
Select 6 credit points of electives		6cp

Electives list, e-Learning major

013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013159	Independent Study Project 2	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
57999	Digital and Multiplatform Storytelling	6cp

No specified major, full time

Year 1

Autumn semester

013952	Research Perspectives	6cp
Select 18 credit points of electives		18cp

Spring semester

013951	Learning and Change	6cp
Select 18 credit points of electives		18cp

No specified major, part time

Year 1

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points of electives		6cp

Spring semester

013951	Learning and Change	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

Select 12 credit points of electives	12cp

Spring semester

Select 12 credit points of electives	12cp

Electives list, no specified major

013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C04232v3 Master of Education

Award(s): Master of Education in (name of Education major) (MEd)
UAC code: 940200 (No specified CSP) (Autumn semester), 940201 (No specified PDFP) (Autumn semester, Spring semester), 940202 (No specified distance CSP) (Autumn semester), 940203 (No specified distance PDFP) (Autumn semester, Spring semester), 940204 (Adult Education CSP) (Autumn semester), 940205 (Adult Education PDFP) (Autumn semester, Spring semester), 940210 (Organisational and Workplace Learning CSP) (Autumn semester), 940211 (Organisational and Workplace Learning PDFP) (Autumn semester, Spring semester), 940214 (Popular Education and Social Change CSP) (Autumn semester), 940215 (Popular Education and Social Change PDFP) (Autumn semester, Spring semester)
CRICOS code: 057878G
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

UTS is a leading university provider of adult, teacher and general education courses in Australia with many academics recognised as leaders in this field. This course is designed to meet the specific educational needs of those wanting to be at the forefront of learning and development in educational, vocational, organisational or community settings.

The Adult Education major introduces students to an in-depth study of adult learning practice and traditions, approaches to program planning, adult development psychology, and education policy contexts.

The Indigenous Studies major is for students wanting to be at the forefront of learning and change in Indigenous education and development.

Students who select the no specified major choose a variety of subjects to form a program of study that suits their professional development needs. Given the faculty's strengths in adult and school education, students are provided with distinct opportunities to study learning and education across many educational sectors.

The Organisational and Workplace Learning major is ideally suited for people working in learning and development units, human resource management, vocational and workplace policy, organisational learning areas and those who are responsible for leading and facilitating formal and informal learning in the workplace.

The Popular Education and Social Change major is designed to meet the specific educational needs of those wanting to be at the forefront of learning in areas of social change and social movements of various kinds. It is ideally suited for people who are working with others in campaigning, organising, advocacy and activism.

Students across all majors, select electives from a wide variety of areas including educational leadership, policy, e-learning, human resource development, curriculum, communication management, assessment, program development, and many others.

Course aims

The course aims to develop a wide range of expertise, depending on the major selected. The expertise, knowledge and skills covered in this degree are:

- expertise in understanding, planning and managing learning
- locating one's practice in historical and contemporary contexts
- new and more advanced knowledge in designing, implementing and evaluating educational programs
- examining contemporary ideas and practices in social movements, new media and story making and social change, and
- examining contemporary ideas and practices in professional and organisational learning and changes in work.

Career options

Career options vary depending on the major selected, but include a diverse range of educational, policymaking, campaign organising and leadership roles such as community and health education, e-learning, higher education, human resource development, indigenous development, membership-based organisations, non-government, organisational learning and development, religious education, social movement and vocational education and training.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Students majoring in Indigenous Studies apply by direct application.

Local students

Local applicants apply through the Universities Admissions Centre.

International students

International students apply through UTS International. International applicants should check the course program to determine which majors are offered in full-time mode.

Course duration and attendance

The course can be completed in one year of full-time or two years of part-time study, depending on subject choices.

The mode of delivery of electives may vary, with subjects offered in weekly, block or distance mode. Students are able to take a combination of modes. Students taking the Indigenous Studies major are able to complete their core subjects by block mode.

Note: not all electives within this course are offered by distance and/or block. Students may only complete this course by distance/block if they select electives which are offered in those modes.

Course structure

Students must complete a total of 48 credit points.

Students completing the course with a specified major are required to complete six core subjects and two electives.

Students completing the course without a specified major are required to complete two core subjects and six electives.

Course completion requirements

CBK90557	Major choice	48cp
		Total 48cp

Course program

Course programs are given below for each major for both full-time and part-time students, for both Autumn and Spring commencement. Not all electives run every year.

Adult Education major, Autumn commencing full time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp
013120	The Psychology of Adult Development	6cp
013952	Research Perspectives	6cp
Select 6 credit points from the following options:		6cp
CBK90709	Electives major (AdEd)	12cp

Spring semester

013168	Adult Education: Past, Present, Future	6cp
013142	Adult Learning and Program Development	6cp
013166	Education in Policy Contexts	6cp
Select 6 credit points from the following options:		6cp
CBK90709	Electives major (AdEd)	12cp

Adult Education major, Autumn commencing part time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp
013120	The Psychology of Adult Development	6cp

Spring semester

013142	Adult Learning and Program Development	6cp
013168	Adult Education: Past, Present, Future	6cp

Year 2

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points of electives		6cp

Spring semester

013166	Education in Policy Contexts	6cp
Select 6 credit points of electives		6cp

Adult Education major, Spring commencing full time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp
013166	Education in Policy Contexts	6cp
013168	Adult Education: Past, Present, Future	6cp
Select 6 credit points from the following options:		6cp
CBK90709	Electives major (AdEd)	12cp

Year 2

Autumn semester

013122	Understanding Adult Education and Training	6cp
013120	The Psychology of Adult Development	6cp
013952	Research Perspectives	6cp
Select 6 credit points of options		6cp

Adult Education major, Spring commencing part time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp
013166	Education in Policy Contexts	6cp

Year 2

Autumn semester

013120	The Psychology of Adult Development	6cp
013122	Understanding Adult Education and Training	6cp

Spring semester

013168	Adult Education: Past, Present, Future	6cp
Select 6 credit points of electives		6cp

Year 3

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points from the following options:		6cp
CBK90709	Electives major (AdEd)	12cp

Indigenous Studies major, Autumn commencing full time

Year 1

Autumn semester

013952	Research Perspectives	6cp
013130	Education for Social Change 1	6cp
010040	Program Development and Evaluation in Indigenous Education and Development	6cp
Select 6 credit points from the following options:		6cp
CBK90590	Options	12cp

Spring semester

013951	Learning and Change	6cp
013131	Education for Social Change 2	6cp
010041	Research, Ethics and Indigenous Cultural Heritage	6cp
Select 6 credit points from the following options:		6cp
CBK90590	Options	12cp

Indigenous Studies major, Autumn commencing part time

Year 1

Autumn semester

013952	Research Perspectives	6cp
013130	Education for Social Change 1	6cp

Spring semester

013131	Education for Social Change 2	6cp
013951	Learning and Change	6cp

Year 2

Autumn semester

010040	Program Development and Evaluation in Indigenous Education and Development	6cp

Select 6 credit points from the following options: 6cp

CBK90590	Options	12cp

Spring semester

010041	Research, Ethics and Indigenous Cultural Heritage	6cp

Select 6 credit points from the following options: 6cp

CBK90590	Options	12cp

Indigenous Studies major, Spring commencing part time

Year 1

Spring semester

010041	Research, Ethics and Indigenous Cultural Heritage	6cp
013951	Learning and Change	6cp

Year 2

Autumn semester

013130	Education for Social Change 1	6cp
013952	Research Perspectives	6cp

Spring semester

013131	Education for Social Change 2	6cp

Select 6 credit points from the following options: 6cp

CBK90590	Options	12cp

Year 3

Autumn semester

010040	Program Development and Evaluation in Indigenous Education and Development	6cp

Select 6 credit points from the following options: 6cp

CBK90590	Options	12cp

Organisational and Workplace Learning major, Autumn commencing full time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp
013162	Organisational Learning	6cp
013952	Research Perspectives	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Spring semester

013142	Adult Learning and Program Development	6cp
013160	Professional Learning and Practice	6cp
013167	Contemporary Work and Learning	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Organisational and Workplace Learning major, Autumn commencing part time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Spring semester

013142	Adult Learning and Program Development	6cp
013167	Contemporary Work and Learning	6cp

Year 2

Autumn semester

013162	Organisational Learning	6cp
013952	Research Perspectives	6cp

Spring semester

013160	Professional Learning and Practice	6cp

Select 6 credit points of options 6cp

Organisational and Workplace Learning major, Spring commencing full time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp
013160	Professional Learning and Practice	6cp
013167	Contemporary Work and Learning	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Year 2

Autumn semester

013122	Understanding Adult Education and Training	6cp
013162	Organisational Learning	6cp
013952	Research Perspectives	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Organisational and Workplace Learning major, Spring commencing part time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp
013167	Contemporary Work and Learning	6cp

Year 2

Autumn semester

013122	Understanding Adult Education and Training	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Spring semester

013160	Professional Learning and Practice	6cp

Select 6 credit points from the following options: 6cp

CBK90708	Electives major (OrgWrkplLrn)	12cp

Year 3

Autumn semester

013162	Organisational Learning	6cp
013952	Research Perspectives	6cp

Popular Education and Social Change major, Autumn commencing full time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp
013952	Research Perspectives	6cp
013163	New Media and Social Change	6cp
013161	Popular Education and Social Movements	6cp

Spring semester

013142	Adult Learning and Program Development	6cp
013164	Narrative and Storymaking in Education and Change	6cp

Select 12 credit points from the following options: 12cp

CBK90707	Electives major (PopEdSocChange)	12cp

Popular Education and Social Change major, Autumn commencing part time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp
013952	Research Perspectives	6cp

Spring semester

013142	Adult Learning and Program Development	6cp
013164	Narrative and Storymaking in Education and Change	6cp

Year 2

Autumn semester

013163	New Media and Social Change	6cp
013161	Popular Education and Social Movements	6cp

Spring semester

Select 12 credit points from the following options:		12cp
CBK90707	Electives major (PopEdSocChange)	12cp

Popular Education and Social Change major, Spring commencing full time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp
013164	Narrative and Storymaking in Education and Change	6cp
Select 12 credit points from the following options:		12cp
CBK90707	Electives major (PopEdSocChange)	12cp

Year 2

Autumn semester

013163	New Media and Social Change	6cp
013161	Popular Education and Social Movements	6cp
013122	Understanding Adult Education and Training	6cp
013952	Research Perspectives	6cp

Popular Education and Social Change major, Spring commencing part time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp
013164	Narrative and Storymaking in Education and Change	6cp

Year 2

Autumn semester

013163	New Media and Social Change	6cp
013161	Popular Education and Social Movements	6cp

Spring semester

Select 12 credit points from the following options:		12cp
CBK90707	Electives major (PopEdSocChange)	12cp

Year 3

Autumn semester

013122	Understanding Adult Education and Training	6cp
013952	Research Perspectives	6cp

No specified major, Autumn commencing full time

Year 1

Autumn semester

013952	Research Perspectives	6cp
Select 18 credit points from the following options:		18cp
CBK90559	Options	36cp

Spring semester

013951	Learning and Change	6cp
Select 18 credit points of options		18cp

No specified major, Autumn commencing part time

Year 1

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points from the following options:		6cp
CBK90559	Options	36cp

Spring semester

013951	Learning and Change	6cp
Select 6 credit points from the following options:		6cp
CBK90559	Options	36cp

Year 2

Autumn semester

Select 12 credit points from the following options:		12cp
CBK90559	Options	36cp

Spring semester

Select 12 credit points from the following options:		12cp
CBK90559	Options	36cp

No specified major, Spring commencing full time

Year 1

Spring semester

013951	Learning and Change	6cp
Select 18 credit points from the following options:		18cp
CBK90559	Options	36cp

Year 2

Autumn semester

013952	Research Perspectives	6cp
Select 18 credit points from the following options:		18cp
CBK90559	Options	36cp

No specified major, Spring commencing part time

Year 1

Spring semester

013951	Learning and Change	6cp
Select 6 credit points from the following options:		6cp
CBK90559	Options	36cp

Year 2

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points from the following options:		6cp
CBK90559	Options	36cp

Spring semester

Select 12 credit points from the following options:		12cp
CBK90559	Options	36cp

Year 3

Autumn semester

Select 12 credit points from the following options:		12cp
CBK90559	Options	36cp

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C04235v2 Master of Architecture

Award(s): Master of Architecture (MArch)
UAC code: 940110 (PDFP) (Autumn semester, Spring semester), 940120 (CSP) (Autumn semester)
CRICOS code: 061397B
Commonwealth-supported place?: Yes
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

The Master of Architecture is a focused, professional degree and is required to become a practising architect. It is the second of two degrees, undertaken after the successful completion of the Bachelor of Design in Architecture (C10004) (see page 129) or equivalent.

This course is an innovative and flexible professional degree. Through a non-sequential structure, which allows students to select from a range of core and elective subjects, it gives students choice regarding their professional specialisation that can best serve them in their future careers. Architectural design subjects enhance a critical understanding of architecture as both a discipline with an existing body of knowledge and a set of practices that continuously challenge and add to that body of knowledge. Research is undertaken as a preliminary to design decision-making, during design and in reflection on design development. Architectural practice subjects prepare students for expanded practice in emerging media and markets, contemporary business practice and global economies and within challenging social, environmental, political and regulatory contexts. Students who complete a Master of Architecture and subsequent practical experience are eligible to become registered architects.

Course aims

The course aims to produce graduates who are able to:

- work collaboratively in local and international architectural practices of differing scale, structure and operation
- be strategic and enterprising practice leaders
- critically analyse, evaluate, question and engage in informed argument
- communicate ideas effectively
- extend knowledge and understanding through research skills and to transfer this creatively through the design process
- put forward accurate and persuasive architectural proposals, and
- apply ethical, environmental, cultural, aesthetic and technological considerations in architectural practice.

Career options

Career options include architect, designer or urban designer.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

From 2016, applicants with a UTS recognised bachelor's degree must have either: (i) completed it with a WAM of 65 or above, or (ii) completed it with a WAM below 64.99 and have submitted evidence of potential to pursue graduate studies. Applicants relying primarily on a UTS recognised bachelor's degree with a WAM below 60 will not be eligible for admission to the Master of Architecture.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Students applying from other institutions, or UTS Bachelor of Design in Architecture graduates not proceeding directly to this course, must apply through UAC. Students from other institutions must also submit a portfolio of their architectural projects from previous studies.

Course duration and attendance

The course is offered on a two-year, full-time or part-time equivalent basis.

Course structure

This course comprises 96 credit points, made up of 24 credit points of core architectural practice subjects, 48 credit points of architectural design subjects and 24 credit points of electives.

Course completion requirements

CBK90795	Electives	24cp
STM90794	Core subjects	72cp
		Total 96cp

Full time, Autumn commencing

Year 1

Autumn semester

11501	Architectural Practice: Advocacy	6cp
11551	Masters Architectural Design Studio 1	12cp
Select 6 credit points from the following options:		6cp
CBK90795	Electives	24cp

Spring semester

11502	Architectural Practice: Finance and Project Management	6cp
11552	Masters Architectural Design Studio 2	12cp
Select 6 credit points from the following options:		6cp
CBK90795	Electives	24cp

Year 2

Autumn semester

11503	Architectural Practice: The Profession	6cp
11553	Masters Architectural Design Studio 3	12cp
Select 6 credit points from the following options:		6cp
CBK90795	Electives	24cp

Spring semester

11504	Architectural Practice: The City	6cp
Select one of the following:		12cp
11554	Masters Architectural Design Studio 4	12cp
11555	Masters Architectural Design Thesis	12cp
Select 6 credit points from the following options:		6cp
CBK90795	Electives	24cp

Professional recognition

The Master of Architecture is a qualification accepted for candidates seeking to take the professional examination of the NSW Architects Registration Board and Royal Australian Institute of Architects (RAIA), as a prerequisite for registration under the provision of the Architects Act administered by the NSW Architects Registration Board, and to professional membership of the institute.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C04236v3 Juris Doctor

Award(s): Juris Doctor (JD)
UAC code: 940422 (FT) (Autumn semester, Spring semester, Summer session), 940423 (PT) (Autumn semester, Spring semester, Summer session)
CRICOS code: 060932C
Commonwealth-supported place?: No
Load credit points: 144
Course EFTSL: 3
Location: City campus

Overview

The Juris Doctor (JD) is a graduate law degree that builds on the established reputation of UTS: Law to provide high-calibre, graduate-level education in the theory and practice of the law. It is specifically designed for graduates of disciplines other than law. The Juris Doctor qualifies as an Australian Qualifications Framework level 9 master's degree. The flexible nature of the JD allows students to work while they study and to tailor their workload to suit professional and personal commitments.

The JD offers an alternative pathway to practise as a lawyer for graduates who have successfully completed a first degree. In a globalised environment, the JD is internationally recognised as a graduate-level law qualification. UTS: Law integrates flexible learning options, including day and night classes, block intensive classes and online learning.

Career options

Career options include, but are not limited to, lawyer within a private firm, government department or community law centre, regulatory affairs and policy adviser in the public or private sector or legal specialisation related to students' previous degree or enhanced career options within an existing professional sphere.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course the equivalent qualification required is a bachelor's degree in a discipline other than law or a law qualification from an overseas jurisdiction. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Bachelor of Laws or combined Bachelor of Laws (or equivalent) students who transfer to the Juris Doctor can receive credit for no more than half of the subjects within the Juris Doctor based on subjects completed within their undergraduate law studies. This equates to a maximum of 72 credit points.

Course duration and attendance

The standard course can be completed in three years of full-time or five years of part-time study. There are three intakes a year (in Summer, Autumn and Spring).

Students who commence in Summer session complete the introductory core law subject 70102 Foundations of Law before the start of Autumn semester, thereby accelerating their progression and completing an essential introductory area of law before the commencement of their remaining academic program.

Course structure

The course comprises a total of 144 credit points. The study components for course completion are as follows:

- 108 credit points of compulsory core law subjects (15 subjects),
- 30 credit points of law options (five subjects), and
- a 6-credit-point legal theory option (one subject).

Refer to the course entry in the UTS: Handbook 2013 for the pre-2014 course structure.

Refer to the course entry in the UTS: Handbook 2011 (Spring) for students admitted to the Juris Doctor before Summer session 2012 .

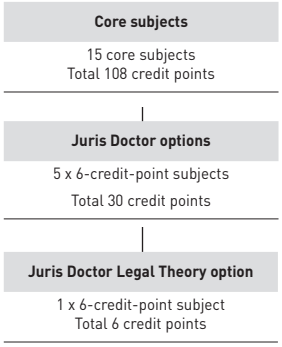
Industrial training/professional practice

To practise as a lawyer in NSW, students need to successfully complete an accredited legal qualification and an accredited course of practical legal training (PLT), such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90831	Core subjects (JD)	108cp
CBK90920	Options (JD)	30cp
CBK90921	Options (Legal Theory PG)	6cp
		Total 144cp

Course diagram



Course program

The introductory core law subject, 70102 Foundations of Law, and select core subjects may also be timetabled in Summer session.

Students in the standard full-time program enrol in between 24 and 26 credit points in Autumn and Spring semesters. Optional subjects are regularly timetabled but not all options are offered in any one semester. Optional subjects are timetabled subject to sufficient student interest.

http://timetable.uts.edu.au

The standard full-time and part-time programs are shown below.

Full time

Year 1

Autumn semester

70114	Criminal Law and Procedure	8cp
70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70211	Contracts	8cp
70311	Torts	8cp
70616	Australian Constitutional Law	8cp

Year 2

Autumn semester

70327	Commercial Law	6cp
70104	Civil Practice	6cp
70317	Real Property	8cp
71116	Remedies	6cp

Spring semester

70517	Equity and Trusts	8cp
70617	Administrative Law	8cp
70109	Evidence	6cp

Year 3

Autumn semester

70106	Principles of Public International Law	6cp
70107	Principles of Company Law	8cp

Select one subject from the following: 6cp

78210	Law and Literature	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78238	History and Theory of Intellectual Property	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp

Select one subject from the following: 6cp

CBK90920	Options (JD)	30cp

Spring semester

Select 24 credit points from the following options: 24cp

CBK90920	Options (JD)	30cp

Part time

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp

Spring semester

70114	Criminal Law and Procedure	8cp
70211	Contracts	8cp

Year 2

Autumn semester

70311	Torts	8cp
70616	Australian Constitutional Law	8cp

Spring semester

70104	Civil Practice	6cp
70327	Commercial Law	6cp

Year 3

Autumn semester

70317	Real Property	8cp
71116	Remedies	6cp

Spring semester

70617	Administrative Law	8cp
70109	Evidence	6cp

Year 4

Autumn semester

70517	Equity and Trusts	8cp
70106	Principles of Public International Law	6cp

Spring semester

70107	Principles of Company Law	8cp

Select 6 credit points from the following options: 6cp

78210	Law and Literature	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78238	History and Theory of Intellectual Property	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp

Year 5

Autumn semester

Select 12 credit points from the following options: 12cp

CBK90920	Options (JD)	30cp

Spring semester

Select 12 credit points from the following options: 12cp

CBK90920	Options (JD)	30cp

Year 6

Autumn semester

Select 6 credit points from the following options: 6cp

CBK90920	Options (JD)	30cp

Levels of award

The Juris Doctor may be awarded with honours. An additional year of study is not required. To qualify for honours, a student must complete 77740 Research Paper within CBK90920 Options (JD). The rules governing the Juris Doctor with honours (current and pre-2013) can be found in postgraduate course information (see page 101). See coursework research on the UTS: Law website for information on how to apply to enrol.

Articulation with UTS courses

Students who successfully complete the Juris Doctor at UTS and have completed Master of Laws (C04143) (see page 382) equivalent subjects within the Juris Doctor, may apply for these subjects to be credited towards the Master of Laws (C04143) (see page 382).

Transfer between UTS courses

Subjects undertaken within the Juris Doctor are recognised within the Master of Legal Studies (C04147) (see page 383) and the Graduate Diploma in Legal Studies (C07074) (see page 465). Students enrolled in the Juris Doctor may apply to internally transfer to the master's or graduate diploma. Candidates are not awarded the Juris Doctor but subjects undertaken are applied towards the master's or graduate diploma.

Professional recognition

This course satisfies the requirements for admission as a lawyer to the Supreme Court of NSW, provided students undertake a PLT program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04237v2 Master of Professional Accounting Extended

Award(s): Master of Professional Accounting (MProfAcc)
CRICOS code: 061286J
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

The Master of Professional Accounting Extended is designed to provide non-accounting graduates with the necessary skills and knowledge required for a career in professional accounting. The completion of the course satisfies the academic requirements for entry to the professional programs of CPA Australia and the Institute of Chartered Accountants in Australia (ICAA).

The Master of Professional Accounting Extended provides the ideal academic foundation to pursue a career in accounting. The course provides the necessary knowledge, understanding and expertise necessary for employment in the accounting profession. Further, the professional recognition of the course by CPA Australia and ICAA provides students with internationally recognised qualifications that enhance both their employment and promotion opportunities.

Course aims

The course aims to provide local and international graduates with the requisite knowledge in accounting and the role accounting plays in providing information products supporting all areas of business activity. In addition to providing a professionally recognised qualification, the course comprises a mix of accounting, finance, legal,

communication and economics subjects that collectively provide a range of essential business skills and knowledge that are necessary for employment in today's dynamic business environment.

Career options

Career options include management-level positions in industry or government, as well as not-for-profit organisations. With the CPA and ICAA qualification being recognised internationally, the prospect for overseas employment is also enhanced.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions based on credit recognition, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in two years of full-time or four years of part-time study.

Classes are offered over three teaching periods each year (namely Autumn and Spring semesters, and Summer session). Not all subjects are available in Summer session.

In most cases, subjects are offered on the basis of one three-hour lecture per week, over a 13-week period, however, certain subjects may be delivered in intensive mode and be completed over a shorter time period.

Course structure

The Master of Professional Accounting Extended comprises 96 credit points, made up of 13 core subjects (totalling 78 credit points), plus three elective subjects (totalling 18 credit points).

Course completion requirements

STM90696	Core subjects	78cp
CBK90807	Electives	18cp
		Total 96cp

Course program

The course program is shown below.

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Professional Accounting (C11206) (see page 508), the Master of Professional Accounting (C04238) (see page 407) and the Master of Professional Accounting Extended.

Professional recognition

CPA Australia; Institute of Chartered Accountants Australia; Institute of Public Accountants (IPA)

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04238v3 Master of Professional Accounting

Award(s): Master of Professional Accounting (MProfAcc)
CRICOS code: 061285K
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Professional Accounting is designed to provide graduates with little or no accounting exposure with the necessary skills and knowledge required for a career in professional accounting. The course satisfies the academic requirements for entry to the professional programs of CPA Australia and the Institute of Chartered Accountants in Australia (ICAA).

This course provides the ideal academic foundation to pursue a career in accounting, with the subjects providing the necessary knowledge, understanding and expertise necessary for employment in the accounting profession. Further, the professional recognition of the course by CPA Australia and ICAA provides students with internationally recognised qualifications that enhance both their employment and promotion opportunities.

Course aims

The course aims to provide local and international graduates with the requisite knowledge in accounting and the role accounting plays in providing information to support business activities. In addition to providing a professionally recognised qualification, the course comprises a mix of accounting, finance, legal and economics subjects which collectively provide a range of essential business skills and knowledge that are necessary for employment in today's dynamic business environment.

Career options

Career options include management-level positions in industry or government, as well as not-for-profit organisations. With the CPA Australia and ICAA qualification being recognised internationally, the prospect for overseas employment is also enhanced.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions based on credit recognition, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one-and-a-half years of full-time or three years of part-time study.

Classes are offered over three teaching periods each year (namely Autumn and Spring semesters, and Summer session). Not all subjects are available in Summer session.

In most cases, subjects are offered on the basis of one three-hour lecture per week, over a 13-week period, however, certain subjects may be delivered in intensive mode and be completed over a shorter time period.

Course structure

The course totals 72 credit points, made up of 12 core subjects.

Course completion requirements

22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp
23706	Economics for Management	6cp
22748	Financial Reporting and Analysis	6cp
22705	Management Planning and Control	6cp
22753	Cost Management and Analysis	6cp
22754	Corporate Accounting	6cp
77947	Companies and Securities Law	6cp
22730	Auditing and Assurance Services	6cp
22743	Business Valuation and Financial Analysis	6cp
77938	Introduction to Taxation Law	6cp
		Total 72cp

Course program

A typical full-time program is provided below, showing a suggested study sequence for students undertaking the course full time for Autumn semester commencement. Most of the subjects are offered in both Autumn and Spring semesters.

Year 1

Autumn semester

22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp
23706	Economics for Management	6cp

Spring semester

22748	Financial Reporting and Analysis	6cp
22753	Cost Management and Analysis	6cp
22754	Corporate Accounting	6cp
77947	Companies and Securities Law	6cp

Year 2

Autumn semester

22705	Management Planning and Control	6cp
22730	Auditing and Assurance Services	6cp
22743	Business Valuation and Financial Analysis	6cp
77938	Introduction to Taxation Law	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Professional Accounting (C11206) (see page 508), the Master of Professional Accounting, and the Master of Professional Accounting Extended (C04237) (see page 406).

Professional recognition

CPA Australia; Institute of Chartered Accountants Australia; Institute of Public Accountants (IPA)

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04239v2 Master of Management

Award(s): Master of Management in (name of Management major)
CRICOS code: 064653M (three semesters)
Commonwealth-supported place?: Yes
Load credit points: 72
Course EFTSL: 1.5
Location: City and Kuring-gai campuses

Note(s)

The Community and Not-for-Profit Management stream is only available to students as a commonwealth-supported place.

Overview

This course provides students with an opportunity to develop skills and knowledge leading to a career in the ever-expanding experience economy and its key sectors. The core of the Master of Management has been designed to provide a business underpinning to a series of industry sector-focused majors in arts, events, sport and tourism. In practical terms the course recognises and embraces the general notion that professionals in this new economy need to understand and plan for the experience rendered to their clients. The majors allow students to specialise and to develop a depth of understanding of management issues, challenges and approaches within a particular sector of the experience economy. The Community and Not-for-Profit Management stream develops critical and analytical skills for people working in non-profit and community organisations. Students have the opportunity to apply research skills to a project focusing on a specific aspect of community and not-for-profit management.

The Master of Management and its four industry-focused majors provide a unique suite of offerings at the postgraduate level. Sydney is the largest tourist gateway in Australia (accounting for more than two-thirds of international tourists), a major sporting hub, the home of Australia's hallmark arts companies and an international events destination. UTS is consequently in a unique position to capitalise and position itself within the growing experience economy with this course and its associated majors.

The course provides a combination of intellectual rigour with the development of a range of significant general management skills. Coupled with these is a strong practical orientation to the specialist industry sectors associated with the course's majors which provides students with opportunities to gain exposure to and experience within their specialist industry sector.

The graduate student body in the school is culturally diverse. Both domestic and international students come from a range of cultural and ethnic backgrounds. Class engagement and participation recognises and embraces this diversity. A number of the school's staff have experience in international teaching in China, Malaysia, Cambodia, Thailand, Singapore, the United Kingdom and Europe, and are thus able to bring a global perspective to the international environment in which they engage.

The well-developed industry focus of the course, the strong connections to the Sydney market, the opportunities for professional engagement and a global outlook in classroom interactions are all significant markers of this program.

The Community and Not-for-Profit Management stream provides an opportunity to study at a professional level those factors contributing to the effective management of non-profit organisations. Students develop an understanding of this 'third sector' and its social and economic context, and are introduced to ways of thinking systematically about non-profit organisations and their management. Students also gain knowledge of the range of non-profit organisations, their structure and distinguishing features.

Course aims

The aim of the course is to prepare forward-thinking, work-ready graduates with the business, management and interpersonal skills to function effectively as professionals within their selected industry sector of the arts, events, tourism, sport or community and not-for-profit organisations.

Career options

The course provides for a wide range of career opportunities within each of the four industry sectors linked to its specialist majors.

In Arts Management, graduates may pursue careers in such fields as:

- cultural policy
- marketing performing arts
- cultural venue management
- arts and cultural development management
- gallery and museum management
- dance, theatre and popular music.

In Event Management, graduates may pursue careers in such fields as:

- event planning and development
- conference management
- event marketing
- exhibition management
- corporate event management
- festival and special event management
- place management.

In Sport Management, graduates may pursue careers in such fields as:

- sport marketing
- sport event management
- venue and facility management
- sports development
- sports administration
- operations management.

In Tourism Management, graduates may pursue careers in such fields as:

- tourist attraction management
- tour wholesaling and operations
- tourism marketing
- tourism research
- tourism planning and development
- hotel development, marketing and management
- airline and transportation management
- ecotourism operations and management.

In Community and Not-for-Profit Management, career options include managing non-government or non-profit organisations, working in the field of corporate social responsibility, or in government particularly in roles that work with community or not-for-profit organisations such as:

- social and community welfare
- environment advocacy
- arts and culture
- fundraising
- education
- international aid and development
- professional associations and unions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four compulsory subjects may be approved from prior undergraduate study. Compulsory subjects, in this context, include core subjects plus the required subjects to complete a specific major.

Course duration and attendance

The course duration is one-and-a-half years, full time; or three years, part time.

The Community and Not-for-Profit Management stream is taught in flexible mode, including three intensive workshops of five days each, self-managed learning packages and learning partnerships to develop peer-supported networks.

Course structure

The course comprises 72 credit points, made up of five core subjects (30 credit points) and seven elective subjects (42 credit points) comprising a major in either tourism, arts, sports or event management. Within each major there are five compulsory subjects that must be completed for a student to be credited with that major. The remaining two elective subjects may be selected from subjects offered in other majors, or students may elect to do an industry-based research project or professional internship placement.

The Community and Not-for-Profit Management stream comprises 72 credit points of study, made up of eight core subjects (48 credit points) and four elective subjects (24 credit points).

Course completion requirements

Select 72 credit points from the following options:			72cp
STM90774	Standard options (Management)	72cp	
STM90776	Community and Not-for-Profit Management	72cp	
			Total 72cp

Course program

Example course programs for each major are provided below.

Arts Management

Year 1

Autumn semester

27753	Arts and Cultural Industries	6cp
27755	Arts Organisations and Management	6cp
21751	Management Research Methods	6cp
22747	Accounting for Managerial Decisions	6cp

Spring semester

27763	Arts and Cultural Policy	6cp
27734	Marketing for the Experience Industries	6cp
27778	Innovative Services Management	6cp
27717	Venue and Facility Management	6cp

Year 2

Autumn semester

27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
27733	The Experience Economy	6cp
Select 12 credit points of electives		12cp

Event Management

Year 1

Autumn semester

27727	Event Creation Workshop	6cp
27765	Event Management	6cp
21751	Management Research Methods	6cp
22747	Accounting for Managerial Decisions	6cp

Spring semester

27726	Event Concepts and Contexts	6cp
27737	Event Risk Management	6cp
27717	Venue and Facility Management	6cp
27734	Marketing for the Experience Industries	6cp

Year 2

Autumn semester

27733	The Experience Economy	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
Select 12 credit points of electives		12cp

Sports Management

Year 1

Autumn semester

27732	Sport Organisations	6cp
27715	Sport Business	6cp
21751	Management Research Methods	6cp
22747	Accounting for Managerial Decisions	6cp

Spring semester

27717	Venue and Facility Management	6cp
27734	Marketing for the Experience Industries	6cp
27721	Sport Globalisation	6cp
27778	Innovative Services Management	6cp

Year 2

Autumn semester

27733	The Experience Economy	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
Select 12 credit points of electives		12cp

Tourism Management

Year 1

Autumn semester

27735	Tourism and the Industry	6cp
27767	Tourist Behaviour	6cp
21751	Management Research Methods	6cp
22747	Accounting for Managerial Decisions	6cp

Spring semester

27706	Managing Tourism Services	6cp
27734	Marketing for the Experience Industries	6cp
27700	Sustainable Tourism Management	6cp
27778	Innovative Services Management	6cp

Year 2

Autumn semester

27733	The Experience Economy	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
Select 12 credit points of electives		12cp

Community and Not-for-Profit Management

Year 1

Autumn semester

21766	Managing Community Organisations	6cp
21778	Resource Mobilisation	6cp
22747	Accounting for Managerial Decisions	6cp
21751	Management Research Methods	6cp

Spring semester

21767	Not-for-Profit Sector Theory and Context	6cp
21817	Volunteer Management	6cp
Select 12 credit points of electives		12cp

Year 2

Autumn semester

21879	Corporate Social Responsibility and Measuring Social Impact	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
Select 12 credit points of electives		12cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Event Management (C11038) (see page 481), the Graduate Diploma in Event Management (C06017) (see page 440), the Graduate Certificate in Tourism Management (C11035) (see page 480), the Graduate Diploma in Tourism Management (C07027) (see page 459), the Graduate Certificate in Arts Management (C11033) (see page 479), the Graduate Diploma in Arts Management (C07028) (see page 460), the Graduate Certificate in Sport Management (C11037) (see page 480), the Graduate Diploma in Sport Management (C07029) (see page 460), the Graduate Diploma in Community and Not-for-Profit Management (C07019) (see page 457), the Graduate Certificate in Community and Not-for-Profit Management (C11024) (see page 478), and the Master of Management.

Professional recognition

The Community and Not-for-Profit Management stream is accredited by the Nonprofit Academic Centers Council (NACC).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C04240v1 Master of Advanced Architecture

Award(s): Master of Advanced Architecture in (name of specialisation) (MAdvArch)
UAC code: 940114 (Autumn semester, Spring semester)
CRICOS code: 065866A
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Advanced Architecture is a post-professional coursework degree leading to either one of two qualifications: the Master of Advanced Architecture in Urban Design or the Master of Advanced Architecture in Design Technologies.

The Design Technologies specialisation focuses on computationally driven architectural design and its expansion into digital manufacturing, prototyping, and materials technologies, as well as the realisation of responsive environments. This degree is an evolution of UTS's Master of Digital Architecture.

The Urban Design specialisation addresses the intersecting challenges of social and political change, environmental degradation and globalisation through the design of the urban fabric, including infrastructure, buildings and open spaces.

Project-based learning is a core focus of the course with projects adapted from practice situations as vehicles for advancing the professional practice of architecture and urban design. Relevant and challenging projects faced by industry are tested as vehicles in an academic setting.

The course has a strong element of internationalisation through the inclusion of intensive master classes and a global field studio that sees key international urban designers, architects and theorists teach into the course each year.

The Master of Advanced Architecture combines subjects in research and theory, with the development of advanced design and technical skills. The two qualifications share an emphasis on project-based coursework through which students learn to apply digital techniques to spatial research and design at the scale of the city or the architectural project.

Subjects include spatial research, demonstration projects oriented towards industry and competition subjects ensure strong integration between urbanism, architecture and new technologies at the cutting edge of design. This provides a breadth of exposure and responsibility unique in Australian architectural education.

Course aims

The Master of Advanced Architecture in Design Technologies equips architecture professionals with the research and design skills to effectively develop and lead the architecture profession locally and internationally in the emerging disciplinary field of architecture, computation and digital manufacturing. Its content is based on the close relationship between new technologies for architectural design related to analysis, synthesis, prototyping, implementation and management of our built environment and the challenges of producing socially and environmentally sustainable buildings and cities in complex political, economic and social conditions. Accordingly the course balances theory with practice, ethics and development, creative speculation and applied research. Through project-based research studios, students explore new design technologies and their capacity for design production and analysis integrating material and spatial informatics towards advanced experimental design research.

The Master of Advanced Architecture in Urban Design trains students to shape the physical environment of the city through ideas, plans and policies. Rather than apply existing solutions for a city, the course encourages students to re-frame the challenges of the urban environment, to become a central participant in the larger political context and to implement advanced architectural design in cities. New methods for mapping and experiencing cities are used to develop urban design responses that take into account existing knowledge and develop alternative futures.

Career options

Career options are focused on leading design and technical innovation roles in architecture and urban design.

Graduates in the Design Technologies specialisation can also take roles in manufacturing and RP modelling, systems and strategic design and analysis, architectural animation and visualisation.

Career options for graduates with the Urban Design specialisation include positions in urban design, urban strategy and policy and architectural design.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants require a five-year full-time or equivalent professional entry degree from an accredited program in architecture or a four-year full-time or equivalent degree from an accredited program in landscape architecture.

Alternatively applications can demonstrate an equivalency through a portfolio and relevant experience in an allied design profession.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

All applicants must submit a portfolio of work demonstrating their design skills for examination in addition to a statement of interest in the course.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

There is also the possibility of international field trips.

Course structure

The course comprises 24 credit points of classes in Autumn semester (over 14 weeks), a 12-credit-point studio in July session (over four weeks), 24 credit points of classes in Spring semester (over 14 weeks), and a 12-credit-point demonstration project in Summer session (over eight weeks).

Course completion requirements

11520	Spatial Research	6cp
11525	Demonstration Project	12cp
CBK90623	Advanced Architecture	12cp
CBK90624	Advanced Architecture Studio	42cp
		Total 72cp

Transfer between UTS courses

Entry into this course can occur via one of the following UTS pathway courses: the Master of Architecture (C04235) (see page 404), the Graduate Diploma in Architecture (C07115) (see page 470) or the Graduate Certificate in Architecture (C11212) (see page 511).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C04241v2 Master of Science

Award(s): Master of Science in (name of Science major) (MSc)
UAC code: 940747 (No specified major) (Autumn semester, Spring semester), 940750 (Forensic Science) (Autumn semester, Spring semester), 940756 (Environmental Change Management) (Autumn semester, Spring semester), 940759 (Medical Biotechnology) (Autumn semester, Spring semester), 940762 (Science Management) (Autumn semester, Spring semester), 940765 (Mathematical and Statistical Modelling) (Autumn semester, Spring semester), 940770 (Marine Science and Management) (Autumn semester, Spring semester), 940773 (Biomedical Engineering) (Autumn semester)
CRICOS code: 071909M; 072904G (Accelerated)
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5

Overview

This course is designed to cater for two distinct groups of students: professional scientists wishing to update their industry-related skills for career advancement and students considering a research degree.

The course contains a compulsory core of professional subjects relevant to all science disciplines. The subjects in the core provide a backbone of skills important to a professional scientist; be they engaged in research, science businesses, industries or government organisations. These are the skills of communication, critical analysis, project management and innovation and commercialisation. The professional strand is complemented by a choice of major study in a specific science or mathematics discipline, or in science management. Students also have the option of undertaking a research project, subject to approval by the faculty. For students with suitable achievement levels considering a research degree, this course provides a pathway to a PhD.

Students in the Marine Science and Management major are exposed to multi-disciplinary and cross-institutional coursework, with a capstone project taught at the Sydney Institute of Marine Science (SIMS) and multiple lecture series and practical components using real-life data from the Australian Integrated Marine Observatory System.

Course aims

The course provides graduates with analytic tools and disciplinary knowledge, combined with creative, logical approaches to problem-solving and professional skills that facilitate real world application of the science such as project management, IP management and commercialisation.

Career options

Career options vary according to the major chosen, but all graduates have training in the professional attributes that employers seek. The skills learnt expand career horizons and enhance prospects for promotion in the rapidly evolving science professions. Graduates in all majors may also proceed to a career in research through entry to a PhD.

- Graduates of the **Biomedical Engineering major** will be well prepared for careers in medical device and biotechnology companies, government policy and regulation, hospitals, and research organisations where the ability to combine biology and engineering knowledge and skills is required.
- Graduates of the **Marine Science and Management major** can pursue careers worldwide in private and public agencies, or as private consultants in fields such as policy and conservation, fisheries, environmental sustainability and management, impact assessment, tourism, and education.
- Graduates of the **Environmental Change Management major** may find management and leadership positions in government agencies, the private sector and community organisations concerned with biodiversity, coastal zone management, climate change adaptation, environmental policy, environmental remediation, environmental sustainability, fisheries, infrastructure, land and water resources, national parks and wildlife, planning, and natural resources management.
- **Forensic Science major** graduates may take up positions in police forensic laboratories, state and federal law enforcement agencies, government and private forensic or drug detection laboratories, customs and border protection agencies, and environmental protection agencies.
- Graduates of the **Mathematical and Statistical Modelling major** may expect to apply their logistic, statistical and modelling skills in careers in a wide range of diverse organisations and industries,

including banking and finance, health, information technology, and market research.

- Career options for **Medical Biotechnology major** graduates include senior positions in public health units, hospitals or government departments, or as policy analysts or consultants, providing links with bodies such as state health departments. Graduates may also pursue management positions in diagnostic medical laboratories, or in pharmaceutical or biotechnology companies.
- Graduates of the **Science Management major** are focused towards careers in management of science industries and organisations. This major is specifically designed for science graduates who are making, or expect to make, the transition to management roles in their place of employment.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Entry into any of the majors requires a minimum of a Bachelors degree in a related discipline.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students enrolled in this course may be eligible for credit recognition of up to 24 credit points if the subjects previously studied are deemed by UTS: Science to be equivalent to those specified for their course.

To be considered for credit recognition, subjects must normally have been completed no more than five years prior to the commencement of this course.

Course duration and attendance

The standard course duration is 18 months of full-time study.

The course may also be completed in part-time mode, typically over 36 months. Part-time students must be prepared to attend some afternoon or morning classes during each teaching week.

Course structure

The course requires 72 credit points of study, comprising 24 credit points of professional stream subjects and a 48-credit-point major.

A non-specified major in which cross-disciplinary subject selection is possible is also offered.

Course completion requirements

STM90522	Professional stream	24cp
CBK90644	Major choice	48cp
		Total 72cp

Course program

Example programs for the accelerated mode commencing in either Autumn or Spring semesters for all majors except Forensic Science and Biomedical Engineering are shown below.

The Forensic Science major (MAJ01123) contains a mix of subjects from different forensic disciplines and example programs are more difficult to predict because subject choices are influenced by prior study. A typical 18-month program focusing on the forensic chemistry discipline with admission in Autumn semester is shown below, as well as a typical 18-month program focusing on the forensic biology discipline with admission in Spring semester. Students with appropriate backgrounds wishing to choose a mixture of forensic chemistry and forensic biology subjects should seek advice from their program advisers.

The Biomedical Engineering major (MAJ03470) contains a mix of subjects from different science and engineering disciplines and example programs are more difficult to predict because subject choices are influenced by prior study. Typical 18-month programs for students admitted in either Autumn or Spring semester, with prior backgrounds in either biomedical or physical science are shown below. Depending on selection of electives, the number of elective credit points in a given semester may differ from that listed below.

The Marine Science and Management major (MAJ01130) requires two subjects to be chosen from external partner universities and the subject chosen may affect the course duration, depending on semester of offer of the selected subject. Example programs for the accelerated mode commencing in either Autumn or Spring semesters are shown below, however it should be noted that these are possible only if the specific optional subjects illustrated are chosen.

Environmental Change Management major, Autumn Full time

Year 1

Autumn semester

60901	Advanced Communication Skills in Science		6cp
60902	The Scientific Method		6cp
91120	GIS and Remote Sensing		6cp
Select 6 credit points from the following options:			6cp
91116	Wildlife Ecology	6cp	
91118	Fisheries Resources	6cp	
66513	Marine Geosciences	6cp	
91309	Biodiversity Conservation	6cp	

July session

60904	Innovation, Entrepreneurship and Commercialisation		6cp

Spring semester

91145	Environmental Protection and Management		6cp
91540	Climate Change and Ecological Modelling		6cp
Select 12 credit points from the following options:			12cp
91155	Stream and Lake Assessment	6cp	
91551	Ecohydrology and Climate Change	6cp	
91157	Marine Communities	6cp	
CBK90640	Elective	6cp	
91545	Environment Research Project A	12cp	

Year 2

Autumn semester

60903	Project Management in Science		6cp
91541	Monitoring Ecological Variability		6cp
Select 6 credit points from the following options:			6cp
91155	Stream and Lake Assessment	6cp	
91551	Ecohydrology and Climate Change	6cp	
91157	Marine Communities	6cp	
91545	Environment Research Project A	12cp	
CBK90640	Elective	6cp	

Environmental Change Management major, Spring Full time

Year 1

Spring semester

60901	Advanced Communication Skills in Science		6cp
60902	The Scientific Method		6cp
91145	Environmental Protection and Management		6cp
Select 6 credit points from the following options:			6cp
91155	Stream and Lake Assessment	6cp	
91157	Marine Communities	6cp	

Year 2

Autumn semester

91120	GIS and Remote Sensing		6cp
60903	Project Management in Science		6cp
91541	Monitoring Ecological Variability		6cp
Select 6 credit points from the following options:			6cp
91116	Wildlife Ecology	6cp	
91118	Fisheries Resources	6cp	
66513	Marine Geosciences	6cp	
91309	Biodiversity Conservation	6cp	

July session

60904	Innovation, Entrepreneurship and Commercialisation		6cp

Spring semester

91540	Climate Change and Ecological Modelling		6cp
Select 12 credit points from the following options:			12cp
91157	Marine Communities	6cp	
91544	Environment Risk Assessment and Remediation	6cp	
91155	Stream and Lake Assessment	6cp	
91545	Environment Research Project A	12cp	

Medical Biotechnology major, Autumn Full time

Year 1

Autumn semester

60901	Advanced Communication Skills in Science		6cp
60902	The Scientific Method		6cp
Select 12 credit points from the following options:			12cp
91335	Molecular Biology 2	6cp	
91359	Advanced Immunology	6cp	
91707	Pharmacology 1	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91537	Biotechnology Research Project A	12cp	
91369	Biobusiness and Environmental Biotechnology	6cp	

July session

60904	Innovation, Entrepreneurship and Commercialisation		6cp

Spring semester

91536	Proteomics		6cp
Select 18 credit points from the following options:			18cp
91539	Biotechnology Research Project	24cp	
CBK90640	Elective	6cp	
91352	Parasitology	6cp	
91705	Medical Devices and Diagnostics	6cp	
91368	Bioreactors and Bioprocessing	6cp	
91538	Biotechnology Research Project B	12cp	
91345	Biochemistry, Genes and Disease	6cp	

Year 2

Autumn semester

91535	Microscopy and Cytometry		6cp
60903	Project Management in Science		6cp

Medical Biotechnology major, Spring Full time

Year 1

Spring semester

60901	Advanced Communication Skills in Science		6cp
60902	The Scientific Method		6cp
Select 12 credit points from the following options:			12cp
91537	Biotechnology Research Project A	12cp	
91352	Parasitology	6cp	
91705	Medical Devices and Diagnostics	6cp	
91368	Bioreactors and Bioprocessing	6cp	
91345	Biochemistry, Genes and Disease	6cp	

Year 2

Autumn semester

60903	Project Management in Science		6cp
91535	Microscopy and Cytometry		6cp
Select 12 credit points from the following options:			12cp
91335	Molecular Biology 2	6cp	
91359	Advanced Immunology	6cp	
91707	Pharmacology 1	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91369	Biobusiness and Environmental Biotechnology	6cp	
91539	Biotechnology Research Project	24cp	
CBK90640	Elective	6cp	
91538	Biotechnology Research Project B	12cp	

July session

60904	Innovation, Entrepreneurship and Commercialisation		6cp

Spring semester

91536	Proteomics		6cp
Select 12 credit points from the following options:			12cp
91335	Molecular Biology 2	6cp	
91359	Advanced Immunology	6cp	
91707	Pharmacology 1	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91369	Biobusiness and Environmental Biotechnology	6cp	
91539	Biotechnology Research Project	24cp	
91538	Biotechnology Research Project B	12cp	
CBK90640	Elective	6cp	

Mathematical and Statistical Modelling major, Autumn Full time

Year 1

Autumn semester

60901	Advanced Communication Skills in Science		6cp
35212	Computational Linear Algebra		6cp
Select 12 credit points from the following options:			12cp
35365	Stochastic Calculus in Finance	6cp	
Select one of the following:			6cp
35252	Mathematical Statistics	6cp	
35364	Statistics for Quantitative Finance	6cp	
35504	Seminar C	6cp	
35322	Advanced Analysis	6cp	
35503	Seminar B	6cp	
35505	Seminar D	6cp	
35502	Seminar A	6cp	
35356	Design and Analysis of Experiments	6cp	
35340	Quantitative Management Practice	6cp	

July session

60904	Innovation, Entrepreneurship and Commercialisation		6cp

Spring semester

Select 24 credit points from the following options:			24cp
35231	Differential Equations	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35353	Regression Analysis	6cp	
Select one of the following:			6cp
35355	Quality Control	6cp	
35393	Seminar (Statistics)	6cp	
35361	Stochastic Processes	6cp	
35502	Seminar A	6cp	
35503	Seminar B	6cp	
35504	Seminar C	6cp	
35505	Seminar D	6cp	
35366	Numerical Methods of Finance	6cp	
35457	Multivariate Statistics	6cp	
35114	Mathematical Research Project	24cp	
35112	Mathematical Research Project A	12cp	

Year 2

Autumn semester

60903	Project Management in Science		6cp
Select 12 credit points from the following options:			12cp
35322	Advanced Analysis	6cp	
35340	Quantitative Management Practice	6cp	
35356	Design and Analysis of Experiments	6cp	
35365	Stochastic Calculus in Finance	6cp	
Select one of the following:			6cp
35252	Mathematical Statistics	6cp	
35364	Statistics for Quantitative Finance	6cp	
35113	Mathematical Research Project B	12cp	
35502	Seminar A	6cp	
35503	Seminar B	6cp	
35504	Seminar C	6cp	
35505	Seminar D	6cp	

Mathematical and Statistical Modelling major, Spring Full time

Year 1

Spring semester

Select 24 credit points from the following options: 24cp

35342	Nonlinear Methods in Quantitative Management		6cp
35344	Network and Combinatorial Optimisation		6cp
35353	Regression Analysis		6cp

Select one of the following: 6cp

35355	Quality Control	6cp	
35393	Seminar (Statistics)	6cp	

35361	Stochastic Processes	6cp
35502	Seminar A	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp

Year 2

Autumn semester

35212	Computational Linear Algebra	6cp
60903	Project Management in Science	6cp

Select 12 credit points from the following options: 12cp

35356	Design and Analysis of Experiments	6cp
35365	Stochastic Calculus in Finance	6cp

Select one of the following: 6cp

35252	Mathematical Statistics	6cp	
35364	Statistics for Quantitative Finance	6cp	

35502	Seminar A	6cp
35340	Quantitative Management Practice	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp
35112	Mathematical Research Project A	12cp
35322	Advanced Analysis	6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

60901	Advanced Communication Skills in Science	6cp

Select 12 credit points from the following options: 12cp

35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35353	Regression Analysis	6cp
35361	Stochastic Processes	6cp

Select one of the following: 6cp

35355	Quality Control	6cp	
35393	Seminar (Statistics)	6cp	

35366	Numerical Methods of Finance	6cp
35457	Multivariate Statistics	6cp
35502	Seminar A	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp
35113	Mathematical Research Project B	12cp
35231	Differential Equations	6cp

Science Management major, Autumn Full time

Year 1

Autumn semester

60901	Advanced Communication Skills in Science	6cp
49069	Leadership and Responsibility	6cp
49001	Judgment and Decision Making	6cp

Select 6 credit points from the following options: 6cp

CBK90642	Elective	12cp
CBK90643	Elective	12cp
CBK90388	Electives	12cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

60902	The Scientific Method	6cp
60906	Science in Practice	6cp
60908	Science and Industrialisation	6cp

Select 12 credit points from the following options: 12cp

CBK90642	Elective	12cp
CBK90643	Elective	12cp
CBK90388	Electives	12cp

Year 2

Autumn semester

60903	Project Management in Science	6cp

Select 6 credit points from the following options: 6cp

CBK90642	Elective	12cp
CBK90643	Elective	12cp
CBK90388	Electives	12cp

Science Management major, Spring Full time

Year 1

Spring semester

60901	Advanced Communication Skills in Science	6cp
60906	Science in Practice	6cp
60908	Science and Industrialisation	6cp

Select 6 credit points from the following options: 6cp

CBK90642	Elective	12cp
CBK90643	Elective	12cp
CBK90388	Electives	12cp

Year 2

Autumn semester

60902	The Scientific Method	6cp
60903	Project Management in Science	6cp
49069	Leadership and Responsibility	6cp
49001	Judgment and Decision Making	6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

Select 18 credit points from the following options: 18cp

CBK90642	Elective	12cp
CBK90643	Elective	12cp
CBK90388	Electives	12cp

Forensic Science major, Chemistry strand, Autumn Full time

Year 1

Autumn semester

60901	Advanced Communication Skills in Science	6cp
65034	Introduction to Forensic Science	6cp
65545	Forensic Toxicology	6cp
65342	Crime Scene Investigation	6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

60902	The Scientific Method	6cp

Select 18 credit points from the following options: 18cp

65412	Physical Evidence	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp
65032	Forensic Science Research Project A	12cp

Year 2

Autumn semester

60903	Project Management in Science	6cp

Select 12 credit points from the following options: 12cp

65544	Chemical Criminalistics	6cp
35255	Forensic Statistics	6cp
65072	Forensic Science Research Project B	12cp

Forensic Science major, Biology strand, Spring Full time

Year 1

Spring semester

91402	Anatomical Pathology	6cp
60902	The Scientific Method	6cp
60901	Advanced Communication Skills in Science	6cp
65034	Introduction to Forensic Science	6cp

Year 2

Autumn semester

60903	Project Management in Science	6cp
65342	Crime Scene Investigation	6cp
91137	DNA Profiling	6cp
91138	Investigation of Human Remains	6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

Select two subjects from the following: 12cp

91139	Complex Forensic Cases (Biology)	6cp
79028	Complex Forensic Cases (Law for Biology)	6cp
91548	Forensic Biology Research Project A	12cp

Select one subject from the following: 6cp

65412	Physical Evidence	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp

Marine Science and Management major, Autumn Full time

Year 1

Autumn semester

60901	Advanced Communication Skills in Science	6cp
60903	Project Management in Science	6cp
91165	External Marine Study 1	6cp

Select 6 credit points from the following options: 6cp

91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

60902	The Scientific Method	6cp
91540	Climate Change and Ecological Modelling	6cp

Select 6 credit points from the following options: 6cp

91156	Marine Productivity and Climate Change	6cp
91157	Marine Communities	6cp

Year 2

Autumn semester

91146	Topics in Australian Marine Science	6cp
91541	Monitoring Ecological Variability	6cp
91166	External Marine Study 2	6cp

Select 6 credit points from the following options: 6cp

91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp

Marine Science and Management major, Spring Full time

Year 1

Spring semester

60901	Advanced Communication Skills in Science	6cp
60902	The Scientific Method	6cp
91165	External Marine Study 1	6cp

Select 6 credit points from the following options: 6cp

91156	Marine Productivity and Climate Change	6cp
91157	Marine Communities	6cp

Year 2

Autumn semester

60903	Project Management in Science	6cp
91541	Monitoring Ecological Variability	6cp
91146	Topics in Australian Marine Science	6cp

Select 6 credit points from the following options: 6cp

91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

91540	Climate Change and Ecological Modelling	6cp
91166	External Marine Study 2	6cp

Select 6 credit points from the following options: 6cp

91156	Marine Productivity and Climate Change	6cp
91157	Marine Communities	6cp

Biomedical Engineering major, Physical Science stream, Autumn

Year 1

Autumn semester

91429	Physiological Bases of Human Movement	6cp
60901	Advanced Communication Skills in Science	6cp
48023	Programming Fundamentals	6cp

Select 6 credit points of electives 6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

49261	Biomedical Instrumentation	6cp
91239	Human Pathophysiology	6cp

Select 12 credit points of electives 12cp

Year 2

Autumn semester

60903	Project Management in Science	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Select 6 credit points of electives 6cp

Biomedical Engineering major, Physical Science stream, Spring

Year 1

Spring semester

91400	Human Anatomy and Physiology	6cp
60901	Advanced Communication Skills in Science	6cp
48023	Programming Fundamentals	6cp

Select 6 credit points of electives 6cp

Year 2

Autumn semester

60903	Project Management in Science	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Select 12 credit points of electives 12cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

49261	Biomedical Instrumentation	6cp
91239	Human Pathophysiology	6cp

Select 6 credit points of electives 6cp

Biomedical Engineering major, Biomedical Sciences stream, Autumn

Year 1

Autumn semester

60901	Advanced Communication Skills in Science	6cp
60902	The Scientific Method	6cp
68316	Applied Electronics and Interfacing	6cp
Select 6 credit points of electives		6cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

49261	Biomedical Instrumentation	6cp
91239	Human Pathophysiology	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

60903	Project Management in Science	6cp
Select 18 credit points of electives		18cp

Biomedical Engineering major, Biomedical Sciences stream, Spring

Year 1

Spring semester

60901	Advanced Communication Skills in Science	6cp
60902	The Scientific Method	6cp
91239	Human Pathophysiology	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

60903	Project Management in Science	6cp
68316	Applied Electronics and Interfacing	6cp
Select 12 credit points of electives		12cp

July session

60904	Innovation, Entrepreneurship and Commercialisation	6cp

Spring semester

49261	Biomedical Instrumentation	6cp
Select 12 credit points of electives		12cp

Other information

Further information is available from:

Science Academic Administration Office

telephone +61 2 9514 9985

email Science.admin@uts.edu.au

or

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04242v1 Master of Communications Law

Award(s): Master of Communications Law (MCommLaw)
UAC code: 940430 (Autumn semester, Spring semester)
CRICOS code: 071753D
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

Emerging as a critical media and legal specialisation, communications law at UTS offers an opportunity for non-law as well as law graduates to develop an understanding and demonstrate their expertise as media professionals and commentators, policy makers and lawyers, managers and researchers in this important area.

Students are exposed to key issues within the field such as: the roll-out of the national broadband network (NBN); cyber-security; legal perspectives on the internet; the role of law and regulation in communications, media and entertainment; and the relationship of intellectual property and technology.

Career options

Career options exist for non-law professionals to enhance prospects as communications policy advisors, editorial and management positions, online/social media consultants, lobbyists, researchers for public interest groups and industry commentators. Practising lawyers can expand their legal specialisations in areas including communications law, intellectual property, media and entertainment law, telecommunications law, technology law and corporate law.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of one year of full-time study or two years of part-time study.

Course structure

Two streams are available in the course:

- Students who hold an undergraduate legal qualification must complete six option subjects (48 credit points).
- Students who hold an undergraduate degree in a discipline other than law must complete one core introductory subject (8 credit points) followed by an additional five subjects (40 credit points).

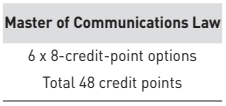
Students who have completed an undergraduate legal qualification should contact the UTS Student Centre during enrolment if their study plan includes the Non-law graduate entrant stream (STM90543).

Subjects are regularly timetabled but not all subjects listed are offered in any one semester. Timetabled subjects are offered subject to sufficient student interest. The current timetable can be found at:

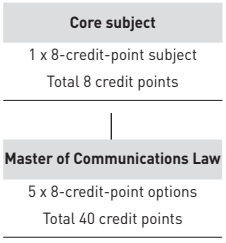
http://timetable.uts.edu.au

Course diagram

Law graduate entrants



Non-law graduate entrants



Course completion requirements

Select one of the following:		48cp
STM90543	Non-law graduate entrant stream	48cp
STM90542	Law graduate entrant stream	48cp
		Total 48cp

Levels of award

To qualify for honours, candidates must attain a weighted average mark of 80 per cent across all subjects attempted.

Articulation with UTS courses

Students enrolled in the Graduate Certificate in Communications Law (C11217) (see page 513) may apply to transfer to the Master of Communications Law. Successful candidates are not awarded the graduate certificate but subjects undertaken within the graduate certificate are recognised and applied towards the master's.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04243v2 Master of Design

Award(s): Master of Design in (name of Design major) (MDesign)
UAC code: 940107 (Autumn semester, Spring semester)
CRICOS code: 071751F
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

Unique in Australia, the Master of Design is intellectually vibrant, socially engaging, visionary, practice focused and actively linked to industry. This course is centred around building a design community network. The course has two main components: specialised master classes led by a studio leader and industry partners and theory and technology subjects taught across the program.

The program focuses on and integrates research, industry collaboration, internationalisation and a design culture through the delivery of specialist, core and trans-disciplinary subjects. It provides a postgraduate education that is flexible in both its practice orientation and research integration.

With a focus on design evolution, innovative integration of new technologies, practice and student experimentation, this Master of Design is delivered by experienced studio leaders who are acknowledged leaders in the specific industries and professions.

Course aims

Designed to produce a balance between high levels of specialisation and lateral thinking, the program enables students to examine design from a trans-disciplinary perspective.

It enables students to explore design issues under the supervision of a practice leader, to learn new strategies and the application of research and theory. It supports best practices in postgraduate design education through learning and research strategies that critically examine design practice.

Graduates of this course are leaders in design and related industries through their expertise in product and service development. They are able to utilise strategic processes, creative tools and research skills for innovation in design.

The program provides a suite of subjects for postgraduate designers in the areas of interaction, strategy and enterprise, lighting design, technotextiles, and text and image. Common subjects explore related conceptual challenges and questions of visual expression in the quest to develop useful, usable and resonant designs. These include understanding and articulating the importance of 'user experience', the role of design in humanising information, the aesthetic and conceptual dynamics of effective communication, strategic thinking, and aspects of design management, branding and communication.

Career options

Graduates' careers are enhanced by high-level professional knowledge and skills for the workplace, with possession of specialised knowledge in advanced textiles, space and materials, interaction, sustainable design and innovation.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

In addition to the above qualifications, applicants need to satisfy all of the following:

- a bachelor's degree in a design-related field with a mid-credit (70) average from a UTS recognised university including identified study that relates to the applicant's specified major/cluster
- a CV that clearly articulates the applicant's design or related experience and may include documentation/examples of previous work
- a digital portfolio of six A4 landscape pdfs: five of these pdfs must be digital files of scans and/or photographs or original design work appropriate to the master's studio being applied for
- one of the pdfs must be a statement of 300 words stating studio preferences and addressing the applicant's reasons for undertaking study in the nominated specialisation.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis.

Course structure

Students must complete 72 credit points comprising 36 credit points of core subjects and 36 credit points of design expertise subjects.

Course completion requirements

CBK90665	Design major choice	36cp
CBK90890	Theory and Technology subjects (Design)	36cp
		Total 72cp

Exit award

Students can exit this course after completing 48 credit points of specified subjects with a Graduate Diploma in Design (C07119) (see page 473) or after completing 24 credit points of specified subjects with a Graduate Certificate in Design (C11225) (see page 516).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C04244v1 Master of Arts in Non-fiction Writing

Award(s): Master of Arts in Non-fiction Writing (MA)
UAC code: 940530 (Autumn semester, Spring semester)
CRICOS code: 071748A
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Arts in Non-fiction Writing is designed for experienced writers who are prepared to undertake advanced work in the growing field of non-fiction. In Australia, the non-fiction book market is much larger than the fiction market.

The course builds on the research and teaching strengths in areas of creative writing, journalism, media arts and production, and information and knowledge management.

It focuses on writing and research skills including identifying a subject, using archives, examining methods, exploring genres and structuring material for a full-length non-fiction book. In this course, non-fiction includes biography, life writing, true crime, travel writing, sports writing, the personal essay and other forms of sustained and structured non-fiction narrative. Students can study one genre in depth or explore a range of genres and media.

Students learn valuable skills and work towards developing a major project under the guidance of an academic faculty member with expertise in non-fiction.

Course aims

Graduates of this course develop:

- general and specific skills in non-fiction writing across a range of genres
- an ability to develop and critically revise their own work
- an ability to structure and sustain a book-length narrative
- an understanding of the relationships of writing practice and publication across a range of media and contemporary cultural forms
- a critical knowledge of aesthetic debates and modern developments in non-fiction, and
- an ability to think creatively and critically.

Career options

Career options include biographical and historical writing, freelance writing and editing, life writing, media research, publishing, professional writing, true crime writing, and editing in cultural organisations or government departments.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

All applicants are required to:

- explain what writing experience they have
- list their publications, if any
- attach one example of their non-fiction writing
- supply written references from people who are familiar with their ability and potential (if the applicant does not have academic or professional qualifications).

Credit recognition

Previous study is assessed at the time of application to determine whether completed study satisfies course completion requirements.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or two-and-a-half-year, part-time basis.

Course structure

The course comprises 72 credit points, made up of five core subjects and three elective/sub-major subjects. Students may select subjects beyond the lists of elective subjects with the approval of the graduate adviser. Not all subjects are available each semester.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

CBK90828	Electives/Sub-major (Non-fiction Writing)	24cp
STM90556	Core subjects (Non-fiction Writing Project)	24cp
STM90557	Core subjects (Non-fiction Writing)	24cp
		Total 72cp

Course program

Example programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

57031	Non-fiction Writing	8cp
57061	Issues in Documentary	8cp
Select 8 credit points of electives		8cp

Spring semester

57162	Memory and Life Writing	8cp
57163	Non-fiction Project Development	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57164	Non-fiction Writing Project	16cp
Select 8 credit points of electives		8cp

Spring commencing, full time

Year 1

Spring semester

57031	Non-fiction Writing	8cp
57162	Memory and Life Writing	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57061	Issues in Documentary	8cp
57163	Non-fiction Project Development	8cp
Select 8 credit points of electives		8cp

Spring semester

57164	Non-fiction Writing Project	16cp
Select 8 credit points of electives		8cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Autumn commencing, part time

Year 1

Autumn semester

57031	Non-fiction Writing	8cp
57061	Issues in Documentary	8cp

Spring semester

57162	Memory and Life Writing	8cp

Select 8 credit points of electives 8cp

Year 2

Autumn semester

Select 16 credit points of electives 16cp

Spring semester

57163	Non-fiction Project Development	8cp

Year 3

Autumn semester

57164	Non-fiction Writing Project	16cp

Spring commencing, part time

Year 1

Spring semester

57031	Non-fiction Writing	8cp
57162	Memory and Life Writing	8cp

Year 2

Autumn semester

57061	Issues in Documentary	8cp

Select 8 credit points of electives 8cp

Spring semester

57163	Non-fiction Project Development	8cp

Select 8 credit points of electives 8cp

Year 3

Autumn semester

57164	Non-fiction Writing Project	16cp

Spring semester

Select 8 credit points of electives 8cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04245v1 Master of Arts in Teaching English to Speakers of Other Languages

Award(s): Master of Arts in Teaching English to Speakers of Other Languages (MA)
UAC code: 940224 (CSP) (Autumn semester), 940225 (PDFP) (Autumn semester, Spring semester), 940226 (qualified teachers only distance CSP) (Autumn semester), 940227 (qualified teachers only distance PDFP) (Autumn semester, Spring semester)
CRICOS code: 071629G
Commonwealth-supported place?: Yes
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

UTS is a leading provider of postgraduate language and literacy courses, with academics who are published authors and internationally recognised experts in the field. This course meets the professional development needs of a wide range of English language teachers in Australia or internationally; teaching children, teenagers or adults. It caters to those seeking an initial teaching qualification in teaching English to adult speakers of other languages. It is also well suited to applicants who already possess a teaching qualification and wish to gain a specialist degree in the field as they are eligible for credit recognition. The course consists of subjects that equip teachers with skills and in-depth knowledge in the areas of teaching practice, pedagogical grammars, global Englishes, discourse analysis, phonology and pronunciation, language teaching technologies, language development, language for specific purposes and more.

This course is designed for those who wish to pursue a specialist area and to understand in more detail the theoretical basis of TESOL practice. The course is tailored to cater to the needs of participants who as yet have no teaching experience, as well as to the needs of participants with experience but no recognised initial teaching qualification. The subjects are designed for those with teacher qualifications and experience, particularly in the field of TESOL. The course features flexible study options with classes held at times suitable for full-time workers. Students who receive a minimum of 24 credit points of credit recognition may complete the course by distance, but only if relevant distance subjects are selected.

The course explicitly meets the needs of students and educators in the following contexts:

- working with migrants and Indigenous students across all levels of education
- teachers wishing to change discipline areas
- teaching English in countries outside of Australia
- international students wishing to study TESOL at master's level.

Course aims

The course aims to produce TESOL teachers who are knowledgeable, reflective and engaging in their practice, have well developed interpersonal skills, are keen to put current developments in learning and teaching into practice, and have a commitment to lifelong learning.

Career options

Career options include a teacher of English as a second language in Australia or a teacher of English in overseas contexts (applicants are advised to check with potential employing bodies regarding employment requirements).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local applicants apply through the Universities Admissions Centre.

Credit recognition

Graduates of the Graduate Certificate in Teaching English to Speakers of Other Languages (C11223) (see page 515), or equivalent teaching qualification (such as a primary or secondary school teaching qualification or an adult education teaching qualification), are eligible for 24 credit points of credit recognition.

Graduates of the Graduate Diploma in Teaching English to Speakers of Other Languages (C07118) (see page 471), or equivalent postgraduate teaching qualification, are eligible for 48 credit points of credit recognition.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis.

Students who receive a minimum of 24 credit points of credit recognition may complete the course by distance, but only if relevant distance subjects are selected.

The subjects in STM90529 are run in standard weekly mode for TESOL students, except for 010071 Professional Practice 2 Language Literacy and Numeracy, which is run in block mode.

Course structure

The course comprises 72 credit points, made up of five compulsory core subjects (totalling 30 credit points) and seven elective subjects (totalling 42 credit points).

Industrial training/professional practice

There is a practicum placement for subjects 010070 Professional Practice 1 Language Literacy and Numeracy and 010071 Professional Practice 2 Language Literacy and Numeracy.

Course completion requirements

013952	Research Perspectives	6cp
CBK90831	Electives (TESOL)	42cp
STM90529	Core subjects (TESOL)	24cp
		Total 72cp

Course program

The following examples show typical full-time and part-time programs for qualified teachers with credit recognition, and without credit recognition for those seeking an initial teaching qualification. Qualified teachers who receive a minimum of 24 credit points of credit recognition may complete the course by distance, but only if relevant distance subjects are selected.

Seeking an initial teaching qualification (no credit recognition), FT

Year 1

Autumn semester

013102	Introduction to Language	6cp
013958	Language Teaching Methodology	6cp
010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp

Spring semester

Select 24 credit points of electives	24cp

Year 2

Autumn semester

013952	Research Perspectives	6cp
Select 18 credit points of electives		18cp

Teaching qualification graduates with credit recognition, FT

Year 1

Autumn semester

013952	Research Perspectives	6cp
Select 18 credit points of electives		18cp

Spring semester

Select 24 credit points of electives	24cp

Seeking an initial teaching qualification (no credit recognition), PT

Year 1

Autumn semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013958	Language Teaching Methodology	6cp

Spring semester

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp

Year 2

Autumn semester

Select 12 credit points of electives	12cp

Spring semester

Select 12 credit points of electives	12cp

Year 3

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points of electives		6cp

Spring semester

Select 12 credit points of electives	12cp

Teaching qualification graduates with credit recognition, PT

Year 1

Autumn semester

Select 12 credit points of electives	12cp

Spring semester

Select 12 credit points of electives	12cp

Year 2

Autumn semester

013952	Research Perspectives	6cp
Select 6 credit points of electives		6cp

Spring semester

Select 12 credit points of electives	12cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Teaching English to Speakers of Other Languages (C11223) (see page 515), the Graduate Diploma in Teaching English to Speakers of Other Languages (C07118) (see page 471) and the Master of Arts in Teaching English to Speakers of Other Languages.

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C04246v1 Master of Health Services Management and Planning

Award(s): Master of Health Services Management and Planning (MHSMPlan)
UAC code: 940811 (Autumn semester, Spring semester)
CRICOS code: 071627K
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Note(s)

This course offers a mid-year intake for local and international students.

Overview

This is a comprehensive course in health services planning and management and aims to expand students' knowledge and future career opportunities. The course develops students' knowledge and skills, which leads to an enhanced capacity to plan and manage health services in a diverse range of health settings.

Graduates of this course are exposed to academic and industry leaders who share their experience and knowledge to facilitate insight into the contemporary health service management environment.

Course aims

This course is designed to prepare new, aspiring, and middle health service planners and managers to assume a leadership role in the strategic and operational management of a wide range of health services and facilities. The content aims to develop skills in planning and evaluating health services, understanding health needs, and managing people, resources, systems and processes within health services to meet the changing needs of communities, clinicians, governments and organisations.

Career options

Career options include positions as managers and/or planners in health authorities, hospitals, primary and community care, aged care services and other healthcare facilities in the public, private, not-for-profit, government and non-government health sectors.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

This evidence may include extensive relevant work experience in a health or human services field.

Applicants must have at least one year's full-time equivalent experience in a medium to large organisation, preferably in the health or human services area. Work experience undertaken in small work settings (e.g. private practice settings with a small number of professionals) or as part of intern requirements are not accepted.

Applicants who do not have an undergraduate degree but who have extensive relevant work experience in a health or human services field and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is two years of full-time or four years of part-time study.

Subjects are offered via on-campus study. Part-time students usually study two subjects a semester and full-time students usually study four subjects a semester.

Course structure

Students must complete a total of 96 credit points, comprising 14 core subjects offered by UTS: Health and UTS: Business and two electives offered by UTS: Health and UTS: Design, Architecture and Building. Students who wish to undertake an elective that is not listed should seek advice from UTS: Health.

Course completion requirements

CBK90397	Electives	12cp
STM90535	Core subjects (Health Services Management and Planning)	66cp
STM90713	Core subjects (HSM)	18cp
		Total 96cp

Course program

Example programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

92887	Organisational Management in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

21720	Human Resource Management	6cp
92297	Health Systems and Change	6cp
92296	Epidemiology and Population Health	6cp
92946	Project Part A	6cp

Year 2

Autumn semester

26703	Introductory Health Economics	6cp
92050	Policy, Power and Politics in Health Care	6cp
92847	Planning and Evaluating Health Services	6cp
Select 6 credit points from the following options:		6cp
CBK90397	Electives	12cp

Spring semester

15315	Project Management Principles	6cp
23787	Health Technology Assessment	6cp
92295	Advanced Health Services Planning	6cp
Select 6 credit points from the following options:		6cp
CBK90397	Electives	12cp

Spring commencing, full time

Year 1

Spring semester

92917	Using Health Care Data for Decision Making	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp
92638	Foundations of the Australian Healthcare System	6cp

Year 2

Autumn semester

92296	Epidemiology and Population Health	6cp
92847	Planning and Evaluating Health Services	6cp
21720	Human Resource Management	6cp
92946	Project Part A	6cp

Spring semester

92050	Policy, Power and Politics in Health Care	6cp
23787	Health Technology Assessment	6cp
92295	Advanced Health Services Planning	6cp
Select 6 credit points from the following options:		6cp
CBK90396	Electives	12cp

Year 3

Autumn semester

92297	Health Systems and Change	6cp
26703	Introductory Health Economics	6cp
15315	Project Management Principles	6cp
Select 6 credit points from the following options:		6cp
CBK90396	Electives	12cp

Autumn commencing, part time

Year 1

Autumn semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Year 2

Autumn semester

92296	Epidemiology and Population Health	6cp
92297	Health Systems and Change	6cp

Spring semester

21720	Human Resource Management	6cp
92946	Project Part A	6cp

Year 3

Autumn semester

92050	Policy, Power and Politics in Health Care	6cp
92847	Planning and Evaluating Health Services	6cp

Spring semester

92295	Advanced Health Services Planning	6cp

Select 6 credit points from the following options: 6cp

CBK90397	Electives	12cp

Year 4

Autumn semester

26703	Introductory Health Economics	6cp

Select 6 credit points from the following options: 6cp

CBK90397	Electives	12cp

Spring semester

15315	Project Management Principles	6cp
23787	Health Technology Assessment	6cp

Spring commencing, part time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Year 2

Autumn semester

92887	Organisational Management in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp

Spring semester

92296	Epidemiology and Population Health	6cp
92297	Health Systems and Change	6cp

Year 3

Autumn semester

21720	Human Resource Management	6cp
26703	Introductory Health Economics	6cp

Spring semester

23787	Health Technology Assessment	6cp
92847	Planning and Evaluating Health Services	6cp

Year 4

Autumn semester

92050	Policy, Power and Politics in Health Care	6cp
92946	Project Part A	6cp

Spring semester

92295	Advanced Health Services Planning	6cp

Select 6 credit points from the following options: 6cp

CBK90397	Electives	12cp

Year 5

Autumn semester

15315	Project Management Principles	6cp

Select 6 credit points from the following options: 6cp

CBK90397	Electives	12cp

Professional recognition

Australasian College of Health Service Management (ACHSM)

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Dr Jennifer Bichel-Findlay

Course Coordinator

email Jennifer.Bichel-Findlay@uts.edu.au

www.health.uts.edu.au

C04247v1 Master of Midwifery

Award(s): Master of Midwifery (MMid)
Master of Midwifery in Health Research (MMid)
CRICOS code: Pending
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Note(s)

Students admitted to the Master of Midwifery (Conversion) before 2011 should refer to the course entry in the 2010 handbook.

This course is not offered in 2014 for new admissions.

This course is not offered to international students.

Overview

This course aims to provide registered midwives with an opportunity to develop both their practice and professional roles and to develop the skills, attitudes and knowledge to meet the developing role of a midwife. In addition, the course aims to provide students with an avenue through which to further their clinical, research, teaching, leadership and/or management roles. The course is designed to offer students the opportunity to customise their program to meet personal learning needs or workplace requirements.

The course enhances the professional development of the midwife through the investigation of varied theoretical perspectives pertinent to midwifery issues. Students develop a complex understanding of issues related to interdisciplinary collaboration in the development of maternity services, and engage in critical thinking in order to inform clinical judgment and decision-making within the midwifery context of woman-centred practice. Recognising and building on extensive midwifery practice, the course prepares students as scholars, leaders and change agents within midwifery.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a midwife in Australia.

Registered midwives who have completed a certificate in midwifery leading to registration as a midwife or completed a graduate diploma in midwifery or equivalent leading to registration as a midwife are also considered eligible.

Where large numbers of applicants are eligible for admission to any of the faculty's courses and places are limited, preference is given on the basis of:

- general educational qualifications
- previous academic grades, and
- CV which demonstrates professional experience and activities, e.g. post-registration certificates and scholarly activities such as research and publications.

Applicants to the Master of Midwifery in Health Research must have completed four subjects (24 credit points) at the postgraduate level (excluding the core subjects in the Health Research major).

Students' current midwifery registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students who hold an existing Graduate Diploma in Midwifery are eligible to apply for credit recognition in the form of exemptions from four specified subjects (24 credit points).

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or three-year, part-time basis.

Course completion requirements

Select 72 credit points from the following options:			72cp
STM90530	Level 1 subjects (Midwifery)	24cp	
STM90531	Level 2 subjects (Midwifery)	24cp	
STM90532	Level 3 subjects (Midwifery)	24cp	
MAJ06215	Health Research	72cp	
		Total	72cp

Course program

An example course program is shown below.

Autumn commencing, part time

Year 1

Autumn semester

92020	Midwifery in Context	6cp
92927	Evidence-based Practice (Midwifery)	6cp

Spring semester

92021	Perinatal Mental Health	6cp
92620	Family and Community Health Practice	6cp

Year 2

Autumn semester

92925	Models of Midwifery Care	6cp
92050	Policy, Power and Politics in Health Care	6cp

Spring semester

92018	Building Resilience in Mothers and Midwives	6cp
92612	Research in Health	6cp

Year 3

Autumn semester

92946	Project Part A		6cp
Select 6 credit points from the following options:			6cp
CBK90903	Electives (Midwifery)	6cp	

Spring semester

92938	Midwifery Practice Development		6cp
Select 6 credit points from the following options:			6cp
CBK90904	Electives (Midwifery)	12cp	

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Christine Catling-Paull

Course coordinator

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www.health.uts.edu.au

C04248v1 Master of Media Arts and Production

Award(s): Master of Media Arts and Production (MMAP)
UAC code: 940503 (Autumn semester, Spring semester)
CRICOS code: 032718G
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

This course is designed for graduates in media production, or those with significant experience in the field, to allow them to advance their skills and theoretical understanding of the consumption and production of media products. The course further develops professional, specialised skills and knowledge in at least one area of media production: digital media, sound, interaction and moving image. With guidance from faculty experts, students can also create a major piece of production work in film, video, sound, radio, digital media, performance or installation.

Course aims

This course aims to provide students with the opportunity to develop advanced production and conceptual skills in media production. Through the research and production of a creative project, students increase their capacity for developing independent, creative and innovative projects. The course gives students the option to experience the creative and technical development of a significant production, or to focus their skills in one key area of the media industries.

Career options

Career options include taking part in a creative team as writer, producer, director, or working in particular roles in production and post-production of moving image, sound, digital media and interaction. Graduates have the capacity and experience to develop, initiate and produce their own media projects.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have successfully completed the graduate certificate or the graduate diploma in the articulated program are eligible for credit recognition for completed subjects.

Course duration and attendance

The course is one-and-a-half years of full-time or two-and-a-half years of part-time study.

Course structure

Students complete 72 credit points of study made up of three core subjects and six elective/sub-major subjects.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

CBK90800	Electives/Sub-major (MAP)	48cp
STM90555	Core subjects (Media Arts and Production)	24cp
		Total 72cp

Course program

Below are examples of typical programs for full- and part-time students. Students can choose to complete core subjects and elective/sub-major subjects in any order, however, prerequisites may apply.

Students considering enrolling in the Journalism or Screenwriting sub-major should commence their sub-major as soon as possible or in their second semester, so as to satisfy all prerequisite requirements and to complete on time.

Autumn commencing, full time

Year 1

Autumn semester

57167	Moving Image	8cp
57989	Mise-en-Scene	8cp
57168	Sound and Interaction	8cp

Spring semester

Select 24 credit points of electives	24cp

Year 2

Autumn semester

Select 24 credit points of electives	24cp

Autumn commencing, part time

Year 1

Autumn semester

57167	Moving Image	8cp
57989	Mise-en-Scene	8cp

Spring semester

Select 8 credit points of electives	8cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
Select 8 credit points of electives		8cp

Spring semester

Select 8 credit points of electives	8cp

Year 3

Autumn semester

Select 16 credit points of electives	16cp

Spring semester

Select 8 credit points of electives	8cp

Spring commencing, full time

Year 1

Spring semester

57167	Moving Image	8cp
Select 16 credit points of electives		16cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp
Select 8 credit points of electives		8cp

Spring semester

Select 24 credit points of electives	24cp

Spring commencing, part time

Year 1

Spring semester

57167	Moving Image	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp

Spring semester

Select 8 credit points of electives	8cp

Year 3

Autumn semester

Select 16 credit points of electives	16cp

Spring semester

Select 8 credit points of electives	8cp

Year 4

Autumn semester

Select 8 credit points of electives	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Media Arts and Production (C11227) (see page 517), the Graduate Diploma in Media Arts and Production (C07120) (see page 473) and the Master of Media Arts and Production.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04249v1 Master of Arts in Training and Human Resource Development

Award(s): Master of Arts (MA)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: Hong Kong

Note(s)

This course is only offered offshore. It is available in Hong Kong. The language of tuition is English.

This is an offshore course offered in Hong Kong. Students wanting to study in Australia should apply for the equivalent onshore course, the Master of Arts (C04231) (see page 398).

Overview

This course is intended for those who wish to develop their knowledge and competence in the theory and practice of management and leadership in international training and educational resources.

This course has been designed to meet the educational needs of training professionals and human resource development managers. The subjects are drawn from the general masters-level subject bank and have been selected to offer a specific focus on human resource development. Students study the same core subjects as students enrolled in the Master of Arts (no specified major) (C04231) (see page 398). It is ideally suited to those seeking a qualification for strategic positions in learning and development units, human resource management, vocational and workplace policy, organisational learning areas, and those who are responsible for leading and facilitating formal and informal learning in the workplace.

Course aims

This course aims to:

- provide opportunities for participants to relate new knowledge and skills to their own practice
- promote the notion of the reflective practitioner, i.e. educate participants to critically examine and learn from their professional experience and that of others
- develop strategic ways of analysing practice situations, modes of analysis and research which account for the complexity of HRD practices and reveal ways of working within that complexity

- enable students to consolidate or extend their specialist professional competence as practitioners in fields of practice relating to human resources development
- strengthen students' understanding of the relevant theoretical underpinning, particularly in relation to knowledge about adult learning and development
- enable students to apply new understandings about training, leadership and management to their own professional practice.

Career options

Career options include educational and training leadership roles in various capacities, such as policy making, research, consulting, planning, curriculum development, and management in teaching and learning organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants previous qualifications should be in a related field of study.

In addition to the English language requirements detailed below, other acceptable equivalent English language qualifications as approved by UTS Academic Board, are, for example, the successful completion of a UTS recognised course that was taught in English and was equivalent to at least one full time or full time study or evidence of successful completion of a diploma or advanced diploma from TAFE and other private colleges recognised by UTS; or completion of a UTS recognised foundation program with a pass in a unit of study in English for Academic Purposes with a duration of at least one semester.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course duration is four semesters of full-time or six semesters of part-time study.

Course structure

This degree is awarded on completion of eight 6-credit-point subjects. All subjects are offered in face-to-face mode and delivered through a combination of intensive weekend seminars, study group meetings, self-directed study and online distance support.

Course completion requirements

STM90645	Core subjects	12cp
STM90773	Training and Human Resource Development	36cp
		Total 48cp

Course program

A typical course program is shown below.

Year 1

May to July semester

013162	Organisational Learning	6cp
013122	Understanding Adult Education and Training	6cp

August to October semester

013142	Adult Learning and Program Development	6cp
013120	The Psychology of Adult Development	6cp

Year 2

May to July semester

013136	Developing People and Teams	6cp
013165	Leading Learning in the Workplace	6cp

August to October semester

013951	Learning and Change	6cp
013952	Research Perspectives	6cp

Professional recognition

This course is accredited by the Hong Kong Education Board.

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C04250v2 Juris Doctor Master of Business Administration

Award(s): Master of Business Administration (MBA)
Juris Doctor (JD)
UAC code: 940436 (Autumn semester, Spring semester, Summer session)
CRICOS code: 074765J
Commonwealth-supported place?: No
Load credit points: 192
Course EFTSL: 4
Location: City campus

Overview

The Juris Doctor Master of Business Administration (JDMBA) is a graduate law and business degree that builds on the established reputations of UTS: Law and the UTS Business School to provide high-calibre, graduate-level education in the theory and practice of the law and business. It is specifically designed for graduates of disciplines other than law.

This course provides students with an integrated exposure to professional practice in both legal and business contexts.

Career options

Career options include, but are not limited to, lawyer within a private firm, government department or community law centre, regulatory affairs and policy adviser in the public or private sector or legal specialisation related to students' previous degree or enhanced career options within an existing professional sphere.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in a discipline other than law or a law qualification from an overseas jurisdiction. Admission is at the discretion of the associate dean (teaching and learning), Faculty of Law.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time study. Subjects may also be available in Summer session.

Course structure

The course comprises a total of 192 credit points. The study components for course completion are as follows:

- 96 credit points of compulsory core law subjects (13 subjects)
- 48 credit points of compulsory core business subjects (eight subjects)

- 18 credit points of law options (three subjects)
- a 6-credit-point legal theory option (one subject)
- 24 credit points of business law sub-major subjects (four subjects).

Industrial training/professional practice

To practise as a lawyer in NSW, students need to successfully complete an accredited legal qualification and an accredited course of practical legal training (PLT), which UTS offers through its PLT program.

Students enrolled in the Juris Doctor Master of Business Administration who wish to practise as lawyers in NSW can complete the requirements by undertaking a PLT program, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90742	Core stream	96cp
STM90345	Core subjects	48cp
SMJ09059	Business Law	24cp
CBK90921	Options (Legal Theory PG)	6cp
CBK90949	Options	18cp
		Total 192cp

Course program

Students in the standard full-time program enrol in between 24 and 26 credit points a semester. Core subjects are timetabled every semester. The introductory core law subject 70102 Foundations of Law and select core subjects may be timetabled in Summer session. Optional subjects are regularly timetabled but not all options are offered in any one semester. Optional subjects are timetabled subject to sufficient student interest. The current timetable can be found at:

http://timetable.uts.edu.au

Example full-time programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
21878	Organisational Dialogue: Theory and Practice	6cp
21800	Management and Organisations	6cp

Spring semester

25742	Financial Management	6cp
70114	Criminal Law and Procedure	8cp
70311	Torts	8cp

Year 2

Autumn semester

22747	Accounting for Managerial Decisions	6cp
70211	Contracts	8cp
70616	Australian Constitutional Law	8cp

Spring semester

23706	Economics for Management	6cp
24734	Marketing Management	6cp
70327	Commercial Law	6cp
70104	Civil Practice	6cp

Year 3

Autumn semester

21844	Managing Work and People	6cp
21715	Strategic Management	6cp
71116	Remedies	6cp
70317	Real Property	8cp

Spring semester

70109	Evidence	6cp
70617	Administrative Law	8cp
70517	Equity and Trusts	8cp

Year 4

Autumn semester

70107	Principles of Company Law	8cp
70106	Principles of Public International Law	6cp

Select 12 credit points from the following options: 12cp

SMJ09059	Business Law	24cp

Spring semester

Select three subjects from the following: 18cp

CBK90949	Options	18cp

Select one subject from the following: 6cp

78210	Law and Literature	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78238	History and Theory of Intellectual Property	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp

Spring commencing, full time

Year 1

Spring semester

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
21878	Organisational Dialogue: Theory and Practice	6cp
21800	Management and Organisations	6cp

Year 2

Autumn semester

25742	Financial Management	6cp
70114	Criminal Law and Procedure	8cp
70311	Torts	8cp

Spring semester

22747	Accounting for Managerial Decisions	6cp
70211	Contracts	8cp
70616	Australian Constitutional Law	8cp

Year 3

Autumn semester

23706	Economics for Management	6cp
24734	Marketing Management	6cp
70327	Commercial Law	6cp
70104	Civil Practice	6cp

Spring semester

21844	Managing Work and People	6cp
21715	Strategic Management	6cp
71116	Remedies	6cp
70317	Real Property	8cp

Year 4

Autumn semester

70109	Evidence	6cp
70617	Administrative Law	8cp
70517	Equity and Trusts	8cp

Spring semester

70107	Principles of Company Law	8cp
70106	Principles of Public International Law	6cp

Select 12 credit points from the following options: 12cp

SMJ09059	Business Law	24cp

Year 5

Autumn semester

Select one subject from the following: 6cp

78210	Law and Literature	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78238	History and Theory of Intellectual Property	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp

Select three subjects from the following: 18cp

CBK90949	Options	18cp

Levels of award

The Juris Doctor component of the JD MBA may be awarded with honours. An additional year of study is not required. To qualify for honours, a student must complete 77740 Research Paper within

CBK90949 Options. The rules governing the Juris Doctor with honours (current and pre-2012) can be found in Postgraduate course information (see page 101) in the handbook. Consult the Coursework research page on the UTS: Law website for information on how to apply to enrol.

Articulation with UTS courses

Students who completed postgraduate electives as part of their Juris Doctor (C04236) (see page 405) candidature may apply to have credit towards the Juris Doctor Master of Business Administration (C04250) (see page 425).

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04251v1 Master of Intellectual Property

Award(s): Master of Intellectual Property (MIP)
UAC code: 940433 (distance) (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

UTS has established expertise in and a reputation for providing courses relevant to the needs of the patent and trade mark professions. The UTS Master of Intellectual Property is the first at an Australian university that fulfils the entire educational requirements for registration as a registered trade marks attorney and patent attorney in Australia under the relevant regulations.

The unique feature of this course is that it may be undertaken entirely online, removing the need for students to attend face-to-face classes.

Course aims

This course provides graduates with an understanding of the principles of the registered trade mark system, the protection of unregistered marks and related forms of protection against misleading or unfair trading conduct in Australia. In addition, graduates understand the content and implication of a patent specification, enabling them to advise upon possible questions of infringement, validity and compliance.

Career options

Depending on the subjects taken, graduates may seek registration as a trade mark attorney and/or patent attorney in Australia. Arts administrators or media professionals may enhance career options through building expertise in the commercialisation or management of intellectual property assets. Other career options include patent and trade marks attorney, IP lawyer, IP portfolio manager, policy maker and government regulator.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications can be in any discipline. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

UTS may grant successful applicants advanced standing or exemption from one or more subjects but the Professional Standards Board for Patent and Trade Marks Attorneys (PSB) has no authority to recognise, for the purpose of registration as a patent attorney or trade marks attorney, such exemptions. Students intending to seek registration need to seek exemption from the PSB. Exemptions are generally not granted for subjects not primarily directed to Australian law. Further information is available from:

The Secretary

Professional Standards Board for Patent and Trade Marks Attorneys

PO Box 200

Woden ACT 2606

telephone +61 2 6283 2345

fax +61 2 6285 1048

email mail.psb@ipaustralia.gov.au

www.psb.gov.au

Course duration and attendance

The course can be completed in one-and-a-half years of full-time study or two-and-a-half years of part-time study.

Most subjects within this course can be studied by distance online and require no on-campus attendance. All lectures, tutorials, course materials and assessments are distributed by a combination of web-based technology and electronic media. Students conduct all communication with the lecturer by electronic means. A number of subjects are concurrently offered in traditional face-to-face, on-campus format.

Course completion requirements

CBK90711 Choice	48cp
	Total 48cp

Articulation with UTS courses

Subjects undertaken within the Graduate Certificate in Trade Mark Law and Practice (C11130) (see page 497), Graduate Certificate in Intellectual Property (C11229) (see page 518) and Graduate Diploma in Intellectual Property (C06099) (see page 447) are recognised within the Master of Intellectual Property. Students enrolled in either graduate certificate may apply to internally transfer to the master's program. Candidates are not awarded the graduate certificate but subjects undertaken are applied towards the master's program.

Professional recognition

The educational requirements for registration as a patent attorney and trade marks attorney in Australia with the Australian Government's Professional Standards Board for Patent and Trade Marks Attorneys can be fulfilled by completing this course. Prospective students should check with the Patent Attorney Registration Board for specific subjects required to be completed for registration at:

www.psb.gov.au/attorney-registration/registration-requirements/knowledge-requirements

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04252v1 Master of Pharmacy

Award(s): Master of Pharmacy (MPharm)
UAC code: 940900 (Autumn semester)
CRICOS code: 074915M
Commonwealth-supported place?: Yes
Load credit points: 120
Course EFTSL: 2.5
Location: City campus

Overview

This course is a focused, professional postgraduate degree leading to eligibility for registration as a pharmacist. The core component provides students with the required detailed knowledge, skills and experience to achieve this. Elective subjects provide students with the opportunity to tailor their study to their individual career focus. The course incorporates a range of subjects relevant to contemporary pharmacy practice, including professional services, integrated therapeutics and the pharmaceutical sciences. Students undertake clinical practice in a variety of settings throughout the degree.

The course is delivered in an integrated, practice-oriented and student-focused manner, making use of innovative technologies and strong links with the pharmacy profession. After successful completion of this course and a subsequent pre-registration period, students are eligible for registration as a pharmacist.

This course is for students who have completed an undergraduate science or related bachelor's degree and wish to enter the healthcare profession as a pharmacist. This degree not only provides candidates with the knowledge, skills and experience necessary to gain registration, but also prepares them for expanded practice in emerging professional environments, and within changing medical, social, political and regulatory contexts. Candidates have the opportunity to develop leadership skills, gain experience with emerging technologies, and learn from internationally recognised researchers and teachers.

Career options

Career options for registered pharmacists include areas such as: community pharmacy; hospital pharmacy; research and development; the pharmaceutical industry; consultancy; education; government and policy; the armed forces; and non-profit organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Entry is competitive and applicants are assessed on their grade point average (GPA). As a guide, in 2013 the entry GPA was a credit result. The GPA is calculated based on the latest three-year (full-time) or equivalent academic record.

Applicants must have also completed the following at a tertiary level:

- two pharmacology subjects
- two chemistry subjects
- one biochemistry subject
- one human physiology subject, and
- one mathematics or statistics subject.

A human biology and/or microbiology subject is also desirable.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.5 overall with a 7.0 in each subtest; or TOEFL: paper based: 610-633 overall with TWE of 5.0, internet based: 102-109 overall with a score of 24 for reading and listening, 23 for speaking and 27 for writing; PTE: 73-78 overall with a 65 in each subtest; or CAE: 74-79

Eligibility for admission does not guarantee offer of a place.

International students

Upon graduation, international students intending to apply for provisional registration with the Pharmacy Board of Australia must meet the Pharmacy English Language Skills Registration Standard.

For further information, refer to the following standards:

- Pharmacy English Language Skills Registration Standard
- Pharmacy Implementation of the English Language Skills Registration Standard.

These are available for download at:

www.pharmacyboard.gov.au/Registration-Standards.aspx

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Shortlisted applicants who meet the entry requirements receive a conditional offer and are required to sit an interview.

International students

International students should apply via UTS: International.

Course duration and attendance

The course is an intensive two-year, full-time degree which is equivalent to a three-year degree. In addition to coursework during semesters, students are required to undertake weekly clinical placements during semester and block clinical placements during mid-semester breaks.

Course structure

This course comprises a total of 120 credit points. Students undertake a total of 16 6-credit-point subjects and three clinical subjects (two 6-credit-point subjects and one 12-credit-point subject).

Course completion requirements

STM90755	Core stream	108cp
CBK90641	Electives	12cp
		Total 120cp

Course program

A typical course program is provided below.

Year 1

Autumn semester

96001	Introduction to Pharmacy	6cp
96002	Concepts in Pharmaceutical Sciences	6cp
96003	Pharmaceutics	6cp
96004	Professional Services 1	6cp
96015	Clinical Practice 1	6cp

Spring semester

96005	Professional Services 2	6cp
96006	Integrated Therapeutics 1	6cp
96007	Drug Disposition	6cp
96008	Evidence Based Practice	6cp
96016	Clinical Practice 2	12cp

Year 2

Autumn semester

96009	Professional Services 3	6cp
96010	Integrated Therapeutics 2	6cp
96011	Primary Health Care	6cp
96017	Clinical Practice 3	6cp
Select 6 credit points of electives		6cp

Spring semester

96012	Professional Services 4	6cp
96013	Integrated Therapeutics 3	6cp
96014	Molecule to Market	6cp
Select 6 credit points of electives		6cp

Professional recognition

Completion of this course followed by a compulsory pre-registration training period and Intern Training Program leads to eligibility for registration with the Pharmacy Board of Australia.

Other information

Register to attend an information session.

For other further information, contact UTS: Pharmacy:

email pharmacy@uts.edu.au

www.pharmacy.uts.edu.au

C04254v1 Master of Arts in Communication Management

Award(s): Master of Arts in Communication Management (MA)
UAC code: 940509 (Autumn semester, Spring semester)
CRICOS code: 018985F
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Overview

The Master of Arts in Communication Management provides advanced contemporary study and practice in professional communication management. It is suitable for current and aspiring practitioners who want to attain the relevant expertise to achieve their career goals. Students can major in the areas of Public Relations, Integrated Communication, or Organisational Change and Communication. Alternatively, students can elect to complete generalist studies which provide a foundation for the broad field of communication management practice.

Academic staff involved in the course have substantial industry experience and have undertaken research in the field.

Course aims

Graduates of this course have:

- advanced understanding of communication and its management
- the ability to synthesise communication theory and practice
- the ability to analyse, design, cost and evaluate a communication strategy
- a sensitivity to ethical and legal issues related to communication
- a capacity to reflect on the roles and responsibilities of communicators
- the capacity to apply perspectives that are intercultural and global, and
- a sensitivity to issues of exclusion, equity and justice.

A full list of the graduate attributes of the course is available from UTS: Communication.

Career options

Career options cover the fields of public relations and communication management, including those positions related to communication advising, community relations, corporate communication, integrated communication, internal communication, international communication, media liaison or public affairs.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have successfully completed the Graduate Diploma in Communication Management (C06105) (see page 452), Graduate Diploma in Public Relations (C06103) (see page 451), Graduate Diploma in Integrated Communication (C06101) (see page 448), or the Graduate Diploma in Organisational Change and Communication (C06102) (see page 450) are eligible for credit recognition for completed subjects.

Students who have graduated with a Bachelor of Arts in Communication (Public Communication) (C10248) (see page 266) may be granted up to one third of the postgraduate course in credit recognition. Other relevant qualifications are considered on a case-by-case basis.

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or equivalent part-time basis.

Course structure

The course totals 72 credit points of study made up of three core foundation subjects (24 credit points), two core master's subjects (16 credit points), a major choice (24 credit points) and an elective (8 credit points).

Students can choose one of three majors, each consisting of three compulsory 8-credit-point subjects, or select No specified major for the generalist course.

The No specified major option includes two compulsory 8-credit-point subjects and an 8-credit-point elective.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90751	Core foundation subjects	24cp
STM90769	Core masters subjects	16cp
CBK90849	Major choice	24cp
CBK90848	Elective	8cp
		Total 72cp

Course program

Typical course programs are shown below for both full-time and part-time students, commencing in both Autumn and Spring semesters.

Public Relations major - Autumn commencing, full time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57132	Media Relations	8cp

Spring semester

57026	Strategic Communication and Negotiation	8cp
57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57024	Managing Public Communication Strategies	8cp
Select 8 credit points from the following options:		8cp
CBK90848	Elective	8cp

Public Relations major - Spring commencing, full time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57026	Strategic Communication and Negotiation	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57024	Managing Public Communication Strategies	8cp
57132	Media Relations	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp
Select 8 credit points from the following options:		8cp
CBK90848	Elective	8cp

Public Relations major - Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

Select one of the following: 8cp

57024	Managing Public Communication Strategies	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

57132	Media Relations	8cp

Select 8 credit points from the following options: 8cp

57028	Research for Communication Professionals	8cp
57024	Managing Public Communication Strategies	8cp
CBK90848	Elective	8cp

Spring semester

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
57026	Strategic Communication and Negotiation	8cp
CBK90848	Elective	8cp

Year 3

Autumn semester

Select 8 credit points from the following options: 8cp

57028	Research for Communication Professionals	8cp
CBK90848	Elective	8cp

Spring semester

57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

57026	Strategic Communication and Negotiation	8cp
CBK90848	Elective	8cp

Public Relations major - Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

Select 8 credit points from the following options: 8cp

57132	Media Relations	8cp
57028	Research for Communication Professionals	8cp
CBK90848	Elective	8cp

Spring semester

57025	Intercultural and International Communication	8cp

Select 8 credit points from the following options: 8cp

57026	Strategic Communication and Negotiation	8cp
57024	Managing Public Communication Strategies	8cp

Year 3

Autumn semester

Select 8 credit points from the following options: 8cp

57132	Media Relations	8cp
57028	Research for Communication Professionals	8cp
CBK90848	Elective	8cp

Spring semester

57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

57026	Strategic Communication and Negotiation	8cp
57024	Managing Public Communication Strategies	8cp

Year 4

Autumn semester

Select 8 credit points from the following options: 8cp

57132	Media Relations	8cp
57028	Research for Communication Professionals	8cp
CBK90848	Elective	8cp

Organisational Change and Communication - Autumn commencing, full time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57035	Organisational Change and Communication	8cp

Spring semester

57995	Learning in Organisations	8cp
57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57994	Managing Organisational Communication	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Organisational Change and Communication - Spring commencing, full time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57035	Organisational Change and Communication	8cp
57994	Managing Organisational Communication	8cp

Spring semester

57995	Learning in Organisations	8cp
57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Organisational Change and Communication - Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

Select one of the following: 8cp

57995	Learning in Organisations	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

57035	Organisational Change and Communication	8cp

Select 8 credit points from the following options: 8cp

57028	Research for Communication Professionals	8cp
CBK90848	Elective	8cp

Spring semester

Select one of the following: 8cp

57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp

Year 3

Autumn semester

57994	Managing Organisational Communication	8cp

Select 8 credit points from the following options: 8cp

57028	Research for Communication Professionals	8cp
CBK90848	Elective	8cp

Spring semester

Select 8 credit points from the following options: 8cp

57182	Rethinking Media	8cp
CBK90848	Elective	8cp

Organisational Change and Communication - Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

Select one of the following: 8cp

57035	Organisational Change and Communication	8cp
57028	Research for Communication Professionals	8cp

Spring semester

57995	Learning in Organisations	8cp

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
CBK90848	Elective	8cp

Year 3

Autumn semester

Select 8 credit points from the following options: 8cp

57028	Research for Communication Professionals	8cp
57035	Organisational Change and Communication	8cp
CBK90848	Elective	8cp

Spring semester

57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
CBK90848	Elective	8cp

Year 4

Autumn semester

57994	Managing Organisational Communication	8cp

Integrated Communication major - Autumn commencing, full time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57996	Marketing and Corporate Communication	8cp

Spring semester

57131	Inventive Media Advertising	8cp
57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57132	Media Relations	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Integrated Communication major - Spring commencing, full time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57131	Inventive Media Advertising	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57132	Media Relations	8cp
57996	Marketing and Corporate Communication	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Integrated Communication major - Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

Select one of the following: 8cp

57131	Inventive Media Advertising	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

Select one of the following: 8cp

57028	Research for Communication Professionals	8cp
57132	Media Relations	8cp
57996	Marketing and Corporate Communication	8cp

Spring semester

Select one of the following: 8cp

57025	Intercultural and International Communication	8cp
57131	Inventive Media Advertising	8cp

Year 3

Autumn semester

Select one of the following: 8cp

57132	Media Relations	8cp
57028	Research for Communication Professionals	8cp

Spring semester

57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Integrated Communication major - Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

Select one of the following: 8cp

57996	Marketing and Corporate Communication	8cp
57028	Research for Communication Professionals	8cp
57132	Media Relations	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57131	Inventive Media Advertising	8cp

Year 3

Autumn semester

Select one of the following: 8cp

57132	Media Relations	8cp
57028	Research for Communication Professionals	8cp
57996	Marketing and Corporate Communication	8cp

Spring semester

57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Year 4

Autumn semester

Select 8 credit points from the following options: 8cp

57028	Research for Communication Professionals	8cp
57996	Marketing and Corporate Communication	8cp
57132	Media Relations	8cp

No specified major - Autumn commencing, full time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Select one of the following: 8cp

57028	Research for Communication Professionals	8cp
57035	Organisational Change and Communication	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

57024	Managing Public Communication Strategies	8cp
CBK90848	Elective	8cp

Year 2

Autumn semester

Select one of the following: 8cp

57035	Organisational Change and Communication	8cp
57028	Research for Communication Professionals	8cp

Select 16 credit points from the following options: 16cp

57024	Managing Public Communication Strategies	8cp
CBK90848	Elective	8cp

No specified major - Spring commencing, full time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
CBK90848	Elective	8cp

Year 2

Autumn semester

57028	Research for Communication Professionals	8cp
57035	Organisational Change and Communication	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Spring semester

57182	Rethinking Media	8cp
57024	Managing Public Communication Strategies	8cp

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
CBK90848	Elective	8cp

No specified major - Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

57024	Managing Public Communication Strategies	8cp

Year 2

Autumn semester

Select one of the following: 8cp

57028	Research for Communication Professionals	8cp
57035	Organisational Change and Communication	8cp

Spring semester

57025	Intercultural and International Communication	8cp

Select 8 credit points from the following options: 8cp

57182	Rethinking Media	8cp
CBK90848	Elective	8cp

Year 3

Autumn semester

Select one of the following: 8cp

57035	Organisational Change and Communication	8cp
57028	Research for Communication Professionals	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Spring semester

Select 8 credit points from the following options: 8cp

57182	Rethinking Media	8cp
CBK90848	Elective	8cp

No specified major - Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57024	Managing Public Communication Strategies	8cp

Spring semester

57025	Intercultural and International Communication	8cp

Year 3

Autumn semester

Select one of the following: 8cp

57035	Organisational Change and Communication	8cp
57028	Research for Communication Professionals	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Spring semester

57182	Rethinking Media	8cp

Select 8 credit points from the following options: 8cp

CBK90848	Elective	8cp

Year 4

Autumn semester

Select 8 credit points from the following options:			8cp
57035	Organisational Change and Communication	8cp	
57028	Research for Communication Professionals	8cp	
CBK90848	Elective	8cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Master of Arts in Communication Management, Graduate Diploma in Communication Management (C06105) (see page 452), Graduate Diploma in Public Relations (C06103) (see page 451), Graduate Diploma in Integrated Communication (C06101) (see page 448), and the Graduate Diploma in Organisational Change and Communication (C06102) (see page 450).

Professional recognition

Courses in the postgraduate program in Communication Management at UTS have been accredited with the Public Relations Institute of Australia (PRIA) for over 20 years. The Master of Arts in Communication Management is accredited with PRIA and graduates have an accelerated path to professional membership.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C04257v1 Master of Local Government

Award(s): Master of Local Government (MLG)
CRICOS code: Pending
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5

Note(s)

This course is not offered to international students.

Overview

The Master of Local Government provides professionals, managers and leaders in local government with an advanced body of knowledge and skills to reflect critically on theory and practice. This enables them to apply this knowledge in their roles in strategic thinking, planning and shaping local communities.

This course provides an interdisciplinary program with teaching, learning, research and development activities ranging across and beyond the faculty. It is informed by the research and capacity building activities of both the UTS Centre for Local Government and the Australian Centre of Excellence for Local Government. An education program is developed to match the requirements of each participant's individual requirements, and subjects can be studied in the workplace, through intensive block release, or in some cases through online delivery mode. The program provides graduates with an evidence-based learning approach to build a high level of influence and leadership in their local government workplace.

Course aims

Graduates of this course have a sound understanding of current issues faced in the local government environment, as well as an ability to relate this knowledge back to their own workplace. They have enhanced knowledge and skills in various technical aspects of local government practice, as well as an understanding of the theoretical background of leadership, management and organisational principles. Graduates also gain learning skills that allow them to continue their own professional development through short courses or further academic study.

Career options

Graduates are able to progress their careers as managers and leaders in councils.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course, applicants must have completed a graduate certificate or a graduate diploma or a similar level of qualification in local government. Applicants who do not possess such graduate qualifications must have sufficient professional experience in local government and must demonstrate evidence of meeting AQF Level 7 learning outcomes in local government.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students who have completed relevant previous studies may apply to the course coordinator for credit recognition.

Course duration and attendance

The course is offered on a three-year, part-time basis with students undertaking one or two subjects a semester.

Course structure

Students must complete 72 credit points made up of 36 credit points of core subjects and 36 credit points of electives.

Course completion requirements

STM90795	Core subjects	36cp
CBK90877	Options	36cp
		Total 72cp

Articulation with UTS courses

This course is part of an articulated program of study. Students can exit this course after completing:

- 24 credit points of specified subjects with a Graduate Certificate in Local Government Management (C11053) (see page 487)
- 48 credit points of specified subjects with a Graduate Diploma in Local Government Management (C06033) (see page 440).

Other information

Further information is available from the Centre for Local Government:

Gabrielle Watterson

Graduate Programs Officer

telephone +61 2 9514 1659

fax +61 2 9514 2274

email Gabrielle.Watterson@uts.edu.au

www.clg.uts.edu.au

C04258v1 Master of Business in Finance Extended

Award(s): Master of Business in Finance (MBus)
CRICOS code: 077375K
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2

Overview

The Master of Business in Finance provides a comprehensive range of skills and expertise expected of leading practitioners in the banking and finance sectors.

The finance program provides participants with the opportunity to acquire knowledge of finance theory and techniques for leading-edge professional practice purposes. The additional elective subject choices provide an opportunity to specialise more deeply in the finance discipline and to further enhance students' skills, professional practice, specialist knowledge and capabilities.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applicants with a relevant graduate certificate must have completed it with at least a credit average.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course is two years of full-time or four years of part-time study.

Course structure

The course comprises 96 credit points, made up of eleven core subjects (totalling 66 credit points) plus elective subjects (totalling 30 credit points).

Course completion requirements

21878	Organisational Dialogue: Theory and Practice	6cp
25705	Financial Modelling and Forecasting	6cp
25741	Capital Markets	6cp
25721	Investment Management	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
25765	Corporate Finance	6cp
25731	International Finance	6cp
25743	Corporate Financial Analysis	6cp
25751	Financial Institution Management	6cp
CBK90884	Electives (Finance Extended)	30cp
		Total 96cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Finance (C11027) (see page 479), the Graduate Diploma in Finance (C07021) (see page 458) and the Master of Business in Finance (C04048) (see page 359).

Professional recognition

This course covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered. Completion of the course meets the education requirements of membership at the level of Certified Finance and Treasury Professional (CFTP). It also meets the educational requirements at the level of Senior Associate (SA Fin), in conjunction with work experience, at the Financial Services Institute of Australasia (FINSIA). The course has also been awarded postgraduate partnership status by CFA Institute (USA). The curriculum is closely tied to global professional practice and is well suited to students preparing to sit for CFA® (Chartered Financial Analyst®) program examinations.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04259v1 Master of Business in Management Extended

Award(s): Master of Business in Management (MBus)
CRICOS code: 077377G
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

The Master of Business in Management provides knowledge, skills and conceptual frameworks to enable students to identify and resolve complex issues that will characterise the working environments of senior managers in the future. Students acquire the conceptual and analytical skills necessary for successful management performance in a range of contexts, including the business, public and non-profit sectors, and a variety of professional settings.

The course provides students with knowledge and experiences to enhance their professional skills and understanding of the management of people, resources and organisational processes. An innovative, flexible structure provides students with maximum choice in selecting subjects and programs of study tailored to meet their personal and professional needs.

The additional elective subject choices provide an opportunity to specialise more deeply in the management discipline and to further enhance students' skills, professional practice, specialist knowledge and capabilities.

Course aims

The Master of Business in Management is designed to meet the needs of individuals, client organisations and professional bodies for management education.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in two years of full-time or four years of part-time study.

Course structure

The course totals 96 credit points and consists of a combination of core and elective subjects.

Course completion requirements

21878	Organisational Dialogue: Theory and Practice	6cp
21779	Management Skills	6cp
21827	Change Management	6cp
21717	International Management	6cp
21844	Managing Work and People	6cp
21720	Human Resource Management	6cp
21741	Managing Operations	6cp
21800	Management and Organisations	6cp
21832	Managing for Sustainability	6cp
21811	Global Strategic Management	6cp
CBK90885	Major/Electives (Business Management)	36cp
		Total 96cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Management (C11021) (see page 478), the Graduate Diploma in Management (C07018) (see page 456) and the Master of Business in Management.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04260v1 Master of Business in Human Resource Management Extended

Award(s): Master of Business in Human Resource Management (MBus)
CRICOS code: 077380B
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

The Master of Business in Human Resource Management provides students with the in-depth knowledge and skills necessary to contribute at a senior level to their organisation's human resources and industrial relations functions.

The course is designed primarily for individuals who are currently employed, or show the potential for employment, at senior policy-making levels in the fields of human resource management, industrial relations, occupational health and affirmative action.

The additional elective subject choices provide an opportunity to specialise more deeply in the human resource management discipline and to further enhance students' skills, professional practice, specialist knowledge and capabilities.

Course aims

The course aims to provide leading-edge conceptual and practical understandings of human resource management in complex and unfamiliar workplace situations in order to facilitate management decision making.

Career options

Career options include positions in change management and general management, human resources, and organisational training and development.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in two years of full-time or four years of part-time study.

Course structure

The course totals 96 credit points and consists of a combination of core and elective subjects.

Course completion requirements

21878	Organisational Dialogue: Theory and Practice	6cp
21779	Management Skills	6cp
21720	Human Resource Management	6cp
21844	Managing Work and People	6cp
21800	Management and Organisations	6cp
21827	Change Management	6cp
21833	International Human Resources Management	6cp
21702	Industrial Relations	6cp
21760	Performance and Talent Management	6cp
21724	Strategic Human Resource Management	6cp
CBK90888	Electives (HRM Extended)	36cp
		Total 96cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Human Resource Management (C11198) (see page 504), the Graduate Diploma in Human Resource Management (C07113) (see page 470) and the Master of Business in Human Resource Management.

Professional recognition

Students completing this degree are eligible to apply to the Australian Human Resources Institute (AHRI) for the Professional Member (MAHRI) status and/or advancement to a higher level of membership for those who have appropriate work experience.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04261v1 Master of Business in Marketing Extended

Award(s): Master of Business in Marketing (MBus)
CRICOS code: 077379F
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

The Master of Business in Marketing provides the opportunity for students to extend their knowledge in the areas of communications, sales management, the development and introduction of new products, business-to-business marketing, technology and marketing, as well as the legal constraints on and the ethical implications of marketing in Australia.

The marketing program provides contemporary theoretical marketing knowledge and the practical skills required for superior performance in Australian and international markets. The additional elective subject choices provide an opportunity to specialise more deeply in the marketing discipline and to further enhance students' skills, professional practice, specialist knowledge and capabilities.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants with a relevant graduate certificate must have completed it with at least a credit average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of eight subject exemptions, of which four core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course is two years of full-time or four years of part-time study.

Course structure

The course totals 96 credit points and consists of a combination of core subjects, specialised streams and elective subjects.

Course completion requirements

21878	Organisational Dialogue: Theory and Practice	6cp
24730	Marketing Strategy	6cp
24710	Buyer Behaviour	6cp
24734	Marketing Management	6cp
24720	Marketing Research	6cp
24790	Business Project: Marketing	6cp
CBK90635	Marketing streams	24cp
CBK90889	Electives (Marketing Extended)	36cp
		Total 96cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Marketing (C11039) (see page 481), the Graduate Diploma in Marketing (C07031) (see page 461) and the Master of Business in Marketing (C04067) (see page 361).

Professional recognition

Completion of this course meets the educational requirements for Professional Postgraduate Diploma in Marketing entry point to the Chartered Institute of Marketing (CIM).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C04262v1 Master of Arts in International Studies

Award(s): Master of Arts in International Studies (MAInternationalStudies)
UAC code: 940527 (Autumn semester)
CRICOS code: 043443F
Commonwealth-supported place?: No
Load credit points: 72
Course EFTSL: 1.5
Location: City campus

Note(s)

Students intending to complete the Master of Arts in International Studies are encouraged to enrol directly into this program rather than enrolling initially in the graduate diploma and transferring to this course. This assists students and UTS: International Studies with planning an appropriate sequence of subjects.

The in-country study component of this course has a higher subject fee. Refer to the fees calculator for details at:

www.sau.uts.edu.au/fees/calculators.html

Overview

The Master of Arts in International Studies is part of an articulated program of study in which students develop or enhance their knowledge of the language and culture of a country chosen from the range offered in the international studies program.

This course enables students from any disciplinary background to study a language and culture other than English and thus add an international dimension to their qualification. Students have the opportunity to spend a semester at a partner university in their country of study.

Course aims

The program aims to enable students to communicate competently in the language of their specialisation, learn about contemporary society in their chosen country of study, develop intercultural sensitivity, critically reflect on ethical issues in international research, and learn and apply a variety of interdisciplinary skills and knowledge to research contemporary issues and trends in international studies through a capstone in-country study experience.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

A minimum of two years' language study at an approved tertiary institution is recommended, but not required. Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have successfully completed the Graduate Diploma in International Studies (C06106) (see page 453) are eligible for credit recognition for completed subjects (48 credit points).

Course duration and attendance

The course is offered on a one-and-a-half-year, full-time or equivalent part-time basis.

Note: international students in Australia on a student visa are required to undertake full-time (FT) study as a condition of their visa.

Course structure

The course totals 72 credit points of study and focuses on developing or extending students' experience of language and culture. There are three compulsory components: a country major choice block which includes two semesters of study of a language and culture other than English, a contemporary society subject, and one semester studying overseas; the Research in International Studies subject; and two elective subjects.

Students can focus on one of the following countries or majors: Argentina, Canada (Québec), Chile, China, Colombia, France, Germany, Italy, Japan, Latino USA, Mexico, Spain or Switzerland.

Students may select subjects beyond the lists of elective subjects with the approval of the graduate adviser. Not all subjects are available each semester.

Full-time students undertake 24 credit points a semester. Part-time students should undertake 16 credit points a semester.

Overseas study

Students may spend a semester overseas at an institution of higher education in the country of their language and culture major. The cost of travel between Sydney and the student's place of study overseas are paid by UTS. Visa fees are also paid by UTS and students are covered by the UTS Overseas Insurance Policy. Students must pay the costs of accommodation and other living expenses during the period of in-country study.

Course completion requirements

CBK90893	Major choice	48cp
979508	Research in International Studies	8cp
CBK90900	Electives (International Studies)	16cp
		Total 72cp

Course program

The example programs below show subject choices for the German Language and Culture option. Students undertaking one of the other language options undertake a similar sequence of subjects.

The part-time program shows the three compulsory subjects (i.e. two language and culture subjects and International Studies Research Seminar) and, as electives, a further two language and culture subjects plus Contemporary Germany.

Autumn commencing, full time

Year 1

Autumn semester

979508	Research in International Studies	8cp
97601	German Language and Culture 1	8cp
Select 8 credit points of electives		8cp

Spring semester

97602	German Language and Culture 2	8cp
979514	Contemporary Germany	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

978138	In-country Study: Germany	24cp

Autumn commencing, part time

Year 1

Autumn semester

979508	Research in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

97602	German Language and Culture 2	8cp

Year 2

Autumn semester

97603	German Language and Culture 3	8cp

Spring semester

979514	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp

Year 3

Autumn semester

978138	In-country Study: Germany	24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in International Studies (C06106) (see page 453) and the Master of Arts in International Studies.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C04266v1 Master of Animation

Award(s): Master of Animation (in name of major) (MAnim)
UAC code: 940109 (Autumn semester, Spring semester)
CRICOS code: 079734J
Commonwealth-supported place?: No
Load credit points: 96
Course EFTSL: 2
Location: City campus

Overview

This course is designed and developed for film and television graphic artists, special effects engineers, computer and simulator game designers, traditional and experimental animators, and visual designers. It combines coursework, research and project work in traditional film animation, 2D and 3D digital animation, game design, motion capture and other specialised areas of animation studies. The course offers a depth of research and innovation through concentrated specialisation in animation or game design.

The course involves a cross-disciplinary study of animation offered by three course areas: Information Technology, Communication, and Design, Architecture and Building. It reflects their teaching strengths in digital design, animation, programming and production. It is the first postgraduate course in Australia to offer a master's rather than a major in animation.

Course aims

The course comprises a combination of coursework, research and project work. Coursework areas include traditional film animation, 2D and 3D digital animation, graphic visualisation, object-oriented programming and animation studies, culminating in the production of a short animated work. Animation production is undertaken as project work in the final semester and provides an opportunity for students to explore an area of particular interest or professional benefit. This may be undertaken as individual work or as part of a collaborative team.

Career options

Career options include positions in animation, including animation for web, architecture and character design; computer game software design; experimental animation; feature film production; film and television graphics; special effects; and storyboard design.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in an area of animation, design, media studies, production, information technology or visual arts. Applicants must also have a demonstrated interest in animation design, animation studies or animation production. Applicants with considerable professional experience but without formal qualifications may be admitted to the course on the basis of their professional experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying

on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applicants must submit:

- a showreel of one or more animated/moving image works not longer than 10 minutes in total viewing time that demonstrates their capabilities in animation and/or video/film. The showreel should be on DVD (able to play in all regions) and in an accessible file format, e.g. QuickTime/AVI or Flash (.swf only). Alternatively, showreels viewable as a linked URL are also accepted. Applicants should include a list of the works and a brief synopsis (not more that 50 words each) for each work/sequence. If applicants worked collaboratively on the works/sequences, they should indicate their role in the creation of the work/sequence.
- a print portfolio of images that demonstrates other aspects of their ideas and skills for animation and filmmaking. It may include drawings, illustrations, storyboards, the design of 3D objects and visualisations, photomedia, scripts, and other forms of visual expression that explore the moving image. The portfolio should consist of a maximum of 10 pages in either A4 printed form or as an Adobe PDF Portfolio placed onto the showreel disc or linked to the URL.
- a CV clearly articulating their design-related experience, with a personal statement that should be a maximum of 300 words and must address the reasons for wishing to undertake a Master of Animation, in either printed form, or as an Adobe PDF file placed onto the showreel disc or linked to the URL.

Course duration and attendance

The course may be completed in two years of full-time or equivalent part-time study.

Course structure

The course comprises 96 credit points of study, made up of:

- 4 x 6-credit-point introductory subjects (totalling 24 credit points) to be completed prior to entry into the first of the studio major subjects
- 30 credit points of core subjects, 24 credit points of project subjects and 18 credit points from an approved program of elective subjects.

Each student is assisted by the course coordinator to develop a pattern of study best suited to their needs.

Course completion requirements

CBK90935	Animation Essentials choice	18cp
CBK90936	Animation Studio major choice	36cp
CBK90937	Animation Studio Support choice	18cp
CBK90925	Options (Animation)	24cp
		Total 96cp

Course program

The following example shows a typical full-time program.

Year 1

Autumn semester

89210	Animation Fundamentals	6cp
32543	3D Animation	6cp
57108	Film Animation	6cp
89200	Graphic Visualisation	6cp

Spring semester

89991	Animation Project A	12cp
57130	Animation Concepts Seminar	6cp
Select 6 credit points from the following options:		6cp
CBK90925	Options (Animation)	24cp

Year 2

Autumn semester

89992	Animation Project B	12cp
89211	Narrative Writing for Animation	6cp
Select 6 credit points from the following options:		6cp
CBK90925	Options (Animation)	24cp

Spring semester

89215	Animation Design Final Studio	12cp
Select 12 credit points from the following options:		12cp
CBK90925	Options (Animation)	24cp

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C06006v4 Graduate Diploma in Property Development

Award(s): Graduate Diploma in Property Development (GradDipProDev)
UAC code: 940101 (Autumn semester, Spring semester)
CRICOS code: 066575D
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Property Development is designed for both property practitioners and graduates in other fields who wish to extend their qualifications and expertise in property development and management. Graduates have a commitment to professionalism in the property sector.

This course is for property professionals who want to upgrade their qualifications or expertise, or for those who wish to enter the property industry. Property development and planning students study a common first year, which develops an understanding of how to balance private and public interests in urban development.

Course aims

This course is focused on development and delivered with a practical focus. It provides a thorough and advanced grounding in all aspects of the property development process, markets and institutions, including the political, managerial, legal and physical systems which contribute to the effective management and development of property assets, property investment portfolios and development proposals. It is designed to provide valuers and other property practitioners with opportunities to enhance their qualifications and expertise, and provide professionals from other fields with an understanding of property development and investment issues and techniques.

Career options

Career options include positions in banking and government instrumentalities, finance, management and development, and property investment.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Admission is at the discretion of the course director. If applicants are not graduates from the UTS Graduate Certificate in Property and Planning (C11001) (see page 475), they must possess an advanced diploma in valuation or equivalent qualification. Applicants may also be required to provide proof of professional experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is one year of full-time or two years of part-time study.

All subjects are offered in intensive blocks. The attendance pattern for each subject is generally two separate two-and-a-half-day blocks, usually held over a Thursday evening, Friday and Saturday.

Course structure

Students must achieve a total of 48 credit points, comprising 36 credit points of core subjects and 12 credit points of electives. With the approval of the director of program, students may substitute one subject with any other postgraduate property subject.

Course completion requirements

STM90502	Core subjects (Property and Planning)	24cp
STM90706	Core subjects (Property)	12cp
CBK90377	Property options (PG)	12cp
		Total 48cp

Course program

The example programs below are for a student undertaking the course full time and commencing in either Autumn or Spring semesters.

Full time, Autumn commencing

Year 1

Autumn semester

15142	Property Development Process		6cp
Select one of the following:			6cp
12535	Development Feasibility and Valuation	6cp	
15222	Urban Design	6cp	
15146	Sustainable Urban Development		6cp
17700	Planning and Environmental Law		6cp

Spring semester

12518	Property Transactions		6cp
15143	Group Project A: Urban Renewal		6cp
Select 12 credit points from the following options:			12cp
12515	Strategic Asset Management	6cp	
17553	Construction Cost Planning	6cp	
17704	Property Development Finance	6cp	
17772	Commercial Retail Property Management	6cp	
17774	Green Building Evaluation	6cp	
12535	Development Feasibility and Valuation	6cp	

Full time, Spring commencing

Year 1

Spring semester

15142	Property Development Process		6cp
Select one of the following:			6cp
12535	Development Feasibility and Valuation	6cp	
15222	Urban Design	6cp	
15146	Sustainable Urban Development		6cp
17700	Planning and Environmental Law		6cp

Year 2

Autumn semester

12518	Property Transactions		6cp
15143	Group Project A: Urban Renewal		6cp
Select 12 credit points from the following options:			12cp
12515	Strategic Asset Management	6cp	
171200	Conservation and Heritage	6cp	
17703	Property Taxation	6cp	
12535	Development Feasibility and Valuation	6cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Property and Planning (C11001) (see page 475), the Graduate Diploma in Property Development and the Master of Property Development (C04008) (see page 354).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C06009v7 Graduate Diploma in Business Administration

Award(s): Graduate Diploma in Business Administration (GradDipBusAdmin)
CRICOS code: 001102G
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Business Administration provides a basis for the development of a career in management for graduates who have not previously undertaken an administrative studies degree course.

Course aims

General management skills are developed to provide expertise in strategic thinking, critical analysis, developing and implementing business plans, decision-making under uncertainty, understanding organisational dynamics, effective communication and promoting change.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions in the Graduate Diploma in Business Administration, of which two core subjects can be approved from prior undergraduate study.

Course duration and attendance

The course duration is one year of full-time or two years of part-time study.

Course structure

The course comprises seven of the core Master of Business Administration subjects, plus one elective, totalling 48 credit points of study.

Course completion requirements

23706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
24734	Marketing Management	6cp
25742	Financial Management	6cp
21800	Management and Organisations	6cp
21844	Managing Work and People	6cp
21878	Organisational Dialogue: Theory and Practice	6cp

Select 6 credit points from the following options: 6cp

CBK90474	Elective	6cp
		Total 48cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Business Administration (C11008) (see page 476), the Graduate Diploma in Business Administration, and the Master of Business Administration (C04018) (see page 355).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C06017v6 Graduate Diploma in Event Management

Award(s): Graduate Diploma in Event Management (GradDipEM)
CRICOS code: 046112A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus, although some subjects may be available at Kuring-gai campus.

Overview

The Graduate Diploma in Event Management is designed to develop high-level management skills and knowledge sufficient to allow students to manage or play a significant role in the management of large-scale events.

The course enhances students' professional competence, personal development and ability to engage in critical thinking by offering a combination of core subjects associated with the areas of event creation, management, marketing and accounting.

Course aims

The aim of the course is to develop knowledge, understanding and professional management skills relevant to the organisation, planning, marketing and operation of various forms of events in both Australian and international contexts.

Career options

Career options include festival organiser, conference organiser/meeting planner, charity event coordinator, sport event manager, hotel/resort/cruise ship event coordinator, exhibition organiser, venue manager and event creative director.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The equivalent qualification required is a bachelor's degree in any discipline or satisfactory completion of a relevant graduate certificate.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions in the Graduate Diploma in Event Management, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course duration is one year of full-time or two years of part-time study.

The Event Management program is offered at City campus, although some subjects may are offered at Kuring-gai campus. Some subjects may be offered in intensive mode.

Course structure

The course comprises 48 credit points, consisting of eight core subjects.

Course completion requirements

27727	Event Creation Workshop	6cp
27765	Event Management	6cp
21751	Management Research Methods	6cp
22747	Accounting for Managerial Decisions	6cp
27726	Event Concepts and Contexts	6cp
27737	Event Risk Management	6cp
27717	Venue and Facility Management	6cp
27734	Marketing for the Experience Industries	6cp
		Total 48cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Event Management (C11038) (see page 481), the Graduate Diploma in Event Management, and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C06033v4 Graduate Diploma in Local Government Management

Award(s): Graduate Diploma in Local Government Management (GradDipLGM)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is not offered to international students.

Overview

Today's local government manager must have a high level of professional expertise together with a broad range of managerial skills and a sound understanding of the special characteristics of local government. This course is tailored to the local government environment, allowing managers to meet their differing professional needs while keeping up-to-date with the latest issues.

The course offers the opportunity to build an education program that responds to individual needs as it allows students to develop a study plan that matches the requirements of their professional development. Subjects can be studied in the workplace, through intensive block release or, in some cases, at a university or college closer to home. The program can also be used as a stepping stone to a Master of Local Government (C04257) (see page 433).

Course aims

The course aims to provide students with knowledge, skills and competencies in the principles and practices of local government management, with particular reference to their own organisation. Through the course, students have access to a combination of both general and specialist study units via a range of flexible delivery modes. Students develop the learning skills that allow them to continue their own professional development through short courses or further academic study.

Career options

Career options include local government manager in councils.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Enrolment is also available to people who do not have a degree but who can demonstrate substantial relevant work experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students who have completed relevant previous studies may apply to the course coordinator for credit recognition.

Course duration and attendance

This course is normally offered on a four-year, part-time basis, with students undertaking one subject a semester.

In some circumstances, students may complete two subjects a semester and therefore complete the course in two years.

Course structure

The course totals 48 credit points, made up of eight subjects.

Course completion requirements

STM90714	Core subjects	18cp
CBK90633	Options	30cp
		Total 48cp

Course program

A typical program is shown below.

Select 30 credit points from the following options:			30cp
15602	Social Planning and Development	6cp	
15603	Integrated Strategic Planning	6cp	
15606	Vocational Competencies 1	6cp	
15607	Vocational Competencies 2	6cp	
15609	Local Environmental Management	6cp	
15610	Local Government Leadership: Personal and Professional Skills	6cp	
15618	New Perspectives in Local Government Leadership	6cp	
15608	Corporate Management and Organisational Change		6cp
15611	Managing Local Enterprise		6cp
15604	Local Government Management Principles and Practice 1		6cp

Exit award

Students can exit this course after completing 24 credit points of specified subjects with a Graduate Certificate in Local Government Management (C11053) (see page 487).

Other information

Further information is available from:

Gabrielle Watterson

Administration Officer

telephone +61 2 9514 1659

fax +61 2 9514 2274

email Gabrielle.Watterson@uts.edu.au

www.clg.uts.edu.au

C06037v4 Graduate Diploma in Journalism

Award(s): Graduate Diploma in Journalism (GradDipJournalism)
UAC code: 940501 (Autumn semester, Spring semester)
CRICOS code: 032351A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Journalism is part of an articulated program of study for people who want to start a journalism career and for experienced journalists wanting to broaden their skills and professional technological expertise and refresh the intellectual basis of their practice.

This is the only program of its kind in Sydney, where the Australian media is increasingly concentrating. The journalism staff at UTS has a record of excellence in professional practice reflected in media contacts. In addition, the course has close links with the Australian Centre for Independent Journalism, which provides a professional setting for student work.

Course aims

Graduates of the program:

- have strong research and reporting skills
- have a knowledge and critical understanding of the media
- are equipped with the necessary skills to either enter professional practice in the media or continue with additional skills and intellectual depth
- strive to promote the important role of professional and ethical journalism in the service of the public, and
- have an understanding of the role of the media in local, regional, national and global contexts.

Career options

Career options include reporter or editor in local, corporate, national or international print or broadcast media organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who successfully completed the graduate certificate in the articulated program are eligible for credit recognition for completed subjects.

Course duration and attendance

The course is one year of full-time or one-and-a-half years of part-time study.

Course structure

The course totals 48 credit points of study, made up of 24 credit points of core subjects and 24 credit points of electives.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90818	Core subjects (Journalism)	16cp
CBK90897	Electives (Journalism)	24cp
CBK90899	Choices (Journalism PG)	8cp
		Total 48cp

Course program

Example programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

57011	Research and Reporting for Journalism	8cp
Select one of the following:		8cp
57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp
Select 8 credit points of electives		8cp

Spring semester

57151	Storytelling with Sound and Image	8cp
Select 16 credit points of electives		16cp

Autumn commencing, part time

Year 1

Autumn semester

57011	Research and Reporting for Journalism	8cp
Select one of the following:		8cp
57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp

Spring semester

57151	Storytelling with Sound and Image	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

Select 16 credit points of electives		16cp

Spring commencing, full time

Year 1

Spring semester

57011	Research and Reporting for Journalism	8cp
Select one of the following:		8cp
57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57151	Storytelling with Sound and Image	8cp
Select 16 credit points of electives		16cp

Spring commencing, part time

Year 1

Spring semester

57011	Research and Reporting for Journalism	8cp
Select one of the following:		8cp
57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp

Year 2

Autumn semester

57151	Storytelling with Sound and Image	8cp
Select 8 credit points of electives		8cp

Spring semester

Select 16 credit points of electives		16cp

Articulation with UTS courses

This course forms part of an articulated program comprising the Graduate Certificate in Journalism (C11058) (see page 489), the Graduate Diploma in Journalism and the Master of Arts in Journalism (C04106) (see page 376).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06041v6 Graduate Diploma in Creative Writing

Award(s): Graduate Diploma in Creative Writing (GradDipCreativeWriting)
UAC code: 940513 (Autumn semester, Spring semester)
CRICOS code: 032361K
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Creative Writing is part of an articulated program designed to meet a range of needs for people who want to start a career in writing and for experienced writers wanting to further develop their theoretical knowledge and skills.

Course aims

Students develop:

- both general and specific skills in writing across a range of genres, studying one genre in depth or exploring the potential of a range of genres and media
- an ability to develop and critically revise their own work
- an understanding of the relationships of writing practice and publication across a range of contemporary cultural forms
- a critical knowledge of cultural and aesthetic debates, and
- an ability to think creatively and critically about, and contribute to, developments in cultural industries.

Career options

Career options include advertising, computing, freelance writing and editing, journalism, media research, publishing, scriptwriting, and editing in community organisations or government departments.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who successfully completed either of the graduate certificates in the articulated program are eligible for credit recognition for completed subjects.

Course duration and attendance

The course duration is one year of full-time or equivalent part-time study.

Course structure

The course totals 48 credit points, consisting of three core subjects and three electives. Students may select subjects beyond the list of elective subjects with the approval of the graduate adviser. Not all subjects are available each semester.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90815	Core subjects	24cp
CBK90528	Electives	24cp
		Total 48cp

Course program

Example programs are given below.

Autumn commencing, part time

Year 1

Autumn semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp

Spring semester

57031	Non-fiction Writing	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

Select 16 credit points of electives	16cp

Spring commencing, part time

Year 1

Spring semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp

Year 2

Autumn semester

57031	Non-fiction Writing	8cp
Select 8 credit points of electives		8cp

Spring semester

Select 16 credit points of electives	16cp

Autumn commencing, full time

Year 1

Autumn semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp
Select 8 credit points of electives		8cp

Spring semester

57031	Non-fiction Writing	8cp
Select 16 credit points of electives		16cp

Spring commencing, full time

Year 1

Spring semester

57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57031	Non-fiction Writing	8cp
Select 16 credit points of electives		16cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Screenwriting (C11066) (see page 490), the Graduate Certificate in Editing and Publishing (C11071) (see page 490), the Graduate Diploma in Creative Writing and the Master of Arts in Creative Writing (C04109) (see page 377). To be eligible to articulate into the Master of Arts in Creative Writing (C04109) (see page 377), students must complete at least two postgraduate writing subjects with a distinction grade or higher.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06058v7 Graduate Diploma in Information Technology

Award(s): Graduate Diploma in Information Technology (GradDipInfTech)
UAC code: 940603 (Autumn semester, Spring semester)
CRICOS code: 001117A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course provides a broad introduction to the fundamental aspects of information technology and is primarily designed for those who have studied little or no IT in their previous degree.

Students gain the necessary knowledge and skills to equip them for a career in IT. As well as gaining a broad foundation, students are able to choose elective subjects from a wide range of options.

Career options

Career options include database manager, e-business developer, information systems manager or systems analyst.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course an equivalent degree can be from any discipline (as applicants for this program may apply as a non-IT graduate or an IT graduate).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Applicants with a recognised bachelor's degree in computing or information technology (or equivalent) may apply for credit recognition equivalent to the 24-credit-point Graduate Certificate in Information Technology (C11142) (see page 499).

Course duration and attendance

The course duration is one year of full-time or two years of part-time study.

Course structure

The course totals 48 credit points of study and consists of five core subjects and 18 credit points of electives selected from a defined list.

Course completion requirements

Select one of the following:			24cp
STM90695	Core subjects	24cp	
CBK90802	Choice	24cp	
CBK90803	Choice		18cp
32144	Technology Research Preparation		6cp
			Total 48cp

Course program

The following three examples show typical full-time programs for non-IT graduates, IT graduates with credit recognition and IT graduates without credit recognition, commencing in Autumn semester. The selection of subjects for part-time students is dependent upon the commencing semester and the availability of evening subject offerings. Part-time students should contact the course coordinator for further information.

Note: Electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Non-IT graduates

Year 1

Autumn semester

32555	Fundamentals of Software Development	6cp
32524	LANS and Routing	6cp
32606	Database	6cp
32144	Technology Research Preparation	6cp

Spring semester

32557	Enabling Enterprise Information Systems	6cp
Select 18 credit points of electives		18cp

IT graduates with credit recognition

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
Select 18 credit points of electives		18cp

IT graduates without credit recognition

Year 1

Autumn semester

32144	Technology Research Preparation	6cp
Select 18 credit points of electives		18cp

Spring semester

Select 24 credit points of electives	24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Information Technology (C11142) (see page 499), the Graduate Diploma in Information Technology, the Master of Information Technology (C04157) (see page 384) and the Master of Information Technology (Extended) (C04218) (see page 391).

Professional recognition

Graduates are eligible for associate-level membership of the Australian Computer Society (ACS).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06060v7 Graduate Diploma in Information Technology Management

Award(s): Graduate Diploma in Information Technology Management (GradDipInfTechM)
UAC code: 940613 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course focuses on the role of technology in the strategic leadership of organisations. It provides a well-balanced selection of subjects, drawn from advanced information technology and business domains, in an integrated program that is relevant to the current and future demands of the IT industry and business organisations.

IT professionals who have aspirations to senior IT roles and/or business leadership positions in organisations benefit from this course. Graduates are able to contribute constructively to the effective utilisation of information technology with respect to the strategic leadership of an organisation. IT managers who already have significant levels of experience are challenged by this course and gain new perspectives on the effective leadership of organisations in the digital era.

Course aims

The course aims to develop:

- the professional skills necessary for successfully undertaking strategic leadership roles in a variety of organisational contexts, and
- a conceptual and analytical understanding of an organisation's needs in a dynamic and challenging global knowledge economy.

Career options

Graduates can be employed in the full range of organisations - private, public and community sector organisations. They can prepare to move from a senior IT management position into the CIO (chief information officer) role.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous bachelor's qualifications must be in information technology or commerce, and applicants must have a minimum of five years' professional work experience in the IT industry plus some supervisory experience. Applicants who have successfully completed the Graduate Certificate in Information Technology Management (C11138) (see page 498) must have passes in all subjects and a credit average over the entire course.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a two-year, part-time basis.

Course structure

Students complete 48 credit points of study, consisting of five core subjects and three electives.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Course completion requirements

32553	Leadership and People Management	6cp
32005	Strategic Leadership for Innovation	6cp
42990	Organisational Design for the Knowledge Era	6cp
CBK90151	Electives (IT Management)	18cp
32561	Managing Organisational Change	6cp
32562	Strategic Business Management	6cp
		Total 48cp

Course program

A typical part-time program for students commencing in Autumn semester is shown below.

Note: Subjects listed as electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources. Students can apply to the course coordinator to enrol in an alternative subject as an elective.

Year 1

Autumn semester

42990	Organisational Design for the Knowledge Era	6cp
32553	Leadership and People Management	6cp

Spring semester

32005	Strategic Leadership for Innovation	6cp
Select 6 credit points of electives		6cp

Year 2

Autumn semester

32561	Managing Organisational Change	6cp
Select 6 credit points of electives		6cp

Spring semester

32562	Strategic Business Management	6cp
Select 6 credit points of electives		6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Information Technology Management (C11138) (see page 498), the Graduate Diploma in Information Technology Management and the Master of Business in Information Technology Management (C04161) (see page 387).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

Ask UTS www.ask.uts.edu.au

C06096v3 Graduate Diploma in Adult Literacy and Numeracy Teaching

Award(s): Graduate Diploma in Adult Literacy and Numeracy Teaching (GradDipAdLitNumTeach)
UAC code: 940248 (CSP) (Autumn semester), 940249 (PDFP) (Autumn semester, Spring semester)
CRICOS code: 058399D
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

UTS is a leading provider of postgraduate language and literacy courses with the longest tradition of adult basic education (ABE) teacher training of any university in NSW.

This course is for people who wish to gain an initial specialist qualification as an adult basic education practitioner. It provides graduates with a widely recognised specialist teaching qualification that enables them to work in the field of adult literacy and numeracy education in both the public and private sectors and registered training organisations. The course includes two practicums and a range of subjects that integrate relevant theoretical perspectives on adult basic education with practical teaching and learning applications.

Course aims

The course aims to provide students with:

- a sound understanding of practices and policies in teaching literacy and numeracy to adults
- up-to-date teaching and learning strategies
- skills in designing, implementing and evaluating a variety of learning activities and curricula, and
- theoretical approaches to literacy and numeracy education.

Career options

Career options include adult basic education practitioner in community colleges, corrective services, AMES, TAFE and public and private adult education institutions that design and deliver programs for adults to learn and build on basic literacy and numeracy skills; provide learner support for students in VET programs; and design and deliver workplace literacy and numeracy programs.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Graduates of the Graduate Certificate in Adult Numeracy Teaching (C11220) (see page 513) are eligible for 24 credit points of credit recognition.

Course duration and attendance

The course can be completed in one year of full-time or two years of part-time study.

Course structure

Students must complete 48 credit points comprising eight core subjects.

Course completion requirements

STM90549	Core subjects (Adult Numeracy Teaching)	24cp
STM90554	Core subjects (Adult Literacy and Numeracy Teaching)	24cp
		Total 48cp

Course program

The full-time and part-time programs are shown below.

Full time

Year 1

Autumn semester

013150	Literacy and Numeracy in and for Work	6cp
010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013141	Language Programming and Assessment	6cp
013831	Maths for Numeracy Teachers	6cp

Spring semester

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013117	Theory and Practice of Literacy	6cp
013971	Teaching and Learning Numeracy	6cp
013096	Grammar and the Construction of Meaning	6cp

Part time

Year 1

Autumn semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013831	Maths for Numeracy Teachers	6cp

Spring semester

013971	Teaching and Learning Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp

Year 2

Autumn semester

013141	Language Programming and Assessment	6cp
013150	Literacy and Numeracy in and for Work	6cp

Spring semester

013096	Grammar and the Construction of Meaning	6cp
013117	Theory and Practice of Literacy	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Adult Numeracy Teaching (C11220) (see page 513) and the Graduate Diploma in Adult Literacy and Numeracy Teaching.

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C06097v1 Graduate Diploma in Mathematics and Statistics for Business and Finance

Award(s): Graduate Diploma in Mathematics and Statistics for Business and Finance (GradDipMathStat)
UAC code: 940741 (Autumn semester, Spring semester)
CRICOS code: 065346C
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

Holders of the UTS Bachelor of Science in Mathematics or Bachelor of Science in Statistics degree or equivalent are not eligible for admission to this course. Instead, they should consider the Graduate Certificate in Mathematics (C11210) (see page 509).

Overview

A sound knowledge of mathematical and statistical methods is in ever growing demand in various government organisations, ranging from defence to education, and in such diverse fields as finance and public health, construction industry and agriculture, manufacturing and transportation. Despite the demonstrated and continuing demand for specialists trained in mathematics and statistics, most university graduates do not acquire the required knowledge in their bachelor's degrees.

This course is designed for applicants who need more mathematics and/or statistics in their everyday work or who wish to broaden their career choices.

Course aims

This course aims to provide a solid mathematical and statistical background by means of a flexible study program that can be tailored to suit university graduates who need this knowledge in their work or plan to pursue further studies.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants are expected to have knowledge in mathematics comparable with the following UTS Mathematical Sciences foundation stream subjects:

- 35101 Introduction to Linear Dynamical Systems
- 35102 Introduction to Analysis and Multivariable Calculus
- 35151 Introduction to Statistics.

Applicants who do not satisfy this requirement should instead consider enrolment in the Graduate Certificate in Mathematics (C11210) (see page 509).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students can apply for exemption only from core subjects.

Course duration and attendance

The duration of the course depends on the choice of subjects and their availability. As a guide, minimum full-time attendance is one year of study and part-time attendance is two years of study. Applicants should be aware that subjects may require attendance at daytime classes. The current timetable is available at:

http://timetable.uts.edu.au

Course structure

Students are required to complete 48 credit points, comprising three core subjects and five electives (options). Elective subjects can be chosen from the list of options below but are not limited to it. Any elective which is not in the list of options below must be approved by the course director, postgraduate programs.

Many subjects offered by the Department of Mathematical Science have prerequisites. It is students' responsibility to check that they have the required knowledge specified by these prerequisites. Students are strongly advised not to enrol in any subject if they do not have knowledge equivalent to the subject's prerequisites.

Course completion requirements

35353	Regression Analysis	6cp
35363	Stochastic Models	6cp
35241	Optimisation in Quantitative Management	6cp

Select 30 credit points from the following options: 30cp

35100	Introduction to Sample Surveys	6cp
35111	Applications of Discrete Mathematics	6cp
35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35232	Advanced Calculus	6cp
35252	Mathematical Statistics	6cp
35255	Forensic Statistics	6cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35356	Design and Analysis of Experiments	6cp
35361	Stochastic Processes	6cp
35383	High Performance Computing	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
		Total 48cp

Course program

Three example programs are shown below.

The first program shows full-time attendance for Autumn-commencing students and is recommended for those who are interested in acquiring a solid mathematical background for pursuing a career in finance.

The second program shows full-time attendance for Autumn-commencing students and is recommended for those who need in-depth knowledge in quantitative management.

The third program shows full-time attendance for Autumn-commencing students and is recommended for those who wish to pursue a career in statistics.

Finance, Autumn commencing, full time

Year 1

Autumn semester

35232	Advanced Calculus	6cp
35241	Optimisation in Quantitative Management	6cp
35252	Mathematical Statistics	6cp
35363	Stochastic Models	6cp

Spring semester

35322	Advanced Analysis	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35353	Regression Analysis	6cp
35361	Stochastic Processes	6cp

Quantitative Management, Autumn commencing, full time

Year 1

Autumn semester

35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp

Spring semester

35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35353	Regression Analysis	6cp

Statistics, Autumn commencing, full time

Year 1

Autumn semester

35241	Optimisation in Quantitative Management	6cp
35252	Mathematical Statistics	6cp
35356	Design and Analysis of Experiments	6cp
35363	Stochastic Models	6cp

Spring semester

35100	Introduction to Sample Surveys	6cp
35353	Regression Analysis	6cp
35361	Stochastic Processes	6cp

Select one of the following: 6cp

35393	Seminar (Statistics)	6cp
35355	Quality Control	6cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06099v1 Graduate Diploma in Intellectual Property

Award(s): Graduate Diploma in Intellectual Property (GradDipIP)
UAC code: 940434 (distance) (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 36
Course EFTSL: 0.75
Location: City campus

Overview

UTS has established expertise and a reputation for providing courses relevant to the needs of the patent and trade mark professions. The UTS Intellectual Property program is the first at an Australian university that fulfils the entire educational requirements for registration as a trade marks attorney and patent attorney in Australia under the relevant regulations.

The unique feature of this course is that it may be undertaken entirely online, removing the need for students to attend face-to-face classes.

Course aims

This course provides graduates with an understanding of the principles of the registered trade mark system, the protection of unregistered marks and related forms of protection against misleading or unfair trading conduct in Australia. In addition, graduates understand the content and implication of a patent specification, enabling them to advise upon possible questions of infringement, validity and compliance.

Career options

Depending on the subjects taken, graduates may seek registration as a trade mark attorney and/or patent attorney in Australia. Arts administrators or media professionals may enhance career options through building expertise in the commercialisation or management of intellectual property assets. Other career options include: patent and trade marks attorney, IP lawyer, IP portfolio manager, policy maker and government regulator.

This course enables overseas registered attorneys to undertake the necessary subjects that the Professional Standards Board requires for Australian registration.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications can be in any discipline. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

UTS may grant successful applicants advanced standing or exemption from one or more subjects but the Professional Standards Board for Patent and Trade Marks Attorneys (PSB) has no authority to recognise, for the purpose of registration as a Patent Attorney or Trade Marks Attorney, such exemptions. Students intending to seek registration need to seek exemption from the PSB. Further information is available from:

The Secretary
Professional Standards Board for Patent and Trade Marks Attorneys
PO Box 200
Woden ACT 2606
telephone +61 2 6283 2345
fax +61 2 6285 1048
email mail.psb@ipaustralia.gov.au
www.psb.gov.au

Exemptions are generally not granted for subjects not primarily directed to Australian law.

Course duration and attendance

The course can be completed in one year of full-time or one-and-a-half years of part-time study. Students commencing in Spring semester may require an additional semester to complete the course.

Most subjects within this course can be studied by distance online and require no on-campus attendance. All lectures, tutorials, course materials and assessments are distributed by a combination of web-based technology and electronic media. Students conduct all communication with the lecturer by electronic means. A number of subjects are concurrently offered in traditional face-to-face, on-campus format.

Course structure

The course requires completion of 36 credit points of subjects. Subjects are timetabled annually, but not all subjects are offered every semester. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

CBK90713	Choice	36cp
		Total 36cp

Articulation with UTS courses

Subjects undertaken within the Graduate Certificate in Trade Mark Law and Practice (C11130) (see page 497) or Graduate Certificate in Intellectual Property (C11229) (see page 518) are recognised within the Graduate Diploma in Intellectual Property (C06099) (see page 447). Students enrolled in either graduate certificate may apply to internally transfer to the graduate diploma program. Candidates are not awarded the graduate certificate but subjects undertaken are applied towards the graduate diploma program.

Professional recognition

Subject to final board approval, where applicants have a requisite tertiary qualification as stipulated by the Professional Standards Board for Patent and Trade Marks Attorneys, this course satisfies the educational requirements necessary for registration as a Registered Trade Marks Attorney in Australia.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06100v1 Graduate Diploma in Pharmaceutical Sciences

Award(s): Graduate Diploma in Pharmaceutical Sciences (GradDipPharmSc)
CRICOS code: 075569E
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

Transfer is for students enrolled in the Master of Pharmacy (C04252) (see page 428).

Course completion requirements

96001	Introduction to Pharmacy	6cp
96002	Concepts in Pharmaceutical Sciences	6cp
96003	Pharmaceutics	6cp
96004	Professional Services 1	6cp
96005	Professional Services 2	6cp
96006	Integrated Therapeutics 1	6cp
96007	Drug Disposition	6cp
96008	Evidence Based Practice	6cp
		Total 48cp

Course program

The course program is shown below.

Year 1

Autumn semester

96001	Introduction to Pharmacy	6cp
96002	Concepts in Pharmaceutical Sciences	6cp
96003	Pharmaceutics	6cp
96004	Professional Services 1	6cp

Spring semester

96005	Professional Services 2	6cp
96006	Integrated Therapeutics 1	6cp
96007	Drug Disposition	6cp
96008	Evidence Based Practice	6cp

Exit award

This in an exit-only course for students enrolled in the Master of Pharmacy (C04252) (see page 428). Direct entry is not available.

Other information

For further information, contact UTS: Pharmacy:

email pharmacy@uts.edu.au

www.pharmacy.uts.edu.au

C06101v1 Graduate Diploma in Integrated Communication

Award(s): Graduate Diploma in Integrated Communication (GradDipIntegratedComm)
UAC code: 940537 (Autumn semester, Spring semester)
CRICOS code: 074718E
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

In the Graduate Diploma in Integrated Communication, students develop specialised skills in integrated communication applicable to the private, not-for-profit and public sectors. Students enhance their knowledge of advertising and media relations and explore the relationship between public relations and marketing in integrated communication practice.

This course is suitable for either current practitioners in this field or for those wishing to specialise in this area of practice. Academic staff

involved in the course have substantial industry experience and have undertaken research in the field.

Course aims

Graduates of this course have:

- advanced understanding of communication and its management
- the ability to synthesise communication theory and practice
- the ability to analyse, design, cost and evaluate an integrated communication strategy
- a sensitivity to ethical and legal issues related to communication
- a capacity to reflect on the roles and responsibilities of communicators
- the capacity to apply perspectives that are intercultural and global, and
- a sensitivity to issues of exclusion, equity and justice.

A full list of the graduate attributes of the course is available from UTS: Communication.

Career options

Career options include roles in public relations for the corporate sector, as well as those related to integrated marketing communication, corporate communication, fundraising, international communication, media liaison and public affairs.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have graduated with a UTS Bachelor of Arts in Communication (Public Communication) (C10248) (see page 266) may be granted up to one third of the postgraduate course in credit recognition. Other relevant qualifications are considered on a case-by-case basis.

Course duration and attendance

The course is offered on a one-year, full-time or equivalent part-time basis.

Course structure

This course totals 48 credit points of study consisting of three core foundation subjects (24 credit points) and three core subjects in the Integrated Communication specialisation (24 credit points).

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90751	Core foundation subjects	24cp
STM90750	Integrated Communication	24cp
		Total 48cp

Course program

Typical course programs are shown below for both full-time and part-time students, commencing in both Autumn and Spring semesters.

Autumn commencing, full time

Year 1

Autumn semester

57996	Marketing and Corporate Communication	8cp
57023	Communicating with Publics	8cp
57132	Media Relations	8cp

Spring semester

57131	Inventive Media Advertising	8cp
57025	Intercultural and International Communication	8cp
57022	Foundations of Communication	8cp

Spring commencing, full time

Year 1

Spring semester

57131	Inventive Media Advertising	8cp
57025	Intercultural and International Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57022	Foundations of Communication	8cp
57996	Marketing and Corporate Communication	8cp
57132	Media Relations	8cp

Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

57131	Inventive Media Advertising	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

57132	Media Relations	8cp
57996	Marketing and Corporate Communication	8cp

Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57132	Media Relations	8cp
57996	Marketing and Corporate Communication	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57131	Inventive Media Advertising	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in Integrated Communication, Graduate Diploma in Communication Management (C06105) (see page 452), Graduate Diploma in Public Relations (C06103) (see page 451), Graduate Diploma in Organisational Change and Communication (C06102) (see page 450) and the Master of Arts in Communication Management (C04254) (see page 429).

Professional recognition

Courses in the postgraduate program in Communication Management at UTS have been accredited with the Public Relations Institute of Australia (PRIA) for over 20 years. As this graduate diploma is accredited with the PRIA, graduates have an accelerated path to its professional membership.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06102v1 Graduate Diploma in Organisational Change and Communication

Award(s): Graduate Diploma in Organisational Change and Communication (GradDipOrgChangeComm)
UAC code: 940540 (Autumn semester, Spring semester)
CRICOS code: 074719D
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Organisational Change and Communication develops students' capacities for managing internal communication as organisations initiate and adapt to changes in their environments. Students learn about change communication management, communicating with internal publics such as employees or members, and learning in organisations.

The course is suitable for either current practitioners in this area or for those wishing to specialise in this field of practice. Academic staff involved in the course have substantial industry experience and have undertaken research in the field.

Course aims

Graduates of this course have:

- advanced understanding of communication and its management
- the ability to synthesise communication theory and practice
- the ability to analyse, design, cost and evaluate a communication strategy
- a sensitivity to ethical and legal issues related to communication
- a capacity to reflect on the roles and responsibilities of communicators
- the capacity to apply perspectives that are intercultural and global, and
- a sensitivity to issues of exclusion, equity and justice.

Career options

Career options include roles in communication management, particularly change communication and internal communication. Other roles include public relations managers, community relations, corporate communication and international communication.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have graduated with a UTS Bachelor of Arts in Communication (Public Communication) (C10248) (see page 266) may be granted up to one third of the postgraduate course in credit recognition. Other relevant qualifications are considered on a case-by-case basis.

Course duration and attendance

The course is offered on a one-year, full-time or equivalent part-time basis.

Course structure

This course totals 48 credit points of study consisting of three core foundation subjects (24 credit points) and three core subjects in the Organisational Change and Communication specialisation (24 credit points).

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90751	Core foundation subjects	24cp
STM90749	Organisational Change and Communication	24cp
		Total 48cp

Course program

Typical course programs are shown below for both full-time and part-time students, commencing in both Autumn and Spring semesters.

Autumn commencing, full time

Year 1

Autumn semester

57994	Managing Organisational Communication	8cp
57023	Communicating with Publics	8cp
57035	Organisational Change and Communication	8cp

Spring semester

57995	Learning in Organisations	8cp
57025	Intercultural and International Communication	8cp
57022	Foundations of Communication	8cp

Spring commencing, full time

Year 1

Spring semester

57995	Learning in Organisations	8cp
57025	Intercultural and International Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57994	Managing Organisational Communication	8cp
57022	Foundations of Communication	8cp
57035	Organisational Change and Communication	8cp

Autumn commencing, part time

Year 1

Autumn semester

57035	Organisational Change and Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57022	Foundations of Communication	8cp

Year 2

Autumn semester

57995	Learning in Organisations	8cp
57994	Managing Organisational Communication	8cp

Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57035	Organisational Change and Communication	8cp
57995	Learning in Organisations	8cp

Spring semester

57025	Intercultural and International Communication	8cp

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Year 3

Autumn semester

57994	Managing Organisational Communication	8cp

Articulation with UTS courses

This course is part of an articulated program comprised of the Graduate Diploma in Organisational Change and Communication, Graduate Diploma in Communication Management (C06105) (see page 452), Graduate Diploma in Public Relations (C06103) (see page 451), Graduate Diploma in Integrated Communication (C06101) (see page 448) and the Master of Arts in Communication Management (C04254) (see page 429).

Professional recognition

Courses in the postgraduate program in Communication Management at UTS have been accredited with the Public Relations Institute of Australia (PRIA) for over 20 years. As this graduate diploma is accredited with the PRIA, graduates have an accelerated path to its professional membership.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06103v1 Graduate Diploma in Public Relations

Award(s): Graduate Diploma in Public Relations (GradDipPR)
UAC code: 940534 (Autumn semester, Spring semester)
CRICOS code: 074720M
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Public Relations offers students a professional qualification and scholarly development in essential features of public relations practice; from campaign development to issues management and media relations.

The course is suitable for students early in their careers as communication professionals. Academic staff involved in the course have substantial industry experience and have undertaken research in the field.

Course aims

Graduates of this course have:

- advanced understanding of communication and its management
- the ability to synthesise communication theory and practice
- the ability to analyse, design, cost and evaluate a public relations strategy
- a sensitivity to ethical and legal issues related to communication
- a capacity to reflect on the roles and responsibilities of communicators
- the capacity to apply perspectives that are intercultural and global, and
- a sensitivity to issues of exclusion, equity and justice.

A full list of the graduate attributes of the course is available from UTS: Communication.

Career options

Career options include roles in public relations and communication management, community relations, corporate communication, integrated communication, internal communication, international communication, media liaison, public affairs and positions related to communication advising.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have graduated with a UTS Bachelor of Arts in Communication (Public Communication) (C10248) (see page 266) may be granted up to one third of the postgraduate course in credit recognition. Other relevant qualifications are considered on a case-by-case basis.

Course duration and attendance

The course is offered on a one-year, full-time or equivalent part-time basis.

Course structure

This course totals 48 credit points of study consisting of three core foundation subjects (24 credit points) and three core subjects in the Public Relations specialisation (24 credit points).

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90751	Core foundation subjects	24cp
STM90748	Public Relations	24cp
		Total 48cp

Course program

Typical course programs are shown below for both full-time and part-time students, commencing in both Autumn and Spring semesters.

Autumn commencing, full time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57132	Media Relations	8cp

Spring semester

57026	Strategic Communication and Negotiation	8cp
57025	Intercultural and International Communication	8cp
57024	Managing Public Communication Strategies	8cp

Spring commencing, full time

Year 1

Spring semester

57025	Intercultural and International Communication	8cp
57023	Communicating with Publics	8cp
57026	Strategic Communication and Negotiation	8cp

Year 2

Autumn semester

57022	Foundations of Communication	8cp
57132	Media Relations	8cp
57024	Managing Public Communication Strategies	8cp

Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

57026	Strategic Communication and Negotiation	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

57024	Managing Public Communication Strategies	8cp
57132	Media Relations	8cp

Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57024	Managing Public Communication Strategies	8cp
57025	Intercultural and International Communication	8cp

Spring semester

57026	Strategic Communication and Negotiation	8cp
57132	Media Relations	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in Public Relations, Graduate Diploma in Communication Management (C06105) (see page 452), Graduate Diploma in Integrated Communication (C06101) (see page 448), Graduate Diploma in Organisational Change and Communication (C06102) (see page 450) and the Master of Arts in Communication Management (C04254) (see page 429).

Professional recognition

Courses in the postgraduate program in Communication Management at UTS have been accredited with the Public Relations Institute of Australia (PRIA) for over 20 years. As this graduate diploma is accredited with the PRIA, graduates have an accelerated path to its professional membership.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06105v1 Graduate Diploma in Communication Management

Award(s): Graduate Diploma in Communication Management (GradDipCommM)
UAC code: 940510 (Autumn semester, Spring semester)
CRICOS code: 032340D
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Communication Management explores foundation studies and skills for professional communication practice. It is designed for current and prospective communication professionals seeking a professional qualification and scholarly development in the broad field of communication management.

Academic staff involved in the course have substantial industry experience and have undertaken research in the field.

Course aims

Graduates of this course have:

- advanced understanding of communication and its management
- the ability to synthesise communication theory and practice
- the ability to analyse, design, cost and evaluate a communication strategy
- a sensitivity to ethical and legal issues related to communication
- a capacity to reflect on the roles and responsibilities of communicators
- the capacity to apply perspectives that are intercultural and global, and
- a sensitivity to issues of exclusion, equity and justice.

A full list of the graduate attributes of the course is available from UTS: Communication.

Career options

Career options include roles in the field of communication management such as public relations, communication advising, community relations, corporate communication, integrated communication, internal communication, international communication, media liaison and public affairs.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who have graduated with the Bachelor of Arts in Communication (Public Communication) (C10248) (see page 266) may be granted up to one third of the postgraduate course in credit recognition. Other relevant qualifications are considered on a case-by-case basis.

Course duration and attendance

The course is offered on a one-year, full-time or equivalent part-time basis.

Course structure

This course totals 48 credit points of study consisting of three core foundation subjects (24 credit points) and three other communication management subjects (24 credit points). Two of the communication management subjects are compulsory and one is an elective.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90751	Core foundation subjects	24cp
STM90768	Communication Management	24cp
		Total 48cp

Course program

Typical course programs are shown below for both full-time and part-time students, commencing in both Autumn and Spring semesters.

Autumn commencing, full time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57035	Organisational Change and Communication	8cp

Spring semester

57025	Intercultural and International Communication	8cp
57024	Managing Public Communication Strategies	8cp

Select 8 credit points of electives 8cp

Autumn commencing, part time

Year 1

Autumn semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Spring semester

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
CBK90847	Electives	8cp

Year 2

Autumn semester

57024	Managing Public Communication Strategies	8cp
57035	Organisational Change and Communication	8cp

Spring semester

Select 8 credit points from the following options: 8cp

57025	Intercultural and International Communication	8cp
CBK90847	Electives	8cp

Spring commencing, full time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57025	Intercultural and International Communication	8cp

Year 2

Autumn semester

57024	Managing Public Communication Strategies	8cp
57035	Organisational Change and Communication	8cp

Select 8 credit points of electives 8cp

Spring commencing, part time

Year 1

Spring semester

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp

Year 2

Autumn semester

57024	Managing Public Communication Strategies	8cp
57035	Organisational Change and Communication	8cp

Spring semester

57025	Intercultural and International Communication	8cp

Select 8 credit points of electives 8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in Communication Management, Graduate Diploma in Public Relations (C06103) (see page 451), Graduate Diploma in Integrated Communication (C06101) (see page 448), Graduate Diploma in Organisational Change and Communication (C06102) (see page 450) and the Master of Arts in Communication Management (C04254) (see page 429).

Professional recognition

Courses in the postgraduate program in Communication Management at UTS have been accredited with the Public Relations Institute of Australia (PRIA) for over 20 years. The Graduate Diploma in Communication Management is accredited with PRIA and graduates have an accelerated path to professional membership.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C06106v1 Graduate Diploma in International Studies

Award(s): Graduate Diploma in International Studies (GradDipIntStudies)
UAC code: 940528 (Autumn semester)
CRICOS code: 026984G
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

Students intending to complete the Master of Arts in International Studies (C04262) (see page 436) are encouraged to enrol directly into it, rather than enrolling initially in the graduate diploma and transferring to the master's. This assists students and UTS: International Studies with planning an appropriate sequence of subjects.

Overview

The Graduate Diploma in International Studies is part of an articulated program of study in which students develop or enhance their knowledge of the language and culture of a country chosen from the range offered in the international studies program.

The program provides opportunities for students from any disciplinary background to study a language and culture other than English and thus add an international dimension to their qualification.

Course aims

The program aims to enable students to communicate competently in the language of their specialisation, learn about contemporary society in their chosen country of study, develop intercultural sensitivity, critically reflect on ethical issues in international research, and learn a variety of interdisciplinary skills and knowledge to research contemporary issues and trends in international studies.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

A minimum of two years' language study at an approved tertiary institution is recommended, but not required. Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or equivalent part-time basis.

Course structure

The course totals 48 credit points. There are three compulsory components: two semesters of study of a language and culture other than English and a contemporary society subject; the Research in International Studies subject; and two elective subjects.

Students can focus on one of the following countries or majors: Argentina, Canada (Québec), Chile, China, Colombia, France, Germany, Italy, Japan, Latino USA, Mexico, Spain or Switzerland.

Students may select subjects beyond the lists of elective subjects with the approval of the graduate adviser. Not all subjects are available each semester.

Full-time students undertake 24 credit points a semester. Part-time students should undertake 16 credit points a semester.

Course completion requirements

CBK90891	Language, Culture and Society choice	24cp
979508	Research in International Studies	8cp
CBK90900	Electives (International Studies)	16cp
		Total 48cp

Course program

The example programs below show subject choices for the German Language and Culture option. Students undertaking one of the other language options undertake a similar sequence of subjects.

The part-time program shows the three compulsory subjects (i.e. two language and culture subjects and International Studies Research Seminar) and, as electives, a further two language and culture subjects plus Contemporary Germany.

Autumn commencing, full time

Year 1

Autumn semester

97601	German Language and Culture 1	8cp
979508	Research in International Studies	8cp
Select 8 credit points of electives		8cp

Spring semester

97602	German Language and Culture 2	8cp
979514	Contemporary Germany	8cp
Select 8 credit points of electives		8cp

Autumn commencing, part time

Year 1

Autumn semester

979508	Research in International Studies	8cp
97601	German Language and Culture 1	8cp

Spring semester

97602	German Language and Culture 2	8cp

Year 2

Autumn semester

97603	German Language and Culture 3	8cp

Spring semester

979514	Contemporary Germany	8cp
97604	German Language and Culture 4	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Diploma in International Studies and the Master of Arts in International Studies (C04262) (see page 436). Students who successfully complete this course and who are admitted to the master's course are eligible for credit recognition for completed subjects (48 credit points).

Students who want to proceed to a period of in-country study must advise UTS: International Studies at least one semester prior to wanting to go overseas.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.internationalstudies.uts.edu.au

C07002v6 Graduate Diploma in Planning

Award(s): Graduate Diploma in Planning (GradDipPlan)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Transfer is only for students enrolled in the Master of Planning (C04007) (see page 353).

Overview

This course provides students with a thorough understanding of the economic, sociological, environmental and other theoretical and practical knowledge underpinning the governance in urban management and urban development. It has a strong focus on sustainable urban development.

With an engaged and practical approach, this course focuses on urban planning and development processes, sustainability and creative development control and enhances knowledge and skills in urban management, property development, urban design and environmental policy. Property development and planning students study a common first year, which develops a mutual understanding of how to balance private and public interests in urban development.

Course aims

Graduates of this course understand the nature and methods of planning and urban management and the interdependency of various urban policy fields, agencies and institutions that enable sound urban outcomes. They can responsibly participate in planning debates, apply sound and appropriate urban design principles, communicate at a superior level and constructively reflect on planning methods and practice.

Graduates also recognise and develop ethical, just and professional methodological approaches and practices.

Career options

Skills in planning and environmental law, development control, strategic planning, community planning and infrastructure management open up careers in government departments and agencies, local government, major development companies and private consulting firms.

Course duration and attendance

The course can be completed on a one-year, full-time basis.

Course structure

The course requires the completion of eight 6-credit-point subjects, totalling 48 credit points of study.

Course completion requirements

STM90502	Core subjects (Property and Planning)	24cp
STM90503	Level 2 core subjects (Planning)	24cp
		Total 48cp

Course program

An example program is below.

Full time

Year 1

Autumn semester

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp
15222	Urban Design	6cp
15241	Urban Economics and Finance	6cp

Spring semester

17700	Planning and Environmental Law	6cp
15143	Group Project A: Urban Renewal	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp

Articulation with UTS courses

This exit-only course is part of an articulated program comprising the Graduate Certificate in Property and Planning (C11001) (see page 475), the Graduate Diploma in Planning and the Master of Planning (C04007) (see page 353).

Exit award

This exit-only course enables students enrolled in the master's course to exit after completing 48 credit points of study and gain a graduate diploma qualification.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C07004v4 Graduate Diploma in Project Management

Award(s): Graduate Diploma in Project Management (GradDipPM)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Transfer is for students enrolled in the Master of Project Management (C04006) (see page 352).

Overview

With close industry contact, the course is delivered through block workshops designed to emulate project environments, giving students the opportunity to directly develop their ability to manage real projects. The program is rigorous, and is globally recognised for its tradition of excellence. The UTS program was the first Australian program to be accredited by the Project Management Institute's (PMI) Global Accreditation Centre. The foundation subjects are compatible with the structures used by the PMI and Australian Institute of Project Management (AIPM) to certify practitioners.

This program provides practice-based knowledge, skills and tools for the delivery of different types and sizes of projects and programs across all industry sectors, underpinned by theory and research. At the forefront of industry trends, the UTS program incorporates project complexity, program management, governance, reflective practice and leadership.

Course aims

1. Successful graduates of the course can:select and critically apply relevant theory to practice
2. develop and apply appropriate project management methodologies to suit different project and organisational contexts
3. demonstrate application of reflective practice
4. communicate in a variety of forms across culturally diverse project and organisational contexts
5. demonstrate the capacity to take a leadership role in project, program and portfolio management
6. demonstrate advanced-level skills in managing relationships between key stakeholders in a variety of contexts both in Australia and internationally
7. exhibit an understanding of the application of ethical practice to project governance in a variety of settings both in Australia and internationally
8. select and apply creative problem-solving skills to all phases of the project life cycle
9. apply critical thinking, analytical and research skills to a range of project and program management contexts
10. understand, select from and apply a range of systems thinking approaches to a variety of project and organisational contexts.

Career options

The course is highly regarded by industry as providing in-demand, 'professionally excellent' graduates. Its focus on leadership, program management and governance increases the employability of graduates at senior levels in many local and international industries, including banking and finance, construction and engineering, event management, government, health and IT.

Credit recognition

Applicants with a four-year degree in a related field of study may be given up to 24 credit points of exemptions.

Course duration and attendance

The course can be completed on a one-year, full-time basis.

Course structure

Students choose 48 credit points from a list of available subjects.

Course completion requirements

CBK90603	PM Foundation	24cp
CBK90604	PM choice 2	24cp
		Total 48cp

Course program

A typical course program is shown below.

Year 1

Autumn semester

Select 24 credit points from the following options:		24cp
15315	Project Management Principles	6cp
15313	Project Procurement and Risk Management	6cp
15316	Project Management Knowledge Areas	6cp
15312	Communication and Critical Thinking	6cp
15456	Industry Project Studies A	12cp
15356	Project Performance Improvement	6cp
15311	Managing Complex Projects	6cp
15335	Project Appraisal and Finance	6cp
15325	Negotiation and Conflict Management	6cp
15326	Project Management Practicum	6cp
15349	Integrated Project Delivery Management	6cp

Spring semester

Select 24 credit points from the following options:		24cp
15315	Project Management Principles	6cp
15313	Project Procurement and Risk Management	6cp
15316	Project Management Knowledge Areas	6cp
15312	Communication and Critical Thinking	6cp
15356	Project Performance Improvement	6cp
15311	Managing Complex Projects	6cp
15335	Project Appraisal and Finance	6cp
15325	Negotiation and Conflict Management	6cp
15326	Project Management Practicum	6cp
15456	Industry Project Studies A	12cp
15348	Commercial Management of Projects	6cp
15350	Professional Project Practice	6cp

Articulation with UTS courses

This exit-only course is part of an articulated program comprising the Graduate Certificate in Project Management (C11005) (see page 475), the Graduate Diploma in Project Management, the Master of Project Management (C04006) (see page 352) and the Master of

Business Administration (Project Management major) (C04018) (see page 355). Each stage is self-contained and can be undertaken through part-time or full-time study.

Exit award

This exit-only course enables students enrolled in the master's course to exit after completing 48 credit points of study and gain a graduate diploma qualification.

Professional recognition

This program is accredited by the Project Management Institute's (PMI) Global Accreditation Centre and the Royal Institute of Chartered Surveyors (RICS). It is endorsed by the Australian Institute of Project Management (AIPM), which is a member of the International Project Management Association (IPMA).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C07012v6 Graduate Diploma in Accounting and Finance

Award(s): Graduate Diploma in Accounting and Finance (GradDipAccFin)
CRICOS code: 020411D
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Accounting and Finance provides advanced-level material in core contemporary accounting and finance issues.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience or satisfactory completion of a relevant graduate certificate from UTS or other recognised higher education institution.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course can be completed in one year of full-time or two years of part-time study.

Course structure

The course comprises 48 credit points of core subjects.

Course completion requirements

25741	Capital Markets	6cp
25765	Corporate Finance	6cp
22748	Financial Reporting and Analysis	6cp
22754	Corporate Accounting	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp
		Total 48cp

Course program

A typical full-time program is provided below, showing a suggested study sequence for students undertaking the course full time for Autumn semester commencement. Most of the subjects are offered in both Autumn and Spring semesters.

Year 1

Autumn semester

22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp

Spring semester

25741	Capital Markets	6cp
22748	Financial Reporting and Analysis	6cp
25765	Corporate Finance	6cp
22754	Corporate Accounting	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Accounting and Finance (C11015) (see page 477), the Graduate Diploma in Accounting and Finance, and the Master of Business in Accounting and Finance (C04038) (see page 358).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.uts.edu.au/future-students/business

C07018v4 Graduate Diploma in Management

Award(s): Graduate Diploma in Management (GradDipM)
CRICOS code: 009678C
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus (Haymarket), although subjects may also be selected from among those offered at Kuring-gai campus

Overview

The Graduate Diploma in Management aims to extend the management skills gained by students in the Graduate Certificate in Management by providing the opportunity to explore these skills in greater breadth and depth.

An innovative, flexible structure provides students with maximum choice in selecting subjects and programs of study tailored to meet their personal and professional needs.

Course aims

The Graduate Diploma in Management is designed to meet the needs of individuals, client organisations and professional bodies for management education.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience or satisfactory completion of a relevant graduate certificate from UTS or other recognised higher education institution.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course duration is one year of full-time or two years of part-time study.

Course structure

The course totals 48 credit points of core subjects.

Course completion requirements

STM90735	Core subjects (Management)	48cp
		Total 48cp

Course program

The course program is shown below.

21717	International Management	6cp
21720	Human Resource Management	6cp
21741	Managing Operations	6cp
21779	Management Skills	6cp
21800	Management and Organisations	6cp
21827	Change Management	6cp
21832	Managing for Sustainability	6cp
21844	Managing Work and People	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Management (C11021) (see page 478), the Graduate Diploma in Management, and the Master of Business in Management (C04229) (see page 397).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/rego

C07019v5 Graduate Diploma in Community and Not-for-Profit Management

Award(s): Graduate Diploma in Community and Not-for-Profit Management (GradDipCommunityNFPM)
CRICOS code: 032341C
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Community and Not-for-Profit Management builds on the graduate certificate and extends skills and knowledge in human resource and legal aspects of non-profit management. It also offers an opportunity to pursue areas of specialist interest.

The course is industry-relevant and flexible study modes are offered.

Career options

Career options include management of non-government or non-profit organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course duration is one year of full-time or two years of part-time study. This course is taught in flexible mode, including three intensive workshops of five days each, self-managed learning packages and learning partnerships to develop peer-supported networks.

Course structure

The course comprises 48 credit points of study, consisting of eight core subjects.

Course completion requirements

21766	Managing Community Organisations	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
21817	Volunteer Management	6cp
21778	Resource Mobilisation	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
22747	Accounting for Managerial Decisions	6cp
21751	Management Research Methods	6cp
		Total 48cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Community and Not-for-Profit Management (C11024) (see page 478), the Graduate Diploma in Community and Not-for-Profit Management, and the Master of Management (C04239) (see page 408).

Other information

Further information is available from the UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C07021v7 Graduate Diploma in Finance

Award(s): Graduate Diploma in Finance (GradDipFin)
CRICOS code: 020210B
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Finance provides financial institution knowledge and decision-making skills for executives in financial institutions, corporations and financial consultancies.

The course provides participants with the opportunity to acquire knowledge of finance theory and techniques for leading-edge professional practice purposes.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The equivalent qualification required is a bachelor's degree in any discipline or satisfactory completion of a relevant graduate certificate from UTS or other recognised higher education institution.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one year of full-time or two years of part-time study.

Course structure

The course comprises 48 credit points of core subjects.

Course completion requirements

25705	Financial Modelling and Forecasting	6cp
25741	Capital Markets	6cp
25721	Investment Management	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
25765	Corporate Finance	6cp
25731	International Finance	6cp
		Total 48cp

Course program

A typical full-time program is provided below, showing a suggested study sequence for students undertaking the course full time for Autumn semester commencement. Most of the subjects are offered in both Autumn and Spring semesters.

Year 1

Autumn semester

25742	Financial Management	6cp
23706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
25741	Capital Markets	6cp

Spring semester

25705	Financial Modelling and Forecasting	6cp
25721	Investment Management	6cp
25765	Corporate Finance	6cp
25731	International Finance	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Finance (C11027) (see page 479), the Graduate Diploma in Finance and the Master of Business in Finance (C04048) (see page 359).

Professional recognition

The course covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg/

C07023v3 Graduate Diploma in Quantitative Finance

Award(s): Graduate Diploma in Quantitative Finance (GradDipQF)
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is not offered to international students.

Overview

The Quantitative Finance program provides the opportunity to acquire the detailed specialised knowledge and the professional competency required to work as a quantitative finance analyst in the modern finance industry.

This course provides the core knowledge of the modern financial instruments and the fundamentals of the specialised quantitative finance skills required for a basic professional competency in quantitative finance.

Career options

Career options for graduates include positions as quantitative analysts, risk management analysts, quantitative structures, quantitative developers, forecasters, traders, investment analysts and financial engineers across investment banks, trading banks, hedge funds, investment management companies, consulting companies, energy and mining companies, regulatory bodies and government organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in finance or with a strong mathematical background. Entry to the course is at the discretion of the course director.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students may be granted a maximum of five subject exemptions in the Graduate Diploma in Finance, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course duration is two years of part-time study.

Course structure

The course totals 48 credit points, comprising core subjects and options.

Course completion requirements

STM90318	Core subjects (Quantitative Finance)	48cp
		Total 48cp

Course program

The course program is shown below.

25832	Financial Markets Instruments	6cp
25834	Portfolio Analysis	6cp
25837	Financial Econometrics	6cp
25854	Statistical Methods for Quantitative Finance	6cp
25855	Fundamentals of Derivative Security Pricing	6cp
25856	Probability Theory and Stochastic Processes	6cp

Select 12 credit points from the following options: 12cp

25849	Financial Risk Management	6cp
25850	Credit Risk	6cp
25851	Mathematical Finance	6cp
25857	Interest Rate Modelling	6cp

Articulation with UTS courses

Students who successfully complete this course may apply for admission to the Master of Quantitative Finance (C04052) (see page 360).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C07027v7 Graduate Diploma in Tourism Management

Award(s): Graduate Diploma in Tourism Management (GradDipTourismM)
CRICOS code: 006583A
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: Kuring-gai campus, although subjects may also be selected from among those offered at City campus (Haymarket)

Overview

The Graduate Diploma in Tourism Management is designed to develop critical, interpretive and problem-solving skills, and to provide a broad coverage of the tourism management field and some opportunity for studying areas of specific interests.

The course has been developed to meet the demand for professionals with a high level of management expertise.

Course aims

Throughout the course, emphasis is placed on the acquisition of strategic planning skills for tourism development, management and marketing.

Career options

Career options include management, marketing and policy-analysis roles in national and regional tourism offices, hotels, airlines, tour operators, tourist attractions and events.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The equivalent qualification required is a bachelor's degree in any discipline or satisfactory completion of a relevant graduate certificate.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects can be approved from prior undergraduate study.

Course duration and attendance

The course is one year of full-time or two years of part-time study. It is offered at Kuring-gai campus, although some subjects may be offered at City campus.

Course structure

The course comprises 48 credit points, consisting of eight subjects.

Course completion requirements

27735	Tourism and the Industry	6cp
27767	Tourist Behaviour	6cp
21751	Management Research Methods	6cp
27733	The Experience Economy	6cp
27706	Managing Tourism Services	6cp
27734	Marketing for the Experience Industries	6cp
27700	Sustainable Tourism Management	6cp
22747	Accounting for Managerial Decisions	6cp
		Total 48cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Tourism Management (C11035) (see page 480), the Graduate Diploma in Tourism Management and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C07028v7 Graduate Diploma in Arts Management

Award(s): Graduate Diploma in Arts Management (GradDipAM)
CRICOS code: 009676E
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus (Haymarket), although some subjects are offered at Kuring-gai campus

Overview

The Graduate Diploma in Arts Management builds on the graduate certificate to develop students' critical, interpretive and problem-solving capabilities. It provides a solid grounding in the fundamentals of arts management and cultural policy, while providing room for some specialisation and the development of specific interests.

The course offers a combination of core management subjects specifically designed for the arts environment. The Graduate Diploma is an extremely popular course and is held in high regard by the arts industry.

Course aims

The course provides both theoretical and applied knowledge relevant to Australia's contemporary arts and cultural environment and related industries.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The equivalent qualification required is a bachelor's degree in any discipline or satisfactory completion of a relevant graduate certificate.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two subjects can be approved from prior undergraduate study.

Course duration and attendance

The course is one year of full-time or two years of part-time study. It is offered mainly at City campus (Haymarket). Some subjects may be offered at Kuring-gai campus.

Course structure

The course comprises 48 credit points, consisting of eight subjects.

Course completion requirements

27753	Arts and Cultural Industries	6cp
27755	Arts Organisations and Management	6cp
21751	Management Research Methods	6cp
27733	The Experience Economy	6cp
22747	Accounting for Managerial Decisions	6cp
27734	Marketing for the Experience Industries	6cp
27763	Arts and Cultural Policy	6cp
27717	Venue and Facility Management	6cp
		Total 48cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Arts Management (C11033) (see page 479), the Graduate Diploma in Arts Management and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C07029v6 Graduate Diploma in Sport Management

Award(s): Graduate Diploma in Sport Management (GradDipSportM)
CRICOS code: 014223C
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: Kuring-gai campus, although subjects may be selected from among those offered at City campus (Haymarket)

Overview

The Graduate Diploma in Sport Management is designed to develop critical, interpretive and problem-solving skills and to provide a broad coverage of the sport management field.

The course provides specific training in sport management and offers some opportunity for the development of specific interests.

Course aims

The course provides the theoretical knowledge needed to understand the changing nature of the Australian sport environment.

Career options

Career options include sport marketing and sponsorship, sport public relations, sport venue management, sport event management, human resource management in sport, player management, and sport policy development.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The equivalent qualification required is a bachelor's degree in any discipline or satisfactory completion of a relevant graduate certificate.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two subjects can be approved from prior undergraduate study.

Course duration and attendance

The course is one year of full-time or two years of part-time study. It is offered at Kuring-gai campus. Some subjects may be offered at City campus.

Course structure

The course comprises 48 credit points, consisting of eight subjects.

Course completion requirements

27732	Sport Organisations	6cp
27715	Sport Business	6cp
21751	Management Research Methods	6cp
27733	The Experience Economy	6cp
27717	Venue and Facility Management	6cp
27734	Marketing for the Experience Industries	6cp
27721	Sport Globalisation	6cp
22747	Accounting for Managerial Decisions	6cp
		Total 48cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Sport Management (C11037) (see page 480), the Graduate Diploma in Sport Management and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C07031v6 Graduate Diploma in Marketing

Award(s): Graduate Diploma in Marketing (GradDipMktg)
CRICOS code: 008678M
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Marketing provides a thorough understanding of the basic principles of marketing, marketing research, the motivations of customers and marketing management.

The course assists students in developing the ability to identify and analyse marketing management problems and fosters skills in generating marketing strategies to solve problems in the marketing domain, both in Australia and overseas.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience or satisfactory completion of a relevant graduate certificate from UTS or other recognised higher education institution.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects can be approved from prior undergraduate study.

Course duration and attendance

The course can be completed in one year of full-time or two years of part-time study.

Course structure

The course comprises 48 credit points, made up of four core subjects (24 credit points) and a choice of one of three specialised streams (24 credit points each) or a generalist choice block (24 credit points).

Course completion requirements

STM90720	Core subjects (Marketing)		24cp
Select one of the following:			24cp
CBK90635	Marketing streams	24cp	
CBK90706	Generalist Marketing choice	24cp	
			Total 48cp

Course program

The course program is shown below.

24710	Buyer Behaviour	6cp
24720	Marketing Research	6cp
24730	Marketing Strategy	6cp
24734	Marketing Management	6cp

Select 24 credit points from the following options:			24cp
STM90717	Marketing Management	24cp	
STM90718	Marketing Strategy	24cp	
STM90719	Marketing Research	24cp	
CBK90706	Generalist Marketing choice	24cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Marketing (C11039) (see page 481), the Graduate Diploma in Marketing, and the Master of Business in Marketing (C04067) (see page 361).

Professional recognition

Completion of this course meets the educational requirements for Professional Postgraduate Diploma in Marketing entry point to Chartered Institute of Marketing (CIM).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C07044v3 Graduate Diploma in Nursing

Award(s): Graduate Diploma in Nursing (GradDipN)
UAC code: 940830 (Autumn semester, Spring semester)
CRICOS code: 000360J
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: Kuring-gai campus

Note(s)

This course also has a mid-year intake.

Overview

This course is designed to provide registered nurses with a wide range of options to further their study in the field of nursing. Students gain knowledge, expertise and competencies in one of many clinical specialty areas, clinical teaching or clinical management (international students must undertake the Clinical Teaching sub-major or the Clinical Management sub-major).

Students can customise their program to meet personal learning needs or workplace requirements in order to further their career with sub-majors available in acute care nursing, anaesthetics and recovery room nursing, child and family health nursing, children's nursing, clinical management, clinical teaching, critical care nursing, diabetes education and management, mental health nursing, neonatal nursing, neuroscience nursing and perioperative nursing.

Course aims

This course aims to:

- develop the student's career as a clinician, manager or educator
- extend and enhance existing skills
- help build confidence and leadership skills
- provide academic experience and qualification
- enhance career prospects.

Career options

Career options include advanced clinical practice, nursing management and nursing education, in both clinical and community areas.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must hold a current Authority to Practise, or be a registered nurse in their own country or place of residence and hold a current Authority to Practise.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

Course structure

Students must complete a total of 48 credit points (eight subjects).

The course comprises two core subjects, one sub-major (in a clinical specialty, clinical teaching or clinical management) and two elective subjects.

Note: International students can only undertake the Clinical Teaching sub-major or the Clinical Management sub-major.

Course completion requirements

Select one of the following:			48cp
STM90597	Domestic students	48cp	
STM90598	International students	48cp	
			Total 48cp

Course program

The part-time program for this course corresponds to the first two years of the Master of Nursing (C04228) (see page 395). An example program for the Critical Care Nursing sub-major in part-time mode is shown below.

Critical Care Nursing sub-major, part time

Year 1

Autumn semester

92918	Fundamentals of Critical Care Nursing	6cp
92713	Health Breakdown	6cp

Spring semester

92919	Complex Critical Care	6cp
92869	Specialty Clinical Practice	6cp

Year 2

Autumn semester

92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp

Spring semester

Select 12 credit points from the following options:		12cp
CBK90514	Electives	12cp

Articulation with UTS courses

This course articulates with the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Louise Hickman

Course coordinator

email Louise.Hickman@uts.edu.au

www.health.uts.edu.au

C07048v7 Graduate Diploma in Health Services Management

Award(s): Graduate Diploma in Health Services Management (GradDipHSM)
UAC code: 940815 (Autumn semester, Spring semester)
CRICOS code: 040692B
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course offers a mid-year intake for local and international students.

Overview

This is an intermediate-level course in health services management and aims to expand students' knowledge and future career opportunities. The course develops students' knowledge and skills, which leads to an enhanced capacity to plan and manage health services.

Graduates of this course are exposed to academic and industry leaders who share their experience and knowledge to facilitate insight into the contemporary health service management environment.

Course aims

This course is designed to prepare new, aspiring, and middle health managers for roles in health services management in a variety of settings.

Career options

Career options include positions in health authorities, hospitals, primary and community care, aged care services, and other healthcare facilities in the public, private, not-for-profit, government and non-government health sectors.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who do not have an undergraduate degree but who have extensive relevant work experience in a health or human services field may also be considered eligible.

Applicants must have at least a minimum of one year, full-time (or part time equivalent) experience in a medium to large organisation. Health or human services experience is preferred. Work experience undertaken in small work settings (e.g. private practice settings with a small number of professionals) or as part of intern requirements are not accepted.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

Subjects are offered via on-campus study. Part-time students usually study two subjects a semester.

Course structure

Students must complete a total of 48 credit points, comprising six core subjects offered by UTS: Health, and two electives offered by UTS: Health and UTS: Business.

Course completion requirements

STM90763	Core subjects (Health Services Management)	36cp
CBK90879	Electives	12cp
		Total 48cp

Course program

Example programs for students undertaking the course full time and part time and commencing in Autumn semester are shown below.

Autumn commencing, full time

Year 1

Autumn semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp
92887	Organisational Management in Health Care	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Spring semester

92296	Epidemiology and Population Health	6cp
92050	Policy, Power and Politics in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Spring commencing, full time

Year 1

Spring semester

92917	Using Health Care Data for Decision Making	6cp
92638	Foundations of the Australian Healthcare System	6cp
92887	Organisational Management in Health Care	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Year 2

Autumn semester

92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Autumn commencing, part time

Year 1

Autumn semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Year 2

Autumn semester

92296	Epidemiology and Population Health	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Spring semester

92050	Policy, Power and Politics in Health Care	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Spring commencing, part time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Year 2

Autumn semester

92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Spring semester

92296	Epidemiology and Population Health	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Year 3

Autumn semester

92050	Policy, Power and Politics in Health Care	6cp
	Select 6 credit points from the following options:	6cp
CBK90879	Electives	12cp

Articulation with UTS courses

This course is part of an articulated program which comprises the Graduate Certificate in Health Services Management (C11107) (see page 492), the Graduate Diploma in Health Services Management, and the Master of Health Services Management (C04140) (see page 378).

Professional recognition

Australasian College of Health Service Management (ACHSM)

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Dr Jennifer Bichel-Findlay

Course coordinator

email Jennifer.Bichel-Findlay@uts.edu.au

www.health.uts.edu.au

C07070v5 Graduate Diploma in Midwifery

Award(s): Graduate Diploma in Midwifery (GradDipMid)
UAC code: 940805 (CSP) (Autumn semester)
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

Students admitted to the Graduate Diploma in Midwifery before 2012 should refer to the course entry in the 2011 handbook.

Limited commonwealth-supported places are available.

Applications are now open for the Autumn semester 2014 intake.

This course is not offered to international students.

Overview

This course is designed to meet the graduate needs of registered nurses wishing to gain registration to practise in the area of midwifery. It provides a broad theoretical and clinical study in midwifery, and includes a discussion of professional, sociopolitical and ethico-legal issues related to the family, and research skills that enhance midwifery practice and interpersonal processes. Students undertake concurrent employment as a student midwife in an accredited midwifery unit.

Midwives are in high demand at present, in both the public and private health systems, and the current shortage is expected to continue for some time.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

- Applicants must be a registered nurse in Australia.
- Applicants are required to apply for employment in a midwifery student position through the centralised recruitment process. This process is administered by the New South Wales Department of Health Nursing and Midwifery Office. Applications open in July and close in August.
- In addition, applicants need to apply to UTS for a position in the Graduate Diploma in Midwifery. This is either through the Universities Admission Centre (UAC) or directly to the University on specific postgraduate information evenings (check UTS website for details). Acceptance in the Graduate Diploma in Midwifery at UTS is dependent on the applicant securing employment as a student midwife.
- Applicants also need to be available to attend classes from early February, for the first week of midwifery classes.
- Students' current nursing registration will be confirmed via the National Register of Practitioners at: www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx
- Students should ensure that details of their registration are up-to-date on this register.
- Applicants are selected on academic merit based on their grade point average.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

This course is offered over a 14-month, full-time period.

Course structure

Students must complete a total of 48 credit points, comprising eight compulsory subjects.

Industrial training/professional practice

The course requires concurrent employment in an accredited midwifery unit for one year (four days a week) in order for students to meet the requirements to gain midwifery registration with the National Board of Nursing and Midwifery.

Course completion requirements

92873	Midwifery Practice 1	6cp
92785	Midwifery in Complex Situations	6cp
92893	Midwifery Practice 2	6cp
92927	Evidence-based Practice (Midwifery)	6cp
92922	The Meaning of Birth	6cp
92636	Preparation for Midwifery Practice	6cp
92631	Midwifery as Primary Health Care	6cp
92637	Supporting Families	6cp
		Total 48cp

Course program

A typical program is shown below.

Year 1

Autumn semester

92636	Preparation for Midwifery Practice	6cp
92873	Midwifery Practice 1	6cp
92631	Midwifery as Primary Health Care	6cp
92927	Evidence-based Practice (Midwifery)	6cp

Spring semester

92785	Midwifery in Complex Situations	6cp
92637	Supporting Families	6cp
92922	The Meaning of Birth	6cp
92893	Midwifery Practice 2	6cp

Further study at UTS

Students who complete the Graduate Diploma in Midwifery may be eligible to apply for 24 credit points (four specified subjects) of exemptions in the Master of Midwifery (C04247) (see page 422).

Professional recognition

Nursing and Midwifery Board of Australia. See the faculty rules for more information.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Allison Cummins

Course coordinator

telephone +61 2 9514 4913

email Allison.Cummins@uts.edu.au

www.health.uts.edu.au

C07073v5 Graduate Diploma in Australian Law

Award(s): Graduate Diploma in Australian Law (GradDipAustLaw)
UAC code: 940408 (Autumn semester, Spring semester)
CRICOS code: 016613F
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This course is not appropriate for applicants who are already admitted to practise as a lawyer in NSW.

Overview

This course is designed to permit appropriately qualified lawyers from jurisdictions outside Australia to satisfy the academic requirements for admission as a lawyer of the Supreme Court of NSW.

Each student's course is individually tailored to their academic requirements, as assessed by the Legal Profession Admission Board of the Supreme Court of NSW (LPAB).

Career options

Career options include lawyer in NSW within a government or corporate department, private law firm or community law centre, providing students also undertake a course in practical legal training (PLT).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold a bachelor's degree in law from outside Australia or be admitted as a lawyer in a jurisdiction outside Australia.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Before lodging an application, applicants must contact the LPAB to determine the subjects they are required to complete to be eligible for admission to practise in NSW. Further information about admission is available at:

www.lawlink.nsw.gov.au/lpab

Notification from the LPAB, listing the subjects required, must accompany the application for admission into the course.

Assumed knowledge

Appropriately qualified knowledge of a legal system.

Course duration and attendance

Full-time students can complete this course in a minimum of one year. Part-time students can complete the course in a minimum of one-and-a-half years.

Course structure

The course requires completion of a minimum of 48 credit points. However, each candidate's course of study varies depending on the number of subjects they are required to take in order to be admitted to practice in NSW. Subjects other than those listed below may be substituted depending on what subjects the LPAB requires applicants to complete to be eligible for admission to practice.

Industrial training/professional practice

Applicants should note that in order to gain admission as a lawyer of the Supreme Court of NSW they may also be required to undertake a course in PLT, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

CBK90942	Options	48cp
		Total 48cp

Professional recognition

This course may satisfy the requirements for admission to the Supreme Court of NSW. The Legal Profession Admission Board may recognise subjects attempted within this course. Applicants are advised to obtain written confirmation of the LPAB in recognition of subjects attempted within this course prior to enrolling.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C07074v5 Graduate Diploma in Legal Studies

Award(s): Graduate Diploma in Legal Studies (GradDipLS)
UAC code: 940407 (Autumn semester, Spring semester, Summer session)
CRICOS code: 021718K
Commonwealth-supported place?: No
Load credit points: 36
Course EFTSL: 0.75
Location: City campus

Note(s)

The Graduate Diploma in Legal Studies is not a professional legal qualification. Applicants seeking to be admitted to practice should refer to the Juris Doctor (C04236) (see page 405) or the Bachelor of Laws (C10124) (see page 182). Students may apply for some subjects undertaken within the Graduate Diploma in Legal Studies to be credited towards these degrees.

Overview

The Graduate Diploma in Legal Studies meets the growing need for non-law graduates working in the public and private sectors to have a thorough understanding of the legal and regulatory framework in which they operate. This includes an understanding of foundational legal concepts such as contract law and tort law, methods of legal research and theory, as well as the opportunity to sample specialist legal areas such as compliance and intellectual property law.

The course attracts students from a wide variety of backgrounds interested in expanding their skill portfolio to include an understanding of the legal framework, including professionals from the insurance, human resources, banking and finance industries, managers and administrators, and HSC legal studies teachers.

Career options

This course particularly benefits accountants and auditors, business development managers, compliance managers, engineers and architects, financial advisers and planners, IT professionals, law enforcement officers, paralegals, policy officers in the public, private and non-profit sectors, property developers and public sector managers and administrators (especially those who work in Department of Foreign Affairs and Trade, the Attorney-General's Department and Treasury).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in a discipline other than law. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of one year of full-time or one-and-a-half years of part-time study. Subjects may also be available in Summer session, allowing accelerated progression.

The course is offered in a variety of attendance patterns, including intensive block attendance and weekly on-campus evening classes.

Course structure

The course requires completion of core subjects, including two compulsory introductory subjects and a choice of two further foundation subjects (30 credit points), plus a further option subject (6 credit points). (Refer to the course entry in the *UTS: Handbook 2013* for the pre-2014 course structure. For a current listing of subjects in each course, refer to the study package directory).

Core subjects are timetabled every semester and option subjects are regularly timetabled but not all option subjects listed are offered in any one semester. Timetabled subjects are offered subject to sufficient student interest. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

STM90689	Core subjects (Legal Studies)	30cp
CBK90593	Options	6cp
		Total 36cp

Articulation with UTS courses

Subjects undertaken within the Graduate Diploma in Legal Studies are recognised within the Master of Legal Studies (C04147) (see page 383). Students enrolled in the graduate diploma may apply to internally transfer to the master's. Candidates are not awarded the graduate diploma but subjects undertaken are applied towards the master's.

Subjects undertaken within the Juris Doctor (C04236) (see page 405) are recognised within the Graduate Diploma in Legal Studies. Students enrolled in the Juris Doctor may apply to internally transfer to the graduate diploma. Candidates are not awarded the Juris Doctor but subjects undertaken are applied towards the graduate diploma.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C07078v3 Graduate Diploma in Interactive Multimedia

Award(s): Graduate Diploma in Interactive Multimedia (GradDipIMM)
UAC code: 940606 (Autumn semester, Spring semester)
CRICOS code: 029621K
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course is designed for students from a wide variety of disciplines who may or may not already be working in areas of multimedia. For this reason, it contains a considerable number of elective subjects to enable students to gain new areas of knowledge or broaden existing areas.

While this program is managed by the Faculty of Engineering and Information Technology, it is a joint program between the Faculty of Engineering and Information Technology, the Faculty of Arts and Social Sciences, and a number of other teaching faculties.

The program is designed to educate the innovators and future leaders of the various professions working in multimedia. Graduates acquire the fundamentals in multimedia, underpinning an up-to-date, flexible set of production skills in their own specialised area.

Course aims

A defining characteristic of multimedia education at UTS is the integration of theory and practice in all of the relevant disciplines and professions. The course aims to develop students' professional skills for direct application in the workplace, while providing a solid overview and understanding of the social, historical and industrial role of multimedia communication technologies. Graduates are prepared for a career in a rapidly growing and changing industry.

Career options

Career options include positions in digital media, the mobile web, information architecture, interaction design, new media, web design, web development and web project management. Various events are organised throughout the year to showcase student work and give students the opportunity to speak with industry professionals, including recruiters.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Alternatively, applicants can have a diploma from any field and substantial relevant professional experience, or substantial senior professional experience. Applicants with a three-year undergraduate degree (or equivalent), must also have either one year of relevant professional experience or a credit average or better in a Graduate Certificate in Interactive Multimedia.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Given the interdisciplinary focus and teamwork emphasis of this course, credit recognition and subject exemptions are not normally granted for other postgraduate study or work experience.

Course duration and attendance

The course is usually completed in one year of full-time or two years of part-time study.

Course structure

The course comprises 48 credit points of study and consists of four core subjects and four elective subjects (which may include core subjects for students intending to exit the program at graduate diploma level).

Industrial training/professional practice

Industrial training is available to both local and international students as a separate work-based learning course. Students can enrol into the Diploma in Information Technology Professional Practice (C20049) (see page 350) after completing a minimum of four core subjects. Students can be assisted in finding an internship, or may wish to have current relevant industry work experience recognised.

Course completion requirements

CBK90085	Core subjects		12cp
CBK90303	Electives (Interactive Multimedia)		24cp
Select 12 credit points from the following options:			12cp
95563	Digital Media Development Process	6cp	
95564	Digital Media Technologies	6cp	
95565	Digital Graphics and the Still Image	6cp	
			Total 48cp

Course program

The example below shows a typical full-time program for a student commencing in Autumn semester. Part-time students choose two subjects per semester and usually complete the core requirements in their first three semesters of study. Elective subjects may be chosen from across the University and must be approved by the multimedia program leader and then the relevant faculty.

Year 1

Autumn semester

Select 12 credit points from the following options:		12cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
Select 12 credit points of electives		12cp

Spring semester

Select 12 credit points from the following options:		12cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
Select 12 credit points of electives		12cp

Articulation with UTS courses

This course forms part of an articulated program of study comprising the Graduate Certificate in Interactive Multimedia (C11143) (see page 500), the Graduate Diploma in Interactive Multimedia, and the Master of Interactive Multimedia (C04158) (see page 385).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C07080v6 Graduate Diploma in Internetworking

Award(s): Graduate Diploma in Internetworking (GradDipInternetworking)
UAC code: 940610 (Autumn semester, Spring semester)
CRICOS code: 043340B
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course is intended for computing science, information technology or engineering graduates with or without networking experience who wish to learn or extend their knowledge of networking and networking technologies. As students come from a variety of backgrounds, there is a degree of subject choice in the program to meet individual needs.

The Internetworking program provides practical, hands-on learning experience using resources provided by Cisco Systems for internetworking including routing, switching, security, wireless and VoIP. Advanced electives in internetworking, in addition to CCNA and CCNP preparation subjects, are available. The program covers all aspects of the organisational use of networks: design, implementation, security management, end systems and applications.

Course aims

The program aims to:

- meet the needs of industry for networking specialists
- target a number of industry-based certifications: CCNA (Cisco Certified Network Associate) and CCNP (Cisco Certified Network Professional)
- retrain IT professionals wishing to move into networking and internetworking
- provide a thorough and practical grounding in networking, network design, and administration and management, and
- provide a solid foundation for the writing of networked applications using Unix, Java and WWW technologies.

Career options

Career options include applications developer, client server architect, data communications, network administrator, network architect, network designer, network integrator, network systems programmer, programmer analyst, security architect or system support analyst.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications are preferred in computing science, information technology, computer engineering, telecommunications, or a related discipline.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Two years' experience in networking or in another position in the IT industry is desirable. Applicants without work experience are also considered.

Credit recognition

Exemptions are granted only for subjects at graduate certificate level. There are no exemptions granted for the networking subjects 32524 and 32521 without the successful completion of the challenge test for each of the above. A challenge test is required even for holders of a CCNA or CCNP certification and those who have passed the CCNA curriculum in TAFE Certificate IV and / or Diploma. These challenge tests are always held in the week prior to the commencement of classes.

Course duration and attendance

The course duration is one year of full-time or two years of part-time study.

Course structure

The course totals 48 credit points of study, made up of four core subjects comprising the graduate certificate (a total of 24 credit points), a research preparation subject (6 credit points), plus a further 18 credit points chosen from a prescribed list. In some circumstances it may be possible to choose one elective from outside the list, provided it is approved by the course coordinator.

Course completion requirements

CBK90465	Internetworking choice	18cp
CBK90476	Internetworking choice	6cp
STM90729	Core subjects	24cp
		Total 48cp

Course program

Below is a typical example of a full-time program commencing in Autumn semester.

Students wishing to take 32521 WANs and VLANs can enrol in this subject as either a core or an elective. 32521 has a prerequisite of 32524 LANS and Routing and therefore cannot be taken during the first semester of study. 32521 can be undertaken in the second semester in conjunction with one of the CCNP subjects with the course coordinator's approval.

A student wishing to undertake subjects in order to sit the Cisco CCNA certification exam must speak to either the course coordinator or the course administrator about subject choices and subject load.

Note: Electives are only offered in a particular semester (or year) if there is sufficient demand and the necessary resources.

Year 1

Autumn semester

32118	Mobile Communications and Computing	6cp
32524	LANS and Routing	6cp
32547	UNIX Systems Programming	6cp
32144	Technology Research Preparation	6cp

Spring semester

CBK90476	Internetworking choice	6cp
Select 18 credit points of options		18cp

Articulation with UTS courses

This course forms part of an articulated program comprising the Graduate Certificate in Internetworking (C11145) (see page 500), the Graduate Diploma in Internetworking, the Master of Science in Internetworking (C04160) (see page 386) and the Master of Science in Internetworking (Extended) (C04224) (see page 393).

Professional recognition

Students can prepare for Cisco CCNA and CCNP industry certification.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C07107v3 Graduate Diploma in Information Management

Award(s): Graduate Diploma in Information Management (GradDipInfM)
UAC code: 940517 (Autumn semester, Spring semester)
CRICOS code: 032347G
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Information Management is designed for people who wish to provide information services to others, or who need to manage and use information effectively within organisations.

In this course, graduates gain an understanding of the relationship between individuals and information and knowledge practices.

Course aims

Graduates have:

- demonstrated sophisticated information-handling skills appropriate for professional practice in diverse environments
- an understanding of the relationship between individuals and public/private recorded information and knowledge practices, tacit/explicit knowledge and how these can be valued, captured, structured and shared for effective use
- an understanding of contemporary issues, trends, innovations and forces for change in information practice as well as the broader political, policy and technological contexts
- an understanding of ethical practice and the ability to operate with integrity, rigour, self-reliance and cooperation in professional contexts
- demonstrated creative, critical, reflective problem-solving capabilities in the context of their professional roles and a commitment to lifelong learning.

Career options

Career options include information architect, information consultant, information content developer, information designer, information manager, librarian, media researcher or research officer.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification may submit a personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time or equivalent part-time basis.

Course structure

The course consists of four compulsory subjects plus two electives chosen from a specified list. Students can choose an elective subject beyond the specified list only with the approval of the graduate adviser.

Students should undertake 57087 Knowledge Management and the Organisation or 57089 Information Research and Data Analysis as their elective subject if they are planning to articulate to the Master of Arts in Information and Knowledge Management (C04203) (see page 388).

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

57148	Discovering and Accessing Information	8cp
57100	People, Information and Knowledge	8cp
57084	Information Architecture and Design	8cp
57146	Organising Information	8cp
CBK90520	Electives	16cp
		Total 48cp

Course program

Example programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

57148	Discovering and Accessing Information	8cp
57100	People, Information and Knowledge	8cp
57084	Information Architecture and Design	8cp

Spring semester

57146	Organising Information	8cp
Select 16 credit points of electives		16cp

Autumn commencing, part time

Year 1

Autumn semester

57148	Discovering and Accessing Information	8cp
57100	People, Information and Knowledge	8cp

Spring semester

57146	Organising Information	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57084	Information Architecture and Design	8cp
Select 8 credit points of electives		8cp

Spring commencing, full time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp
57146	Organising Information	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57148	Discovering and Accessing Information	8cp
57084	Information Architecture and Design	8cp

Select 8 credit points of electives 8cp

Spring commencing, part time

Year 1

Spring semester

57100	People, Information and Knowledge	8cp

Select 8 credit points of electives 8cp

Year 2

Autumn semester

57148	Discovering and Accessing Information	8cp
57084	Information Architecture and Design	8cp

Spring semester

57146	Organising Information	8cp

Select 8 credit points of electives 8cp

Articulation with UTS courses

This course articulates with the Master of Arts in Information and Knowledge Management (C04203) (see page 388). Students who successfully complete this course and who are admitted to the master's course are eligible for credit recognition for completed subjects.

Professional recognition

Graduates are eligible for professional membership of the Australian Library and Information Association (ALIA).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C07112v3 Graduate Diploma in Operations and Supply Chain Management

Award(s): Graduate Diploma in Operations and Supply Chain Management (GradDipOSCM)
CRICOS code: 055275G
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Operations and Supply Chain Management extends the Graduate Certificate and provides the opportunity for some specialisation.

Course aims

The course seeks to enhance professionals' understanding of the nature and contribution of supply chain and operational management functions in the organisational context.

Career options

Career options include management-level positions in service industry and areas traditionally associated with business operations management.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience or satisfactory completion of a relevant graduate certificate from UTS or other recognised higher education institution.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

Course structure

The course totals 48 credit points and consists of a combination of core and elective subjects.

Course completion requirements

STM90736	Core subjects (Operations Supply Chain Management)	30cp
CBK90384	Electives (Operations and Supply Chain Management)	18cp
		Total 48cp

Course program

The course program is shown below.

21741	Managing Operations	6cp
21743	Business Excellence	6cp

Select one of the following: 6cp

21779	Management Skills	6cp
21877	Strategic Procurement	6cp

21797	Strategic Supply Chain Management	6cp
21844	Managing Work and People	6cp

Select 18 credit points from the following options: 18cp

15315	Project Management Principles	6cp
21745	Service Operations Management	6cp
21811	Global Strategic Management	6cp
21827	Change Management	6cp
21832	Managing for Sustainability	6cp
22782	Business Process Integration with ERP	6cp
21779	Management Skills	6cp
77942	Legal Aspects of Contracts Administration	6cp
21854	Innovation and Entrepreneurship	6cp
21877	Strategic Procurement	6cp
35340	Quantitative Management Practice	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Operations and Supply Chain Management (C11199) (see page 505), the Graduate Diploma in Operations and Supply Chain Management and the Master of Business in Operations and Supply Chain Management (C04226) (see page 394).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C07113v2 Graduate Diploma in Human Resource Management

Award(s): Graduate Diploma in Human Resource Management (GradDipHRM)
CRICOS code: 055276F
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Human Resource Management provides an opportunity to study, at a professional level, those factors contributing to the complexity of decision-making in Australian and international employment relations.

Course aims

The Graduate Diploma in Human Resource Management is designed to meet the career needs of professionals with some experience in an area related to employment relations.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience or satisfactory completion of a relevant graduate certificate from UTS or other recognised higher education institution.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students may be granted a maximum of five subject exemptions, of which two core subjects may be approved from prior undergraduate study.

Course duration and attendance

The course may be completed in one year of full-time or two years of part-time study.

Course structure

The course totals 48 credit points and consists of a combination of core and elective subjects.

Course completion requirements

STM90737	Core subjects (HRM)	48cp
		Total 48cp

Course program

The course program is shown below.

21702	Industrial Relations	6cp
21720	Human Resource Management	6cp
21760	Performance and Talent Management	6cp
21779	Management Skills	6cp
21800	Management and Organisations	6cp
21827	Change Management	6cp
21833	International Human Resources Management	6cp
21844	Managing Work and People	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Human Resource Management (C11198) (see page 504), the Graduate Diploma in Human Resource Management and the Master of Business in Human Resource Management (C04227) (see page 395).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C07115v1 Graduate Diploma in Architecture

Award(s): Graduate Diploma in Architecture (GradDipArch)
UAC code: 940115 (Autumn semester, Spring semester)
CRICOS code: 065844G
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

This course is a tailored bridging course that provides a pathway into the Master of Advanced Architecture (C04240) (see page 410). It provides new skills and knowledge for students who have obtained professional qualifications prior to the introduction of digital software for design and documentation in architectural education (prior to 2000).

This is a highly flexible course which enables specialisation in either urban design or design technologies. Each student has a tailored program of architectural design and architectural practice subjects, based on their needs and experience.

The course equips graduates with skills of entrepreneurship, marketing, business and management necessary for leadership in the profession.

It provides a more flexible entry point for international students into the Master of Advanced Architecture (C04240) (see page 410).

Course aims

This course provides an alternative pathway for students from outside UTS, or with previous qualifications obtained prior to the use of digital software for design generation, building performance analysis and documentation, to gain the skills, knowledge and academic experiences that make them eligible to continue into the Master of Advanced Architecture (C04240) (see page 410) in either urban design or design technologies.

Through the core architectural design studio subjects, graduates are equipped with strategic thinking, spatial organisation and visual design skills, and develop further their verbal and written communication abilities. Project-based studio subjects explore research, design concepts, implementation strategies and presentation techniques. Through the core professional practice subjects, students develop their knowledge of all aspects of industry and practice management, furthering their capacity for leadership in the profession, locally and internationally.

Career options

Career options are focused on leading design and technical innovation roles in architectural and urban design practice.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants require a professional entry degree of five-years, full-time or equivalent from an accredited program in architecture or a four-year, full-time or equivalent degree from an accredited program in landscape architecture. All applicants must submit a portfolio of work demonstrating their design skills for examination in addition to a statement of interest in the course.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is offered on a one-year, full-time basis.

Course structure

The course totals 48 credit points of selected Master of Architecture subjects made up of two 12-credit-point subjects in the architectural design stream, two 6-credit-point architectural practice subjects and two 6-credit-point electives.

Course completion requirements

CBK90631 Architectural Practice		12cp
Select one of the following:		12cp
CBK90815 Electives	12cp	
CBK90630 Electives	12cp	
CBK90627 Architectural Design		24cp
		Total 48cp

Further study at UTS

This course is a pathway into the Master of Advanced Architecture (C04240) (see page 410).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C07118v1 Graduate Diploma in Teaching English to Speakers of Other Languages

Award(s): Graduate Diploma in Teaching English to Speakers of Other Languages (GradDipTESOL)
UAC code: 940228 (CSP) (Autumn semester), 940229 (PDFP) (Autumn semester, Spring semester), 940230 (qualified teachers only distance CSP) (Autumn semester), 940231 (qualified teachers only distance PDFP) (Autumn semester, Spring semester)
CRICOS code: 008684B
Commonwealth-supported place?: Yes
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

UTS is a leading provider of postgraduate language and literacy courses, with academics who are published authors and internationally recognised experts in the field. This course meets the professional development needs of a wide range of English language teachers and educators teaching children, teenagers or adults. It caters for those seeking an initial teaching qualification in teaching English to adult speakers of other languages. It is also well suited to applicants who already possess a teaching qualification and wish to gain a specialist degree in the field as they are eligible for credit recognition.

Students study subjects that equip them with skills and knowledge to teach English in a variety of contexts, both local and international. The course features flexible study options with classes held at times suitable for full-time workers. It is designed by a team of experienced TESOL professionals who are familiar with the full range of English language teaching contexts. The graduate diploma explicitly meets the needs of students and educators in the following contexts:

- working with migrants and Indigenous students across all levels of education
- teachers wishing to change discipline areas
- teaching English in countries outside of Australia
- international students wishing to study TESOL with the possibility of extending into the master's of TESOL.

Course aims

The course aims to produce TESOL teachers who are knowledgeable, reflective and engaging in their practice, have well developed interpersonal skills, are keen to put current developments in learning and teaching into practice, and have a commitment to lifelong learning.

Career options

Career options include a teacher of English as a second language in Australia or a teacher of English in overseas contexts (applicants are advised to check with potential employing bodies regarding employment requirements).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local applicants apply through the Universities Admissions Centre.

International students

International students apply through UTS International.

Credit recognition

Graduates of the Graduate Certificate in Teaching English to Speakers of Other Languages (C11223) (see page 515) or equivalent teaching qualification (such as a primary or secondary school teaching qualification or an adult education teaching qualification) are eligible for 24 credit points of credit recognition.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

Students who receive 24 credit points of credit recognition may complete the course by distance, but only if relevant distance subjects are selected.

The subjects in STM90529 are run in standard weekly mode for TESOL students, except for 010071 Professional Practice 2 Language Literacy and Numeracy, which is run in block mode.

Course structure

The course comprises 48 credit points, made up of four compulsory core subjects (totalling 24 credit points) and four elective subjects (totalling 24 credit points). Not all electives are offered every semester.

Industrial training/professional practice

There is a practicum placement for subjects 010070 Professional Practice 1 Language Literacy and Numeracy and 010071 Professional Practice 2 Language Literacy and Numeracy.

Course completion requirements

CBK90829	Electives (TESOL foundation)	12cp
CBK90830	Electives (TESOL specialisation)	12cp
STM90529	Core subjects (TESOL)	24cp
		Total 48cp

Course program

The following examples show typical full-time and part-time programs for qualified teachers with credit recognition, and without credit recognition for those seeking an initial teaching qualification. Qualified teachers who receive a minimum of 24 credit points of credit recognition may complete the course by distance, but only if relevant distance subjects are selected.

Seeking an initial teaching qualification (no credit recognition), FT, Aut

Year 1

Autumn semester

013102	Introduction to Language	6cp
013958	Language Teaching Methodology	6cp
010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp

Spring semester

Select 24 credit points of electives 24cp

Seeking an initial teaching qualification (no credit recognition), FT, Spr

Year 1

Spring semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp
013958	Language Teaching Methodology	6cp

Year 2

Autumn semester

Select 24 credit points of electives 24cp

Teaching qualification graduates with credit recognition, FT, Aut

Year 1

Autumn semester

Select 24 credit points of electives 24cp

Teaching qualification graduates with credit recognition, FT, Spr

Year 1

Spring semester

Select 24 credit points of electives 24cp

Seeking an initial teaching qualification (no credit recognition), PT, Aut

Year 1

Autumn semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013958	Language Teaching Methodology	6cp

Spring semester

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp

Year 2

Autumn semester

Select 12 credit points of electives 12cp

Spring semester

Select 12 credit points of electives 12cp

Seeking an initial teaching qualification (no credit recognition), PT, Spr

Year 1

Spring semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013958	Language Teaching Methodology	6cp

Year 2

Autumn semester

013102	Introduction to Language	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp

Select 12 credit points of electives 12cp

Spring semester

Select 12 credit points of electives 12cp

Year 3

Autumn semester

Select 12 credit points of electives 12cp

Teaching qualification graduates with credit recognition, PT, Aut

Year 1

Autumn semester

Select 12 credit points of electives 12cp

Spring semester

Select 12 credit points of electives 12cp

Teaching qualification graduates with credit recognition, PT, Spr

Year 1

Spring semester

Select 12 credit points of electives 12cp

Year 2

Autumn semester

Select 12 credit points of electives 12cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Teaching English to Speakers of Other Languages (C11223) (see page 515), the Graduate Diploma in Teaching English to Speakers of Other Languages and the Master of Arts in Teaching English to Speakers of Other Languages (C04245) (see page 419).

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C07119v1 Graduate Diploma in Design

Award(s): Graduate Diploma in Design (GradDipDesign)
CRICOS code: 071750G
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

Unique in Australia, the course is intellectually vibrant, socially engaging, visionary, practice focused and actively linked to industry. This course is centred around building a design community network.

The course has two main components: specialised master classes led by a studio leader and industry partners and theory and technology subjects taught across the program.

The program focuses on and integrates research, industry collaboration, internationalisation and a design culture through the delivery of specialist, core and trans-disciplinary subjects. It provides a postgraduate education that is flexible in both its practice orientation and research integration.

With a focus on design evolution, innovative integration of new technologies, practice and student experimentation, the course is delivered by experienced studio leaders who are acknowledged leaders in the specific industries and professions.

Course aims

Designed to produce a balance between high levels of specialisation and lateral thinking, the program enables students to examine design from a trans-disciplinary perspective.

It enables students to explore design issues under the supervision of a practice leader, to learn new strategies and the application of research and theory. It supports best practices in postgraduate design education through learning and research strategies that critically examine design practice.

Graduates of this course are leaders in design and related industries through their expertise in product and service development. They are able to utilise strategic processes, creative tools and research skills for innovation in design.

The program provides a suite of subjects for postgraduate designers in the areas of interaction, strategy and enterprise, lighting design, technotextiles, and text and image. Common subjects explore related conceptual challenges and questions of visual expression in the quest to develop useful, usable and resonant designs. These include understanding and articulating the importance of 'user experience', the role of design in humanising information, the aesthetic and conceptual dynamics of effective communication, strategic thinking, and aspects of design management, branding and communication.

Career options

Graduates' careers are enhanced by high-level professional knowledge and skills for the workplace, with possession of specialised knowledge in advanced textiles, space and materials, interaction, sustainable design and innovation.

Course duration and attendance

The course is offered on a one-year, full-time or two-year, part-time basis.

Course structure

Students must complete 48 credit points of subjects.

Course completion requirements

CBK90669	Design Expertise choice	48cp
		Total 48cp

Exit award

This is an exit-only course for students enrolled in the Master of Design (C04243) (see page 417).

This course enables students enrolled in the master's course to exit after completing 48 credit points of study and gain a graduate diploma qualification.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C07120v1 Graduate Diploma in Media Arts and Production

Award(s): Graduate Diploma in Media Arts and Production (GradDipMAP)
UAC code: 940504 (Autumn semester, Spring semester)
CRICOS code: 032358E
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1
Location: City campus

Overview

The Graduate Diploma in Media Arts and Production is part of an articulated program in media arts and production that includes moving image, sound, digital media and interaction, and the interplay among these media.

Course aims

This course aims to provide students with core skills in moving image, digital media or sound production; expertise in one area of media arts and production; a capacity to think creatively and critically about, and contribute to, developments within the media industries; an awareness of industry practices in media production; the capacity to develop and critically revise their own work; and project management skills in the context of a media project.

Career options

Career options include various roles in a creative team across multiple modes of production and post-production of moving image, sound, digital media and interaction. Graduates have skills to develop their own media projects.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students who successfully completed the graduate certificate in the articulated program are eligible for credit recognition for completed subjects.

Course duration and attendance

The course is offered on a one-year, full-time or one-and-a-half-year, part-time basis.

Course structure

Students complete 48 credit points of study made up of three core subjects and three elective subjects.

Full-time students are required to undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

CBK90806	Electives (MAP)	24cp
STM90555	Core subjects (Media Arts and Production)	24cp
		Total 48cp

Course program

Below are examples of typical programs for full- and part-time students. Students can choose to complete core subjects and elective/sub-major subjects in any order, however, prerequisites may apply.

Autumn commencing, full time

Year 1

Autumn semester

57167	Moving Image	8cp
57989	Mise-en-Scene	8cp
57168	Sound and Interaction	8cp

Spring semester

Select 24 credit points of electives	24cp

Autumn commencing, part time

Year 1

Autumn semester

57167	Moving Image	8cp
57989	Mise-en-Scene	8cp

Spring semester

Select 8 credit points of electives	8cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
Select 8 credit points of electives		8cp

Spring semester

Select 8 credit points of electives	8cp

Spring commencing, full time

Year 1

Spring semester

57167	Moving Image	8cp
Select 16 credit points of electives		16cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp
Select 8 credit points of electives		8cp

Spring commencing, part time

Year 1

Spring semester

57167	Moving Image	8cp
Select 8 credit points of electives		8cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp

Spring semester

Select 8 credit points of electives	8cp

Year 3

Autumn semester

Select 8 credit points of electives	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Media Arts and Production (C11227) (see page 517), the Graduate Diploma in Media Arts and Production and the Master of Media Arts and Production (C04248) (see page 423).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C07121v1 Graduate Diploma in Midwifery Studies

Award(s): Graduate Diploma in Midwifery Studies (GradDipMidSt)
CRICOS code: Pending
Commonwealth-supported place?: No
Load credit points: 48
Course EFTSL: 1

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Note(s)

This course is not offered to international students.

Overview

This course aims to provide registered midwives with an opportunity to develop both their practice and professional roles and to develop the skills, attitudes and knowledge needed to meet the developing role of a midwife. In addition, the course aims to provide students with an avenue through which to further their clinical, research, teaching, leadership and/or management roles. The course is designed to offer students the opportunity to customise their program to meet personal learning needs or workplace requirements.

Course completion requirements

STM90530	Level 1 subjects (Midwifery)	24cp
STM90531	Level 2 subjects (Midwifery)	24cp
		Total 48cp

Articulation with UTS courses

This exit-only course is part of an articulated program comprising the Graduate Certificate in Midwifery Studies (C11226) (see page 517), the Graduate Diploma in Midwifery Studies and the Master of Midwifery (C04247) (see page 422).

Exit award

This is an exit-only course for students enrolled in the Master of Midwifery (C04247) (see page 422).

This course enables students enrolled in the master's course to exit after completing 48 credit points of study and gain a graduate diploma qualification.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11001v5 Graduate Certificate in Property and Planning

Award(s): Graduate Certificate in Property and Planning (GradCertPropPlan)
UAC code: 940102 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course provides a unique environment for planners and property developers to develop a mutual understanding of how to balance private and public interests in urban development. It has a strong focus on sustainable urban development.

The Graduate Certificate in Property and Planning is a foundation course for students who go on to study the Master of Planning (C04007) (see page 353) or the Master of Property Development (C04008) (see page 354). Both disciplines require close cooperation and this course shows students how to achieve better urban outcomes through closer partnerships between those building cities with those planning them.

Course aims

The course gives property development students an introduction to the rationale of planning and its legal framework, an introduction to the principles and practice of sustainable urban development and experience in developing a plan for a real-world urban renewal site.

It gives planning students a greater understanding of key issues in property development, such as valuation and feasibility.

The course provides students with a combination of experiential learning experiences, team working, exposure to practical skills development, together with a thorough understanding of economic, environmental and other knowledge underpinning urban management and development.

Career options

Career options are in banking and property investment, finance, government departments and agencies, local government, major development companies, management and development, and private consulting firms.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Appropriate first degrees include a bachelor's degree in planning, architecture, geography, economics, property economics, commerce, law, engineering and building. Students can hold an advanced TAFE diploma in a property-related discipline. Other qualifications may be accepted if supported by extensive relevant work experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-semester, full-time or one-year, part-time basis. It is delivered in face-to-face mode.

Course completion requirements

STM90502	Core subjects (Property and Planning)	24cp
		Total 24cp

Course program

An example course program is provided below.

Full time

Year 1

Autumn semester

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp
17700	Planning and Environmental Law	6cp

Select one of the following: 6cp

12535	Development Feasibility and Valuation	6cp
15222	Urban Design	6cp

Articulation with UTS courses

The Graduate Certificate in Property and Planning articulates into the Graduate Diploma in Planning (C07002) (see page 454) or the Graduate Diploma in Property Development (C06006) (see page 438).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C11005v5 Graduate Certificate in Project Management

Award(s): Graduate Certificate in Project Management (GradCertPM)
UAC code: 940104 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

With close industry contact, the course is delivered through block workshops designed to emulate project environments, giving students the opportunity to directly develop their ability to manage real projects. The program is rigorous, and is globally recognised for its tradition of excellence. The UTS program was the first Australian program to be accredited by the Project Management Institute's (PMI) Global Accreditation Centre. The foundation subjects are compatible with the structures used by the PMI and Australian Institute of Project Management (AIPM) to certify practitioners.

This program provides practice-based knowledge, skills and tools for the delivery of different types and sizes of projects and programs across all industry sectors, underpinned by theory and research. At the forefront of industry trends, the UTS program incorporates project complexity, program management, governance, reflective practice and leadership.

Course aims

Successful graduates of the course can:

- select from and apply a broad range of tools and methods used to manage projects
- demonstrate an understanding of reflective practice
- exhibit an understanding of the application of ethical principles to project management practice in a variety of settings both in Australia and internationally
- demonstrate an understanding of communication in a variety of forms across culturally diverse project contexts
- understand appropriate information systems for application within a project management context
- understand principles involved in managing relationships between key project stakeholders

- understand the principles of project team leadership in culturally diverse teams
- apply foundation level skills to problem analysis and decision-making.
- apply critical thinking and creative problem solving skills to project management contexts
- understand and apply basic research skills
- demonstrate foundation-level knowledge of systems thinking as it applies to project management.

Career options

The course is highly regarded by industry as providing in-demand, 'professionally excellent' graduates. Its focus on leadership, program management and governance increases the employability of graduates at senior levels in many local and international industries, including banking and finance, construction and engineering, event management, government, health and IT.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Admission is at the discretion of the course director. Students require a recognised undergraduate degree plus six months industry experience, or five years industry experience, or a recognised professional qualification with six months relevant work experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-semester, full-time or one-year, part-time basis.

The course is delivered in face-to-face mode (on campus or offshore in conjunction with selected education partners).

Course structure

Students complete four compulsory subjects totalling 24 credit points.

Course completion requirements

CBK90603	PM Foundation	24cp
		Total 24cp

Course program

A typical course program is shown below.

Year 1

Autumn or Spring semester

Select 24 credit points from the following options:		24cp
15315	Project Management Principles	6cp
15459	Project Management Methodologies	6cp
15316	Project Management Knowledge Areas	6cp
15312	Communication and Critical Thinking	6cp

Articulation with UTS courses

The course may be taken as a separate award or can articulate into, and form part of, the Master of Project Management (C04006) (see page 352). The project management program structure allows students a choice of entry requirements and study paths leading to the award of graduate certificate (24 credit points), Graduate Diploma in Project Management (C07004) (see page 455) (48 credit points), Master of Project Management (C04006) (see page 352) (72 credit points) and Master of Business Administration (Project Management major) (C04018) (see page 355) (96 credit points). Each stage is self-contained and can be undertaken through part-time or full-time study.

Professional recognition

This program is accredited by the Project Management Institute's (PMI) Global Accreditation Centre and the Royal Institute of Chartered Surveyors (RICS). It is endorsed by the Australian Institute of Project Management (AIPM), which is a member of the International Project Management Association (IPMA).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C11008v6 Graduate Certificate in Business Administration

Award(s): Graduate Certificate in Business Administration (GradCertBusAdmin)
CRICOS code: 018156K
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Business Administration provides foundation skills used in the general management of a business enterprise for non-graduates who have extensive business experience.

Course aims

General management skills are developed to provide expertise in strategic thinking, critical analysis, developing and implementing business plans, decision-making under uncertainty, understanding organisational dynamics, effective communication and promoting change.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course may be completed in one semester of full-time or one year of part-time study.

Course structure

The course comprises four of the core MBA subjects, totalling 24 credit points.

Course completion requirements

23706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
21800	Management and Organisations	6cp
21878	Organisational Dialogue: Theory and Practice	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Business Administration, the Graduate Diploma in Business Administration (C06009) (see page 439) and the Master of Business Administration (MBA) (C04018) (see page 355). Students who complete the graduate certificate at credit level or above may apply directly for admission into the MBA program.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11015v7 Graduate Certificate in Accounting and Finance

Award(s): Graduate Certificate in Accounting and Finance (GradCertAccFin)
CRICOS code: 022411K
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Accounting and Finance provides a general understanding of the basic elements of accounting and finance.

The course is designed for students without a strong undergraduate background in accounting and/or finance who need some of the key basic building blocks before proceeding to advanced-level subjects in a master's program. It is also appropriate for students who have no undergraduate degree but extensive practical experience and who can use the program to prove their ability to undertake postgraduate study.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is one-semester of full-time or one-year of part-time study.

Course structure

The course comprises 24 credit points of core subjects.

Course completion requirements

25742	Financial Management	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
79708	Contemporary Business Law	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Accounting and Finance, the Graduate Diploma in Accounting and Finance (C07012) (see page 456) and the Master of Business in Accounting and Finance (C04038) (see page 358).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11017v4 Graduate Certificate in Accounting Information Systems

Award(s): Graduate Certificate in Accounting Information Systems (GradCertAccIS)
CRICOS code: 020213K
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Accounting Information Systems provides a general understanding of the basic elements of accounting and related areas of study.

The course is designed for students without a strong undergraduate background in accounting who need some of the key basic building blocks before proceeding to advanced-level subjects in a master's program. It is also appropriate for students who have no undergraduate degree but extensive practical experience and who can use the program to prove their ability to undertake postgraduate study.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course may be completed in one semester of full-time or one year of part-time study.

Course structure

The course comprises 24 credit points of core subjects.

Course completion requirements

STM90343	Core subjects (Accounting Information Systems)	24cp
		Total 24cp

Course program

The course program is shown below.

22759	Accounting and ERP	6cp
22747	Accounting for Managerial Decisions	6cp
22766	Assurance for Enterprise Systems	6cp
22708	Accounting Information Systems	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Accounting Information Systems and the Master of Business in Accounting Information Systems (C04037) (see page 357).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11021v4 Graduate Certificate in Management

Award(s): Graduate Certificate in Management (GradCertM)
CRICOS code: 016932B
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus (Haymarket), although subjects may also be selected from among those offered at Kuring-gai campus

Overview

The Graduate Certificate in Management introduces students to knowledge and experiences that enhance their professional skills and understanding of the management of people, resources and organisational processes.

Course aims

The Graduate Certificate in Management is designed to meet the needs of individuals, client organisations and professional bodies for management education.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is one semester of full-time or one year of part-time study. It is offered mainly at City campus (Haymarket), although subjects may also be selected from among those offered at Kuring-gai campus.

Course structure

The course comprises 24 credit points of core subjects.

Course completion requirements

STM90734	Core subjects (Management)	24cp
		Total 24cp

Course program

The core subjects are shown below.

Core subjects

21717	International Management	6cp
21779	Management Skills	6cp
21844	Managing Work and People	6cp
21827	Change Management	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Management, the Graduate Diploma in Management (C07018) (see page 456) and the Master of Business in Management (C04229) (see page 397).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C11024v4 Graduate Certificate in Community and Not-for-Profit Management

Award(s): Graduate Certificate in Community and Not-for-Profit Management (GradCertCommunityNFPM)
Commonwealth-supported place?: Yes
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Community and Not-for-Profit Management provides a basic introduction to the field and develops skills and knowledge in the areas of financial management and funding.

The course is industry-relevant and flexible study modes are offered.

Career options

Career options include managing non-government or non-profit organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course duration is one year of part-time study.

It is taught in flexible mode including three intensive workshops of five days each, self-managed learning packages and learning partnerships to develop peer-supported networks.

Course structure

The course comprises 24 credit points of study, made up of four compulsory subjects.

Course completion requirements

21766	Managing Community Organisations	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
21817	Volunteer Management	6cp
21778	Resource Mobilisation	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Community and Not-for-Profit Management, the Graduate Diploma in Community and Not-for-Profit Management (C07019) (see page 457) and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11027v5 Graduate Certificate in Finance

Award(s): Graduate Certificate in Finance (GradCertFin)
CRICOS code: 020212M
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Finance provides an introduction to finance theory and practice. It is of particular interest to those working in the various fields of finance and banking whose backgrounds are in fields other than business, finance, commerce or accounting.

The course provides students with the opportunity to acquire knowledge of finance theory and techniques for leading-edge professional practice purposes.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in one semester of full-time or one year of part-time study.

Course structure

The course comprises 24 credit points, made up of four compulsory subjects.

Course completion requirements

25742	Financial Management	6cp
23706	Economics for Management	6cp
22747	Accounting for Managerial Decisions	6cp
25741	Capital Markets	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Finance, the Graduate Diploma in Finance (C07021) (see page 458) and the Master of Business in Finance (C04048) (see page 359).

Professional recognition

The course covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered.

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11033v6 Graduate Certificate in Arts Management

Award(s): Graduate Certificate in Arts Management (GradCertArtsM)
CRICOS code: 022835G
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus (Haymarket), although some subjects are offered at Kuring-gai campus

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Arts Management provides a basic introduction to the arts and cultural industries in Australia, and some fundamental management skills.

Course aims

The course provides both theoretical and applied knowledge relevant to Australia's contemporary arts and cultural environment and related industries.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis. It is offered at City campus (Haymarket).

Course structure

The course comprises 24 credit points of study, made up of four compulsory subjects.

Course completion requirements

27753	Arts and Cultural Industries	6cp
27755	Arts Organisations and Management	6cp
22747	Accounting for Managerial Decisions	6cp
27734	Marketing for the Experience Industries	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Arts Management, the Graduate Diploma in Arts Management (C07028) (see page 460) and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11035v6 Graduate Certificate in Tourism Management

Award(s): Graduate Certificate in Tourism Management (GradCertTourM)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus, although subjects may also be selected from among those offered at City campus (Haymarket)

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Tourism Management provides an introduction to the tourism industry and to relevant basic management skills.

The course has been developed to meet the demand for professionals with a high level of management expertise.

Course aims

Throughout the course, emphasis is placed on the acquisition of strategic planning skills for tourism development, management and marketing.

Career options

Career options include management, marketing and policy-analysis roles in national and regional tourism offices, hotels, airlines, tour operators, tourist attractions and events.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course duration is one year of part-time study. It is offered at Kuring-gai campus, although some subjects may be offered at City campus (Haymarket).

Course structure

The course comprises 24 credit points of study, made up of four compulsory subjects.

Course completion requirements

27735	Tourism and the Industry	6cp
27767	Tourist Behaviour	6cp
27706	Managing Tourism Services	6cp
27734	Marketing for the Experience Industries	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Tourism Management, the Graduate Diploma in Tourism Management (C07027) (see page 459) and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C11037v5 Graduate Certificate in Sport Management

Award(s): Graduate Certificate in Sport Management (GradCertSportM)
CRICOS code: 014222D
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus, although subjects may also be selected from among those offered at City campus (Haymarket)

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Sport Management provides a basic introduction to the sport industry environment in Australia and an introduction to basic management skills.

The course comprises core subjects designed to provide specific training in sport management.

Course aims

The course provides the theoretical knowledge needed to understand the changing nature of the Australian sport environment.

Career options

Career options include sport marketing and sponsorship, sport public relations, sport venue management, sport event management, human resource management in sport, player management, and sport policy development.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course duration is one year of part-time study. It is offered at Kuring-gai campus, although some subjects may be offered at City campus (Haymarket).

Course structure

The course comprises 24 credit points of study, made up of four compulsory subjects.

Course completion requirements

27732	Sport Organisations	6cp
27715	Sport Business	6cp
27717	Venue and Facility Management	6cp
27734	Marketing for the Experience Industries	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Sport Management, the Graduate Diploma in Sport Management (C07029) (see page 460) and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11038v5 Graduate Certificate in Event Management

Award(s): Graduate Certificate in Event Management (GradCertEvtM)
CRICOS code: 046113M
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus, Haymarket

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Event Management is designed to introduce students to the events field and develop their skills and knowledge relating to the management of various event forms.

Subjects in the program focus on the core skills and knowledge associated with event creation, operations and marketing.

Course aims

The course introduces key theoretical concepts and issues impacting upon the management of events.

Career options

Career options include festival organiser, conference organiser/meeting planner, charity event coordinator, sport event manager, hotel/resort/cruise ship event coordinator, exhibition organiser, venue manager and event creative director.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course duration is one year of part-time study. It is offered at City campus (Haymarket). Some subjects may be offered in intensive mode.

Course structure

The course comprises 24 credit points of study, made up of four compulsory subjects.

Course completion requirements

27727	Event Creation Workshop	6cp
27765	Event Management	6cp
27726	Event Concepts and Contexts	6cp
27737	Event Risk Management	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Event Management, the Graduate Diploma in Event Management (C06017) (see page 440) and the Master of Management (C04239) (see page 408).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C11039v4 Graduate Certificate in Marketing

Award(s): Graduate Certificate in Marketing (GradCertMktg)
CRICOS code: 020216G
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Marketing introduces some of the key dimensions of marketing and is designed for those requiring a general understanding of marketing principles.

This course provides contemporary theoretical marketing knowledge and the practical skills required for superior performance in Australian and international markets.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in one semester of full-time or one year of part-time study.

Course structure

The course comprises 24 credit points of study, made up of four subjects.

Course completion requirements

24710	Buyer Behaviour	6cp
24720	Marketing Research	6cp
24730	Marketing Strategy	6cp
24734	Marketing Management	6cp
		Total 24cp

Course program

Typical full-time and part-time programs are provided below, showing a suggested study sequence for students undertaking the course either full time or part time for Autumn semester commencement. Most of the subjects are offered in both Autumn and Spring semesters.

Typical full-time program

Year 1

Autumn semester

24734	Marketing Management	6cp
24710	Buyer Behaviour	6cp
24720	Marketing Research	6cp
24730	Marketing Strategy	6cp

Typical part-time program

Year 1

Autumn semester

24734	Marketing Management	6cp
24710	Buyer Behaviour	6cp

Spring semester

24720	Marketing Research	6cp
24730	Marketing Strategy	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Marketing, the Graduate Diploma in Marketing (C07031) (see page 461), and the Master of Business in Marketing (C04067) (see page 361).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11048v3 Graduate Certificate in Engineering

Award(s): Graduate Certificate in Engineering (GradCertE)
UAC code: 940302 (No specified) (Autumn semester, Spring semester), 940305 (Software Engineering) (Autumn semester, Spring semester), 940308 (Structural Engineering) (Autumn semester, Spring semester), 940311 (Telecommunication Networks) (Autumn semester, Spring semester), 940314 (Telecommunications Engineering) (Autumn semester, Spring semester), 940317 (Water Engineering) (Autumn semester, Spring semester), 940320 (Computer Control Engineering) (Autumn semester, Spring semester), 940323 (Energy Planning and Policy) (Autumn semester, Spring semester), 940326 (Local Government Engineering) (Autumn semester, Spring semester), 940332 (Manufacturing Engineering and Management) (Autumn semester, Spring semester), 940352 (Civil Engineering) (Autumn semester, Spring semester), 940357 (Integrated Logistic Support and Engineering Management) (Autumn semester, Spring semester), 940360 (Geotechnical Engineering) (Autumn semester, Spring semester), 940366 (Operations) (Autumn semester, Spring semester), 940369 (Systems Engineering) (Autumn semester, Spring semester), 940372 (Biomedical Engineering) (Autumn semester, Spring semester)
CRICOS code: 016935K
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

This course is designed to provide an opportunity for practising professional engineers or technologists to extend their engineering knowledge and to update their knowledge and skills in line with recent advances. It also allows graduates in related disciplines to undertake formal study in engineering, and may be of value to professionally qualified immigrant engineers seeking orientation to Australian conditions and practice.

This course is designed to provide an opportunity for practising professional engineers or technologists to extend their engineering knowledge and to update their knowledge and skills in line with recent advances. It also allows graduates in related disciplines to undertake formal study in engineering, and may be of value to professionally qualified immigrant engineers seeking orientation to Australian conditions and practice.

Career options

This course allows participants to enhance their ability to understand some principles of engineering either at a basic level or in the choice of their major.

This course is also popular among potential students who have been away from study for a while, and who want to gain current knowledge and understanding in their choice of major.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Candidates without a degree, but who have a TAFE diploma or equivalent and with suitable work experience, may also apply for this course. All applications are assessed individually.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University policy on credit recognition (www.gsu.uts.edu.au/policies/credit-recognition.html). The maximum amount of credit recognition granted is 6 credit points (without exception). Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

The course may be taken on a one-semester, full-time or one-year, part-time basis. Attendance in subjects is available in weekly, block and/or distance modes.

Classes are usually held in the evenings, in block and/or in distance mode.

Course structure

Students complete 24 credit points of study. Program details vary with the major and are determined prior to enrolment, in consultation with, and with the approval of, an academic adviser designated by the Director, Postgraduate Coursework Programs, UTS: Engineering.

Some program majors may require students to complete prescribed subjects with or without an opportunity for electives. In these cases, the area of program major is recognised on the candidate's academic record.

Subject selection should be clearly related to a professional theme.

A major need not be selected, though a major is granted if three subjects (18 credit points) are completed within a particular postgraduate program major.

Course completion requirements

CBK90329	Major choice	24cp
		Total 24cp

Course program

The tables below give details of each major: for each major there are three tables. The first lists the compulsory subjects and allowable option choices for the major. The next two tables show the subjects typically offered in Autumn and Spring semesters. Where an elective is specified, the subject is to be chosen from postgraduate subjects offered within the Faculty of Engineering and Information Technology, as listed in the elective option. Recommended programs take account of the semesters in which subjects are offered and the way the timetable is designed to avoid clashes. Some subjects are offered in weekly mode, others in block mode, and others in distance mode or a combination of modes.

List of majors

MAJ03453	Civil Engineering	24cp
MAJ03420	Computer Control Engineering	24cp
MAJ03421	Energy Planning and Policy	24cp
MAJ03451	Integrated Logistic Support and Engineering Management	24cp
MAJ03422	Local Government Engineering	24cp
MAJ03424	Manufacturing Engineering and Management	24cp
MAJ03425	Software Engineering	24cp
MAJ03426	Structural Engineering	24cp
MAJ03428	Telecommunications Engineering	24cp
MAJ03427	Telecommunication Networks	24cp
MAJ03429	Water Engineering	24cp
CBK90472	No specified major	24cp
MAJ03458	Geotechnical Engineering	24cp
MAJ03462	Operations	24cp
MAJ03465	Biomedical Engineering	24cp
MAJ03468	Systems Engineering	24cp

Civil Engineering major

Select three subjects from the following: 18cp

49002	Managing Projects	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49126	Environmental Management of Land	6cp
49131	Bridge Design	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49143	Civil Engineering Review 1	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49258	Pavement Analysis and Design	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49118	Applied Geotechnics	6cp

Select 6 credit points of electives 6cp

Civil Engineering major - subjects typically offered in Autumn

49002	Managing Projects	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49126	Environmental Management of Land	6cp
49136	Application of Timber in Engineering Structures	6cp

Civil Engineering major - subjects typically offered in Spring

49002	Managing Projects	6cp
49106	Road Engineering Practice	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49118	Applied Geotechnics	6cp

Computer Control Engineering major

Select one subject from the following: 6cp

49261	Biomedical Instrumentation	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Select two subjects from the following: 12cp

49048	Wireless Networking Technologies	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Select 6 credit points of electives 6cp

Computer Control Engineering major - subjects typically offered in Autumn

49048	Wireless Networking Technologies	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49275	Neural Networks and Fuzzy Logic	6cp

Computer Control Engineering major - subjects typically offered in Spring

49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
49274	Advanced Robotics	6cp

Energy Planning and Policy major

Select one of the following: 6cp

49021	Evaluation of Infrastructure Investments	6cp
49024	Energy Modelling	6cp

Select three subjects from the following: 18cp

49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49706	Regulatory Economics	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp

Energy Planning and Policy major - subjects typically offered in Autumn

49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49021	Evaluation of Infrastructure Investments	6cp

Energy Planning and Policy major - subjects typically offered in Spring

49024	Energy Modelling	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49706	Regulatory Economics	6cp

Integrated Logistic Support and Engineering Management major

49001	Judgment and Decision Making	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp

Integrated Logistic Support Eng Mg - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49309	Quality Planning and Analysis	6cp
49678	Reliability Availability and Maintainability	6cp

Integrated Logistic Support Eng Mg - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp

Local Government Engineering major

Select three subjects from the following: 18cp

49102	Traffic and Transportation	6cp
49258	Pavement Analysis and Design	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49121	Environmental Assessment and Planning	6cp
49126	Environmental Management of Land	6cp

Select 6 credit points of electives 6cp

Local Government Engineering major - subjects typically offered in Autumn

49102	Traffic and Transportation	6cp
49258	Pavement Analysis and Design	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49126	Environmental Management of Land	6cp

Local Government Engineering major - subjects typically offered in Spring

49106	Road Engineering Practice	6cp
49121	Environmental Assessment and Planning	6cp

Manufacturing Engineering and Management major

Select three subjects from the following: 18cp

49002	Managing Projects	6cp
49049	Air and Noise Pollution	6cp
49307	Internal Combustion Engines	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49928	Design Optimisation for Manufacturing	6cp
49312	Advanced Flow Modelling	6cp

Select 6 credit points of electives 6cp

Manufacturing Eng and Management - subjects typically offered in Autumn

49002	Managing Projects	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49928	Design Optimisation for Manufacturing	6cp

Manufacturing Eng and Management - subjects typically offered in Spring

49002	Managing Projects	6cp
49049	Air and Noise Pollution	6cp
49307	Internal Combustion Engines	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49312	Advanced Flow Modelling	6cp

Software Engineering major

32555	Fundamentals of Software Development	6cp

Select two subjects from the following: 12cp

49002	Managing Projects	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
32603	Systems Quality Management	6cp

Select one subject from the following: 6cp

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp

Software Engineering major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49306	Quality and Operations Management Systems	6cp

Software Engineering major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
49306	Quality and Operations Management Systems	6cp

Structural Engineering major

Select three subjects from the following: 18cp

49047	Finite Element Analysis	6cp
49131	Bridge Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49002	Managing Projects	6cp
49115	Facade Engineering	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49135	Wind Engineering	6cp
49143	Civil Engineering Review 1	6cp
49151	Concrete Technology and Practice	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Select 6 credit points of electives 6cp

Structural Engineering major - subjects typically offered in Autumn

49002	Managing Projects	6cp
49047	Finite Element Analysis	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49136	Application of Timber in Engineering Structures	6cp
49135	Wind Engineering	6cp
49151	Concrete Technology and Practice	6cp

Structural Engineering major - subjects typically offered in Spring

49002	Managing Projects	6cp
49118	Applied Geotechnics	6cp
49131	Bridge Design	6cp
49150	Prestressed Concrete Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Telecommunications Engineering major

Select one of the following: 6cp

49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp

Select two subjects from the following: 12cp

49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49048	Wireless Networking Technologies	6cp
42890	4G Mobile Technologies	6cp
49201	Integrated Services Networks	6cp
49238	Telecommunication Networks Management	6cp
49249	Telecommunications Engineering Review	6cp
49223	Satellite Communication Systems	6cp

Select 6 credit points of electives 6cp

Telecommunications Engineering - subjects typically offered in Autumn

49048	Wireless Networking Technologies	6cp
42890	4G Mobile Technologies	6cp
49205	Transmission Systems	6cp
49249	Telecommunications Engineering Review	6cp

Telecommunications Engineering - subjects typically offered in Spring

49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49238	Telecommunication Networks Management	6cp
49249	Telecommunications Engineering Review	6cp

Telecommunication Networks major

Select one of the following: 6cp

49202	Communication Protocols	6cp
49238	Telecommunication Networks Management	6cp

Select one subject from the following: 6cp

49202	Communication Protocols	6cp
49238	Telecommunication Networks Management	6cp
49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49249	Telecommunications Engineering Review	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp

Select one subject from the following: 6cp

49202	Communication Protocols	6cp
49238	Telecommunication Networks Management	6cp
49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49249	Telecommunications Engineering Review	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
32570	Enterprise Software Architecture and Middleware	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp

Select 6 credit points of electives 6cp

Telecommunication Networks major - subjects typically offered in Autumn

49048	Wireless Networking Technologies	6cp
49202	Communication Protocols	6cp
32555	Fundamentals of Software Development	6cp

Telecommunication Networks major - subjects typically offered in Spring

49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49238	Telecommunication Networks Management	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
32570	Enterprise Software Architecture and Middleware	6cp

Water Engineering major

Select three subjects from the following: 18cp

49107	Urban Stormwater Design	6cp
49117	Floodplain Risk Management in NSW	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49122	Ecology and Sustainability	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49116	Contaminated Site and Waste Remediation	6cp
49126	Environmental Management of Land	6cp
49285	Emergency Management	6cp

Select 6 credit points of electives 6cp

Water Engineering major - subjects typically offered in Autumn

49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49256	Flood Estimation	6cp
49126	Environmental Management of Land	6cp

Water Engineering major - subjects typically offered in Spring

49117	Floodplain Risk Management in NSW	6cp
49122	Ecology and Sustainability	6cp
49255	Catchment Modelling	6cp
49116	Contaminated Site and Waste Remediation	6cp
49285	Emergency Management	6cp

No specified major

Select 24 credit points of options 24cp

Geotechnical Engineering major

Select three subjects from the following: 18cp

49102	Traffic and Transportation	6cp
49116	Contaminated Site and Waste Remediation	6cp
49118	Applied Geotechnics	6cp
49106	Road Engineering Practice	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49126	Environmental Management of Land	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49143	Civil Engineering Review 1	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp

Select 6 credit points of electives 6cp

Geotechnical Engineering - subjects typically offered in Autumn

49102	Traffic and Transportation	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49126	Environmental Management of Land	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp

Geotechnical Engineering - subjects typically offered in Spring

49106	Road Engineering Practice	6cp
49116	Contaminated Site and Waste Remediation	6cp
49118	Applied Geotechnics	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp

Operations major

49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49989	Operations Engineering	6cp

Select 6 credit points from the following options: 6cp

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp

Operations major - subjects typically offered in Autumn

49001	Judgment and Decision Making	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49989	Operations Engineering	6cp

Operations major - subjects typically offered in Spring

49001	Judgment and Decision Making	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49680	Value Chain Engineering Systems	6cp
49989	Operations Engineering	6cp

Systems Engineering major

49004	Systems Engineering for Managers	6cp
32569	Enterprise Business Requirements	6cp
49655	Integrated Logistic Support	6cp

Select 6 credit points of electives 6cp

Systems Engineering major - subjects typically offered in Autumn

49004	Systems Engineering for Managers	6cp
32569	Enterprise Business Requirements	6cp
49655	Integrated Logistic Support	6cp

Systems Engineering major - subjects typically offered in Spring

49004	Systems Engineering for Managers	6cp

Biomedical Engineering major

49261	Biomedical Instrumentation	6cp

Select one of the following: 6cp

91400	Human Anatomy and Physiology	6cp
91429	Physiological Bases of Human Movement	6cp

Select 12 credit points from the following options: 12cp

49275	Neural Networks and Fuzzy Logic	6cp
49274	Advanced Robotics	6cp
49048	Wireless Networking Technologies	6cp
32555	Fundamentals of Software Development	6cp
91705	Medical Devices and Diagnostics	6cp
91403	Medical Imaging	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp

Biomedical Engineering major - subjects typically offered in Autumn

91429	Physiological Bases of Human Movement	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49048	Wireless Networking Technologies	6cp
32555	Fundamentals of Software Development	6cp
91403	Medical Imaging	6cp

Biomedical Engineering major - subjects typically offered in Autumn

49261	Biomedical Instrumentation	6cp
91400	Human Anatomy and Physiology	6cp
49274	Advanced Robotics	6cp
91705	Medical Devices and Diagnostics	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp

Articulation with UTS courses

Study undertaken in this course may be credited in full towards a Master of Engineering (C04090) (see page 362) or Master of Engineering Studies (C04097) (see page 367) provided the entry requirements of the master's degrees are met. Completion of the course requirements does not guarantee admission to master's candidature. Eligibility for consideration may be subject to the attainment of a certain level of performance, typically a weighted average mark in completed subjects of at least 65 per cent over 18 credit points.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11051v3 Graduate Certificate in Environmental Engineering Management

Award(s): Graduate Certificate in Environmental Engineering Management (GradCertEEM)

UAC code: 940336 (Autumn semester, Spring semester), 940343 (distance) (Autumn semester, Spring semester)

CRICOS code: 025809G

Commonwealth-supported place?: No

Load credit points: 24

Course EFTSL: 0.5

Location: City campus or distance

Overview

This course deals with the broad aspects of environmental management relevant to practising professionals in engineering science, planning, architecture, law, surveying, health and building. Engineers, scientists, town planners and other professionals working in this field have a compelling duty to ensure that the adverse effects of development on the total environment are minimised.

Environmental engineering and management is high on the political agenda. It also has a high professional priority. Students develop a background and competence in environmental management.

Course aims

The course aims to develop an awareness and understanding of the human impact on the environment with respect to waste minimisation and water quality management, and the professional skills required to work as part of an integrated team responsible for environmental planning and management.

Career options

This course is of relevance to practising professionals in architecture, building, engineering science, health, law, planning and surveying.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in engineering, science, design, architecture, building, surveying or planning. Provisional admission for graduates from other disciplines is available provided the education contained an adequate introduction to mathematics and physical sciences. Applicants without a degree, but who have a TAFE diploma or equivalent and with suitable work experience, may also apply for this course. All applications are assessed individually.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University's policy on credit recognition (www.gsu.uts.edu.au/policies/credit-recognition.html). The maximum amount of credit recognition granted is 6 credit points (without exception). Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

The normal attendance pattern, based on two subjects a semester, requires a minimum of one year to complete the course. This degree is also available to full-time, fee-paying international students who complete the degree in one semester.

The block attendance pattern of study currently consists of three sessions a semester, each session involving three full days of attendance. To complete two subjects in a semester, three full days of attendance are required at each session. To complete one subject in a semester, one-and-a-half days of attendance at each session are required. Subjects may also be taken in distance mode.

Students who want to undertake the course in distance mode may have to follow a restricted course structure as not all subjects are offered in distance mode.

Course structure

Students complete three subjects chosen from a core list of subjects (Group A) and one subject from an electives list (Group B), totalling 24 credit points of study.

Course completion requirements

CBK90360	Electives choice (Group B)	6cp
CBK90359	Core subject choice (Group A)	18cp
		Total 24cp

Course program

Subject lists are shown below.

Select three subjects from the following:			18cp
49049	Air and Noise Pollution	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49121	Environmental Assessment and Planning	6cp	
49122	Ecology and Sustainability	6cp	
49123	Waste and Pollution Management	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49125	Environmental Risk Assessment	6cp	
49126	Environmental Management of Land	6cp	
49127	Decentralised Water and Wastewater Treatment	6cp	
49257	Geographic Information Systems	6cp	
Select one subject from the following:			6cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49108	Local Government Powers and Practice	6cp	

Articulation with UTS courses

Work undertaken in this course may be credited in full towards the Master of Environmental Engineering Management (C04098) (see page 374) provided the requirements of the master's degree are met, in terms of subject coverage and project weighting.

However, completion of the requirements for the graduate certificate does not guarantee admission to master's candidature.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11053v5 Graduate Certificate in Local Government Management

Award(s): Graduate Certificate in Local Government Management (GradCertLGM)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

This course is not offered to international students.

Overview

Today's local government manager must have a high level of professional expertise together with a broad range of managerial skills and a sound understanding of the special characteristics of local government. The Graduate Certificate in Local Government Management is tailored to the local government environment, allowing managers to meet their differing professional needs, while keeping up-to-date with the latest issues.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course completion requirements

15608	Corporate Management and Organisational Change		6cp
15604	Local Government Management Principles and Practice 1		6cp
Select 12 credit points from the following options:			12cp
15609	Local Environmental Management	6cp	
15610	Local Government Leadership: Personal and Professional Skills	6cp	
15602	Social Planning and Development	6cp	
15603	Integrated Strategic Planning	6cp	
15606	Vocational Competencies 1	6cp	
15607	Vocational Competencies 2	6cp	
			Total 24cp

Exit award

With prior approval, students who have completed 24 credit points of study in the Graduate Diploma in Local Government Management (C06033) (see page 440) can exit their studies with a Graduate Certificate in Local Government Management.

Other information

Further information is available from:

Gabrielle Watterson

Administration Officer

telephone +61 2 9514 1659

fax +61 2 9514 2274

email Gabrielle.Watterson@uts.edu.au

www.clg.uts.edu.au

C11054v2 Graduate Certificate in Engineering Management

Award(s): Graduate Certificate in Engineering Management (GradCertEM)
UAC code: 940338 (Autumn semester, Spring semester), 940345 (distance) (Autumn semester, Spring semester)
CRICOS code: 024395M
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus and distance

Note(s)

This course is also offered offshore. It is available in Hong Kong. The language of tuition is English.

Overview

Many working engineers and technologists do not have the time to commit to a master's course. However, the demand for management knowledge among engineers is increasing. The Graduate Certificate in Engineering Management is designed to provide management knowledge which can be tailored to fit students' needs.

The course is designed to provide practised engineers with extended knowledge beyond their first degree and to update knowledge and skills in recent advances in engineering, technology and business practice.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree, but who have a TAFE diploma or equivalent and with suitable work experience, may also apply for this course. All applications are assessed individually.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583

overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Credit recognition is considered in accordance with the University policy on credit recognition. The maximum amount of credit recognition granted is 6 credit points (without exception). Further information is available at:

www.eng.uts.edu.au/courses/postgraduate/credit-recognition.html

Course duration and attendance

The course can be completed in one semester of full-time or one year of part-time study. Subjects may be taken in the evening or by distance mode.

Students who want to undertake the course in distance mode may have to follow a restricted course structure as not all subjects are offered in distance mode.

Course structure

Students complete 24 credit points of study. A minimum of 18 credit points comes from the core of the Master of Engineering Management and the remainder from core or elective subjects. Elective subjects are to be chosen from postgraduate subjects offered within the Faculty of Engineering and Information Technology as listed in the elective option.

Course completion requirements

CBK90116	Core subjects		18cp
Select 6 credit points from the following options:			6cp
CBK90230	Elective	6cp	
			Total 24cp

Course program

The list of available subjects is shown below.

Select 18 credit points from the following options:			18cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49004	Systems Engineering for Managers	6cp	
49309	Quality Planning and Analysis	6cp	
49680	Value Chain Engineering Systems	6cp	
Select one of the following:		6cp	
22747	Accounting for Managerial Decisions	6cp	
49098	Engineering Financial Control	6cp	
Select one of the following:		6cp	
21844	Managing Work and People	6cp	
49069	Leadership and Responsibility	6cp	
Select 6 credit points of electives			6cp

Subjects typically offered in Autumn

21844	Managing Work and People	6cp
22747	Accounting for Managerial Decisions	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Subjects typically offered in Spring

21844	Managing Work and People	6cp
22747	Accounting for Managerial Decisions	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Articulation with UTS courses

All the subjects in this course are taken from the Master of Engineering Management (C04094) (see page 366) (MEM) and may be credited towards the MEM on successful admission to that program.

Other information

Further information is available from:

Building 1 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11057v2 Graduate Certificate in Engineering Management

Award(s): Graduate Certificate in Engineering Management (GradCertEM)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Hong Kong

Note(s)

This course is only offered offshore. It is available in Hong Kong. The language of tuition is Modern Standard Chinese.

It is the Chinese language version of the Graduate Certificate in Engineering Management (C11054) (see page 487). It is offered through the Hong Kong Management Association.

Overview

Many working engineers and technologists do not have the time to commit to a full master's course. However, the demand for management knowledge among engineers is increasing. The Graduate Certificate in Engineering Management is designed to provide management knowledge that can be tailored to fit students' needs.

The course is designed to provide practised engineers with extended knowledge beyond their first degree and to update knowledge and skills in recent advances in engineering, technology and business practice.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without formal qualifications should produce evidence of general and professional qualifications sufficient to show the educational preparation and capacity to pursue graduate studies as well as have two years of relevant work experience.

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course can be completed in one year of part-time study. This time can be reduced if additional subjects are studied in the January to March semester. The program is structured for weekend and distance mode attendance.

Course structure

Students complete 24 credit points of study.

Course completion requirements

Select 24 credit points from the following options:			24cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49309	Quality Planning and Analysis	6cp	
49069	Leadership and Responsibility	6cp	
49098	Engineering Financial Control	6cp	
			Total 24cp

Articulation with UTS courses

All the subjects in this course are taken from the Master of Engineering Management (C04085) (see page 361) (MEM) and may be credited towards the MEM on successful admission to that program.

Other information

Further information is available from:

Francine Ngai

Hong Kong Management Association

telephone +852 2774 8578/8586

or

Xenia Wong

telephone +852 2774 8565

fax +852 2365 1000

16/F Tower B, Southmark

11 Yip Hing Street, Wong Chuk Hang

Hong Kong

email uts@hkma.org.hk

www.hkma.org.hk

C11058v4 Graduate Certificate in Journalism

Award(s): Graduate Certificate in Journalism (GradCertJournalism)
UAC code: 940502 (Autumn semester, Spring semester)
CRICOS code: 017901A
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Journalism is part of an articulated program of study for people who want to start a journalism career, and for experienced journalists wanting to broaden their skills and professional technological expertise and refresh the intellectual basis of their practice.

This is the only program of its kind in Sydney, where the Australian media is increasingly concentrating. The journalism staff at UTS has a record of excellence in professional practice reflected in media contacts. In addition, the course has close links with the Australian Centre for Independent Journalism, which provides a professional setting for student work.

Course aims

Graduates of the program:

- have strong research and reporting skills
- have a knowledge and critical understanding of the media
- are equipped with the necessary skills to either enter professional practice in the media or continue with additional skills and intellectual depth
- strive to promote the important role of professional and ethical journalism in the service of the public, and
- have an understanding of the role of the media in local, regional, national and global contexts.

Career options

Career options include reporter or editor in local, corporate, national or international print or broadcast media organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

Students complete a total of 24 credit points, comprising one 8-credit-point core subject, plus two 8-credit-point electives from the specified list of options.

The core subject must be undertaken in the first semester. Students may complete an elective in their first semester of study in addition to the core subject if they meet prerequisite requirements.

Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90817	Core subjects (Journalism)	8cp
CBK90896	Electives (Journalism)	16cp
		Total 24cp

Course program

The example part-time program shown below is for Autumn-commencing students. Students commencing in Spring semester undertake the same sequence of subjects.

Autumn commencing, part time

Year 1

Autumn semester

57011	Research and Reporting for Journalism	8cp

Spring semester

Select 16 credit points from the following options:			16cp
57161	Investigative Journalism	8cp	
57012	Regulation of the Media	8cp	
57013	Journalism Studies	8cp	
57014	Feature Writing	8cp	
57021	Journalism Internship	8cp	
57138	International and Comparative Journalism	8cp	
57150	Editing and Design	8cp	
57151	Storytelling with Sound and Image	8cp	
57152	Investigative Research in the Digital Environment	8cp	
57155	Online Journalism	8cp	
57156	Radio Journalism	8cp	
57158	Television and Video Journalism	8cp	
57166	Documentary Production	8cp	
57184	Documentary: Expanded, Mobile and Networked	8cp	
57187	Specialist Journalism	8cp	

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Journalism, the Graduate Diploma in Journalism (C06037) (see page 441) and the Master of Arts in Journalism (C04106) (see page 376). Students who successfully complete this course and who are admitted to the graduate diploma or master's course are eligible for credit recognition for completed subjects.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11066v5 Graduate Certificate in Screenwriting

Award(s): Graduate Certificate in Screenwriting (GradCertScrWrt)
UAC code: 940507 (Autumn semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Screenwriting is part of an articulated program designed to meet a range of needs for people who want to start a career in writing, and for experienced writers wanting to further develop their theoretical knowledge and skills.

Course aims

Students in this course:

- develop general and specific skills in screenwriting
- have the opportunity to develop their screenwriting skills intensively
- develop some critical knowledge of cultural and aesthetic debates
- advance an ability to develop and critically revise their own work, and
- develop an awareness of the place of writing within contemporary cultural formations.

Career options

Career options include scriptwriter for short- and long-form drama.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis. Students must commence in Autumn semester.

Course structure

The course totals 24 credit points of study, consisting of three core subjects. The core subject, 57142 Writing for the Screen, must be undertaken in the first semester of study.

Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90814	Core subjects (Screenwriting)	16cp
CBK90894	Electives (Screenwriting)	8cp
		Total 24cp

Course program

The typical course program is shown below.

Autumn commencing, part time

Year 1

Autumn semester

57142	Writing for the Screen	8cp

Spring semester

57101	Advanced Screenwriting	8cp

Select 8 credit points from the following options: 8cp

57041	Narrative Writing	8cp
57154	Writing Television Drama	8cp
57989	Mise-en-Scene	8cp
57178	Digital and Multiplatform Storytelling	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Screenwriting, the Graduate Certificate in Editing and Publishing (C11071) (see page 490), the Graduate Diploma in Creative Writing (C06041) (see page 442) and the Master of Arts in Creative Writing (C04109) (see page 377). Students who successfully complete this course and who are admitted to the graduate diploma or master's course are eligible for credit recognition for completed subjects. To be eligible to articulate into the Master of Arts in Creative Writing (C04109) (see page 377), students must complete at least two postgraduate writing subjects with a distinction grade or higher.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11071v3 Graduate Certificate in Editing and Publishing

Award(s): Graduate Certificate in Editing and Publishing (GradCertEditPubl)
UAC code: 940515 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

The Graduate Certificate in Editing and Publishing is part of an articulated program designed to meet a range of needs for people who want to start a career in writing and for experienced writers wanting to further develop their theoretical knowledge and skills.

Graduates are able to develop and critically revise their own and others' work and are aware of the place of writing within contemporary cultural formation. They have general skills in creative writing in fiction or non-fiction and a critical knowledge of cultural and aesthetic debates. Students also develop specific industry-based skills in book editing and publishing.

Career options

Career options include editor, publisher and writer.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

This course totals 24 credit points, consisting of two 8-credit-point core subjects and one 8-credit-point subject from a specified list.

Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

CBK90260	Writing subjects	8cp
STM90813	Core subjects (Editing and Publishing)	16cp
		Total 24cp

Course program

Typical course programs are shown below.

Autumn commencing, part time

Year 1

Autumn semester

57046	Professional Editing	8cp

Spring semester

57053	Book Publishing and Marketing	8cp

Select 8 credit points from the following options: 8cp

57031	Non-fiction Writing	8cp
57041	Narrative Writing	8cp
57145	Freelance Writing	8cp

Spring commencing, part time

Year 1

Spring semester

57053	Book Publishing and Marketing	8cp

Select 8 credit points from the following options: 8cp

57031	Non-fiction Writing	8cp
57041	Narrative Writing	8cp
57145	Freelance Writing	8cp

Year 2

Autumn semester

57046	Professional Editing	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Screenwriting (C11066) (see page 490), the Graduate Certificate in Editing and Publishing, the Graduate Diploma in Creative Writing (C06041) (see page 442) and the Master of Arts in Creative Writing (C04109) (see page 377). Students who successfully complete this course and who are admitted to the graduate diploma or master's course are eligible for credit recognition for completed subjects. To be eligible to articulate into the Master of Arts in Creative Writing (C04109) (see page 377), students must complete at least two postgraduate writing subjects with a distinction grade or higher.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11106v3 Graduate Certificate in Mental Health Nursing

Award(s): Graduate Certificate in Mental Health Nursing (GradCertN)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course is not offered in 2014.

This course is not offered to international students.

Overview

This course is designed to provide registered nurses with the knowledge, expertise and competencies for advanced practice in mental health nursing.

Registered nurses wanting to develop and extend their knowledge of mental health nursing practice find this course an effective means of professional and personal development.

Course aims

The course is designed to prepare mental health nurses who:

- have the knowledge, skills and understandings to practise safely and competently in a variety of mental health care settings
- demonstrate an understanding of the experience of the consumer and the ability to work in collaboration with consumers in their care
- have the capacity to work effectively as members of a multidisciplinary team
- critically examine and appraise their own practice and develop and modify their approaches as necessary
- actively contribute to the professional development of others
- value research processes in their day-to-day practice
- are committed to the development of the discipline of mental health nursing.

Career options

Career options include positions in mental health nursing.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students who successfully complete a university-approved mental health transition program are eligible to apply for exemption from 92869 Specialty Clinical Practice.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and online learning. Part-time study is usually undertaken at a rate of two subjects a semester. The normal attendance is four or five days on campus spread over the semester.

Course structure

Students must complete a total of 24 credit points, comprising four specified subjects.

Course completion requirements

92604	Mental Health Assessment	6cp
92869	Specialty Clinical Practice	6cp
92876	Therapeutic Interventions in Mental Health Care	6cp
92605	Therapeutic Interventions in Mental Health Care 2	6cp
		Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C11107v8 Graduate Certificate in Health Services Management

Award(s): Graduate Certificate in Health Services Management (GradCertHSM)
UAC code: 940820 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course offers a mid-year intake for local students.

This course is not offered to international students.

Overview

This course is an introduction to health services management and aims to expand students' knowledge and future career opportunities. The program develops students' knowledge and skills, which leads to an enhanced capacity to manage health services.

Graduates of this course are exposed to academic and industry leaders who share their experience and knowledge to facilitate insight into the contemporary health service management environment.

Course aims

This course is designed to prepare new, aspiring and middle health managers for roles in health services management in a variety of settings.

Career options

Career options include positions in health authorities, hospitals, primary and community care, aged care services, and other healthcare facilities in the public, private, not-for-profit, government and non-government health sectors.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who do not have an undergraduate degree but who have extensive relevant work experience in a health or human services field may also be considered eligible.

Applicants must have at least a minimum of one year, full-time (or part-time equivalent) experience in a medium to large organisation. Health or human services experience is preferred. Work experience undertaken in small work settings (e.g. private practice settings with a small number of professionals) or as part of intern requirements are not accepted.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study. Part-time students usually study two subjects a semester.

Course structure

Students must complete a total of 24 credit points, selecting four of the six subjects offered by UTS: Health.

Course completion requirements

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp
CBK90948	Electives (Health Services)	12cp
		Total 24cp

Course program

The recommended program of study is shown below.

Autumn commencing, part time

Year 1

Autumn semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp

Spring semester

Select 12 credit points from the following options:		12cp
92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Spring commencing, part time

Year 1

Spring semester

92638	Foundations of the Australian Healthcare System	6cp
92917	Using Health Care Data for Decision Making	6cp
Select 12 credit points of options		12cp

Year 2

Autumn semester

Select 12 credit points from the following options:		12cp
92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp

Articulation with UTS courses

This course is part of an articulated program which comprises the Graduate Certificate in Health Services Management (C11107), the Graduate Diploma in Health Services Management (C07048), and the Master of Health Services Management (C04140) (see page 378).

Professional recognition

Australasian College of Health Service Management (ACHSM)

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Dr Jennifer Bichel-Findlay

Course coordinator

email Jennifer.Bichel-Findlay@uts.edu.au

www.health.uts.edu.au

C11109v8 Graduate Certificate in Clinical Management

Award(s): Graduate Certificate in Clinical Management (GradCertCM)
UAC code: 940840 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course offers a mid-year intake for local students.

This course is not offered to international students.

Overview

This course is designed for health professionals aspiring to management positions which involves the management of clinical services, as well as for those already holding such positions who wish to enhance their professional practice through formal study.

Course aims

The broad aims of the course are for students to develop capabilities in the management of clinical services so that they are able to:

- understand the Australian health care environment
- explore and analyse the effects of changes in health care on their work role and environment
- provide leadership to staff providing quality care
- enhance their interpersonal and organisational skills
- enhance interpersonal and organisational skills
- more effectively manage information and resources
- promote an effective organisational culture.

Career options

Career options include management positions in hospitals, aged care, rehabilitation and primary care. The enhanced interpersonal and organisational skills graduates acquire in this course enable graduates to effectively manage a unit or division providing direct clinical services and lead it to provide quality care.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

This evidence may include extensive relevant work experience in a health care profession.

Applicants must have at least one year's full-time equivalent experience in a medium to large organisation. Work experience undertaken in small work settings (e.g. private practice settings with a small number of professionals) or as part of intern requirements are not accepted.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Applications

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and online learning. Part-time students usually study two subjects a semester.

Course structure

Students must complete a total of 24 credit points of study, comprising four specified nursing subjects.

Course completion requirements

STM90757	Clinical Management	24cp
		Total 24cp

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C11115v4 Graduate Certificate in Diabetes Education and Management

Award(s): Graduate Certificate in Diabetes Education and Management (GradCertDiabEdM)
UAC code: 940845 (Autumn semester), 940890 (distance) (Autumn semester)
CRICOS code: 037128A
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus (Sydney), Brisbane

Note(s)

This course is not offered to international students.

Overview

This course is offered in conjunction with UTS: Education. It develops appropriately qualified students for work as health professionals in the area of diabetes education and management.

Students have strong involvement with academics and clinicians from major teaching hospitals, diabetes centres and Diabetes Australia-NSW or Diabetes Australia-Queensland.

Career options

Career options include diabetes educators and managers in a variety of settings.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in a health-related field such as nursing, allied health or medicine.

Applicants must also have at least one year's full-time professional employment in their health-related discipline, part of which has been in a diabetes-related clinical area. It is assumed that applicants have a basic knowledge of the practice of diabetes education and management. Applicants must also have access to a relevant clinical setting in order to complete supervised clinical experience (applicants need to organise their own placement).

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Applications

This course is offered in block mode in Sydney and Brisbane. Note, for administrative purposes only, students attending in Brisbane need to enrol in the course as distance rather than block.

Course duration and attendance

The course is offered on a one-year, part-time basis. It is studied through four blended online subjects, which include two residential workshops. The workshops are offered in Sydney and Brisbane.

Course structure

Students must complete a total of 24 credit points of study, comprising three specified UTS: Health subjects and one specified UTS: Education subject.

Course completion requirements

92934	Clinical Management of Diabetes	6cp
92845	Primary Health Care	6cp
015356	Learning in Diabetes Education	6cp
93006	Clinical Practice (Diabetes)	6cp
		Total 24cp

Professional recognition

Upon completion of the course, Registered Nurses Div 1 RNs (Vic), Authorised Practising Dieticians, Registered Medical Practitioners, Registered Pharmacists (AACP), (SHPA), Registered Podiatrists and Registered Exercise Physiologists can gain Credentialed Diabetes Educator status authorised by the Australian Diabetes Educators Association (ADEA).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C11116v5 Graduate Certificate in Perioperative Nursing

Award(s): Graduate Certificate in Perioperative Nursing (GradCertN)
UAC code: 940850 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course offers a mid-year intake for local students.

This course is not offered to international students.

Overview

This course prepares registered nurses to function as perioperative nurses in various health care settings.

Course aims

The course is designed to encourage the development of a perioperative nurse who is able to provide holistic, patient-centred care in a collaborative manner during anaesthesia, surgery and recovery. It promotes a deep understanding of complex perioperative issues as they relate to patient outcomes within a global context.

Career options

Career options include specialty perioperative nursing in day surgery settings, perioperative suites/units and endoscopy suites.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and online learning. Part-time study is usually undertaken at a rate of two subjects a semester. The normal attendance per subject is four full days spread over the semester.

Course structure

Students are required to complete a total of 24 credit points of study, comprising three specified nursing subjects and one nursing elective (92713 Health Breakdown elective is recommended as this subject can be used to articulate/progress into Graduate Diploma or Master of Nursing).

There are structured, work-based learning opportunities for employees of Northern Sydney Local Health District (NSLHD), Sydney Local Health District (SLHD) and North Shore Private Hospital. These students may undertake a Clinical Accreditation Program (CAP) with these organisations. This is at no cost to participants. Students who successfully complete a CAP are awarded exemption from Specialty Clinical Practice. If students change their sub-major they may need to redo a CAP related to the new sub-major or complete subject Specialty Practice.

Course completion requirements

Select one of the following:			6cp
92869	Specialty Clinical Practice	6cp	
STM90489	Clinical Accreditation Program (SLHD)	6cp	
STM90490	Clinical Accreditation Program (NSLHD)	6cp	
92881	Foundations of Perioperative Nursing		6cp
92882	Techniques in Perioperative Nursing		6cp
Select one of the following:			6cp
92713	Health Breakdown	6cp	
CBK90056	Nursing subjects (PG)	6cp	
			Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Marika Jenkins

Course coordinator

telephone +61 2 9514 5124

email Marika.Jenkins-1@uts.edu.au

www.health.uts.edu.au

C11117v5 Graduate Certificate in Anaesthetics and Recovery Room Nursing

Award(s): Graduate Certificate in Anaesthetics and Recovery Room Nursing (GradCertN)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course is available for new admissions every second year. The next intake is in 2015.

This course is not offered to international students.

Overview

This course prepares registered nurses to function in anaesthetic nurse sedationist and recovery room nursing roles in various health care settings.

Course aims

The course promotes a deep understanding of complex anaesthetics and postanaesthesia recovery room unit issues as they relate to patient outcomes. It is designed to encourage the development of an anaesthetics and postanaesthesia recovery room nurse who is able to provide holistic, patient-centred care during anaesthesia and recovery from surgical and procedural interventions, and in a range of traditional and non-traditional settings.

Career options

Career options include specialty anaesthetics and recovery room nursing, and nurse sedationist roles in perioperative settings, endoscopy and day surgery units and other interventional/procedural settings.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days (a three-day workshop each semester) and online learning. Part-time study is usually undertaken at a rate of two subjects a semester.

Course structure

Students must complete a total of 24 credit points, comprising three specified nursing subjects and one nursing elective (92713 Health Breakdown is recommended as this subject can be used to articulate/progress into the Graduate Diploma or Master of Nursing).

There are structured, work-based learning opportunities for employees of Northern Sydney Local Health District (NSLHD) and North Shore Private Hospital. These students may undertake a Clinical Accreditation Program (CAP) with these organisations. This is at no cost to participants. Students who successfully complete a CAP are awarded exemption from subject Specialty Clinical Practice. If students change their sub-major they may need to redo a CAP related to the new sub-major or do the subject Specialty Clinical Practice.

Course completion requirements

92905	Dimensions of Anaesthesia Nursing		6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing		6cp
Select one of the following:			6cp
92869	Specialty Clinical Practice	6cp	
STM90490	Clinical Accreditation Program (NSLHD)	6cp	
Select one of the following:			6cp
92713	Health Breakdown	6cp	
CBK90056	Nursing subjects (PG)	6cp	
			Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Marika Jenkins

Course coordinator

telephone +61 2 9514 5124

email Marika.Jenkins-1@uts.edu.au

www.health.uts.edu.au

C11118v4 Graduate Certificate in Critical Care Nursing

Award(s): Graduate Certificate in Critical Care Nursing (GradCertN)
UAC code: 940855 (Autumn semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course is not offered to international students.

Overview

This course prepares registered nurses to function as critical care nurses in various health care settings.

Students develop the specialised skills and knowledge to become critical care nurses and to recognise and support the unique characteristics of the critical care patient population.

Course aims

The course is designed to provide the necessary knowledge, skills and understanding to enable registered nurses to:

- practise safely and competently in the specialty of critical care nursing
- synthesise specialty knowledge, skills and expertise in order to enhance the quality of care for patients and their families
- make appropriate clinical judgments in relation to care of critically ill people
- critically evaluate their practice and incorporate research findings and technologies when appropriate
- develop the ability to actively contribute to the professional development of others
- appropriately counsel and support patients and their families as they deal with their health and lifestyle adjustments
- use research in order to make informed decisions about nursing practice.

Career options

Career options include specialty critical care nursing.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and supported by online learning. Part-time study is usually undertaken at a rate of two subjects a semester. The normal attendance per subject is four full days on campus spread over the semester.

Course structure

Students must complete a total of 24 credit points of study, comprising four specified nursing subjects.

There are structured, work-based learning opportunities for students who are employees of Northern Sydney Local Health District (NSLHD - Royal North Shore Hospital, Ryde Hospital, Hornsby Kuring-gai Hospital, Manly Hospital, Mona Vale Hospital), Westmead Private Hospital or North Shore Private Hospital. These students may undertake a Clinical Accreditation Program (CAP) with these organisations. This is at no cost to participants. Students who successfully complete a CAP are awarded exemption from subject Specialty Clinical Practice. If students change their sub-major they may need to redo a CAP related to the new sub-major or do the subject Specialty Practice.

Course completion requirements

92919	Complex Critical Care		6cp
92918	Fundamentals of Critical Care Nursing		6cp
92713	Health Breakdown		6cp
Select one of the following:			6cp
92869	Specialty Clinical Practice	6cp	
STM90490	Clinical Accreditation Program (NSLHD)	6cp	
			Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C11119v3 Graduate Certificate in Neuroscience Nursing

Award(s): Graduate Certificate in Neuroscience Nursing (GradCertN)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course is not offered in 2014.

This course is not offered to international students.

Overview

This course prepares registered nurses to become neuroscience nurses in various health care settings.

Students develop specialised skills and knowledge needed to become neuroscience nurses and learn to recognise and support the unique characteristics of the neuroscience patient population.

Course aims

The course is designed to impart the necessary knowledge, skills and understanding to enable registered nurses to:

- practise safely and competently in the specialty of neuroscience nursing
- synthesise specialty knowledge, skills and expertise in order to enhance the quality of care for patients and their families
- make appropriate clinical judgments in relation to the care of people with neurological problems
- critically evaluate their practice to enhance professional practice
- develop the ability to actively contribute to the professional development of others
- appropriately counsel and support patients and their families as they deal with their health and lifestyle adjustments
- use research in order to make informed decisions about nursing practice.

Career options

Career options include specialty neuroscience nursing.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and online learning. Part-time study is usually undertaken at a rate of two subjects a semester. The normal attendance per subject is four full days spread over the semester.

Course structure

Students must complete a total of 24 credit points, comprising four specified nursing subjects.

There are structured, work-based learning opportunities for students who are employees of Northern Sydney Local Health District (NSLHD). These students may undertake a Clinical Accreditation Program (CAP) with NSLHD. This is at no cost to participants. Students who successfully complete a CAP are awarded exemption from subject Specialty Clinical Practice. If students change their sub-major they may need to redo a CAP related to the new sub-major or do the subject Specialty Practice.

Course completion requirements

92713	Health Breakdown		6cp
Select one of the following:			6cp
92869	Specialty Clinical Practice	6cp	
STM90490	Clinical Accreditation Program (NSLHD)	6cp	
92920	Neuroscience: Trauma and Cerebrovascular		6cp
92921	Neuroscience: Degenerative and Oncological		6cp
			Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.health.uts.edu.au

C11125v4 Graduate Certificate in Dispute Resolution

Award(s): Graduate Certificate in Dispute Resolution (GradCertDispRes)
UAC code: 940403 (Autumn semester, Spring semester)
CRICOS code: 032360M
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Dispute Resolution, a first in Australia, focuses on the wide range of non-adversarial dispute resolution processes. A comprehensive range of subjects is available accommodating distinct streams such as commerce, family, community and court-annexed programs.

Dispute resolution at UTS focuses on experiential learning involving a fusion of critical and reflective thinking paradigms with the application of theory in practical, work-based contexts.

The mixture of experience-based learning and formal lectures by professional practitioners give students a hands-on understanding of the full range of dispute resolution processes from negotiation, through the consensual processes, to decisional theory.

Career options

Career options include arbitrator, managers, negotiator and professionals in a wide range of areas such as health and education, government and industrial relations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who provide evidence of equivalent work experience are also considered.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of one semester of full-time or one year of part-time study. The core introductory subject is offered in intensive block mode over several days of attendance at the beginning of semester. The options are taught in intensive block mode over several full days of lectures, workshops and seminars.

Course structure

The course requires completion of a core introductory subject (6 credit points) plus a further three subjects (18 credit points).

Subjects are regularly timetabled but not all subjects listed are offered in any one semester. Timetabled subjects are offered subject to sufficient student interest. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

79771	Dispute Resolution		6cp
Select 18 credit points from the following options:			18cp
77746	Advanced Mediation	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77792	Crisis Negotiation	6cp	
77761	Dispute Resolution in Commerce	6cp	
77760	Family Dispute Resolution	6cp	
77751	International Commercial Arbitration	6cp	
77745	Negotiation	6cp	
77740	Research Paper	6cp	
77867	Workplace Dispute Resolution	6cp	
77783	International Commercial Dispute Resolution	6cp	
77850	Psychology and Dispute Resolution	6cp	
78029	Mediation Practice	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
78138	Facilitation	6cp	
78247	Collaborative Law	6cp	
		Total	24cp

Articulation with UTS courses

Graduate certificate candidates may internally transfer to the Master of Dispute Resolution (C04145) (see page 382). Candidates are not awarded the graduate certificate, rather subjects undertaken within the graduate certificate are credited towards the master's.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11130v4 Graduate Certificate in Trade Mark Law and Practice

Award(s): Graduate Certificate in Trade Mark Law and Practice (GradCertTMLP)
UAC code: 940410 (distance) (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: distance

Overview

UTS has established expertise and a reputation for providing courses relevant to the needs of the patent and trade marks professions. This course reflects the range of topics required for registration as a trade marks attorney in Australia under the relevant regulations.

This course provides graduates with an understanding of the principles of the registered trade mark system, the protection of unregistered marks and related forms of protection against misleading or unfair trading conduct in Australia.

The unique feature of this course is that it may be undertaken entirely online, removing the need for students to attend face-to-face classes.

Career options

Graduates can seek registration as a trade marks attorney in Australia.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have not gained the requisite tertiary qualifications may be provisionally admitted into the program if they can provide evidence of equivalent work experience. Such applicants should also contact the Professional Standards Board to clarify the full requirements for registration as a trade marks attorney.

Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

UTS may grant successful applicants advanced standing or exemption from one or more subjects, but the Professional Standards Board for Patent and Trade Marks Attorneys (PSB) has no authority to recognise, for the purpose of registration as a patent attorney or trade marks attorney, such exemptions. Students intending to seek registration need to seek exemption from the PSB. Further information is available from:

The Secretary

Professional Standards Board for Patent and Trade Marks Attorneys

PO Box 200

Woden ACT 2606

telephone +61 2 6283 2345

fax +61 2 6285 1048

email mail.psb@ipaustralia.gov.au

www.psb.gov.au

Exemptions are generally not granted for subjects not primarily directed to Australian law.

Course duration and attendance

The course can be completed in a minimum of one semester of full-time or one year of part-time study (timetabling restrictions apply).

The subjects within this course are available online by distance learning and require no on-campus attendance. All lectures, tutorials, course materials and assessments are distributed by a combination of web-based technology and electronic media. Students conduct all communication with the lecturer by electronic means.

Course structure

The course requires completion of 24 credit points of core subjects.

Subjects are timetabled annually, but not all subjects are offered every semester. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

STM90743 Stream	24cp
	Total 24cp

Articulation with UTS courses

Graduate certificate candidates may apply to internally transfer to the Master of Intellectual Property (C04251) (see page 427). Successful candidates are not awarded the graduate certificate but subjects undertaken within the graduate certificate are applied towards the Master of Industrial Property.

Professional recognition

Subject to final board approval, the educational requirements for registration as a patent attorney and trade marks attorney in Australia with the Australian Government's Professional Standards Board for Patent and Trade Marks Attorneys can be fulfilled by completing this course.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11138v6 Graduate Certificate in Information Technology Management

Award(s): Graduate Certificate in Information Technology Management (GradCertInfTechM)
UAC code: 940614 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course focuses on the role of technology in the strategic leadership of organisations. It provides a well-balanced selection of subjects, drawn from advanced information technology and business domains, in an integrated program that is relevant to the current and future demands of the IT industry and business organisations.

IT professionals who have aspirations to senior IT roles and/or business leadership positions in organisations benefit from this course. Graduates are able to contribute constructively to the effective utilisation of information technology with respect to the strategic leadership of an organisation. IT managers who already have significant levels of experience are challenged by this course and gain new perspectives on the effective leadership of organisations in the digital era.

Course aims

The course aims to develop:

- the professional skills necessary for successfully undertaking strategic leadership roles in a variety of organisational contexts, and
- a conceptual and analytical understanding of an organisation's needs in a dynamic and challenging global knowledge economy.

Career options

Graduates can be employed in the full range of organisations - private, public and community sector organisations. They can manage the IT function of such organisations and develop a career path that leads to a senior IT management role.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in information technology or commerce and applicants must have a minimum of five years' professional work experience in the IT industry, plus some supervisory experience.

Alternatively, applicants require evidence of general and professional qualifications, such as other post-secondary school qualifications that can establish the applicant's aptitude, knowledge and practical experience, which will satisfy the Faculty Board in Engineering and Information Technology that the applicant possesses the educational preparation and capacity to pursue postgraduate studies, and a minimum of five years' professional work experience in the IT industry, plus some supervisory experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

Students must complete 24 credit points of study, made up of three core subjects and one elective.

Course completion requirements

32553	Leadership and People Management	6cp
CBK90083	Electives	6cp
32005	Strategic Leadership for Innovation	6cp
42990	Organisational Design for the Knowledge Era	6cp
		Total 24cp

Course program

A typical part-time program for students commencing in Autumn semester is shown below.

Year 1

Autumn semester

32553	Leadership and People Management	6cp
42990	Organisational Design for the Knowledge Era	6cp

Spring semester

32005	Strategic Leadership for Innovation	6cp
Select 6 credit points of electives		6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Information Technology Management, the Graduate Diploma in Information Technology Management (C06060) (see page 444), and the Master of Business in Information Technology Management (C04161) (see page 387).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11142v6 Graduate Certificate in Information Technology

Award(s): Graduate Certificate in Information Technology (GradCertInfTech)
UAC code: 940604 (Autumn semester, Spring semester)
CRICOS code: 061398A
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

This course offers two separate streams: one for those who have little or no knowledge of IT and one for IT professionals.

Stream 1 provides an introduction to information technology for those uncertain of their capabilities in the discipline, or those who wish to gain only a very basic knowledge of the area.

Stream 2 enables those with an IT or related degree to undertake a specialised sequence of subjects in an area not covered in their previous studies.

This course allows IT professionals to update their knowledge and skills in an essential area of IT to assist in career development. This course also provides a basic foundation for those wanting to enter the IT industry and gain basic skills in IT.

Career options

Career options include database developer, junior programmer/analyst or business analyst.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course an equivalent degree can be from any discipline (as applicants for this program may apply as a non-IT graduate or an IT graduate).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

There are no exemptions granted in the Graduate Certificate in Information Technology.

Course duration and attendance

The course is offered on a one-semester, full-time or one-year, part-time basis.

Course structure

This course comprises 24 credit points of study.

- Stream 1: Students normally take four of the core subjects offered in the Graduate Diploma in Information Technology (C06058) (see page 443) but may, with the approval of the Director, Postgraduate Programs: IT, take up to two of the electives offered in the graduate diploma in place of core subjects.
- Stream 2: Subjects are normally taken from the list of elective subjects offered in the Graduate Diploma in Information Technology (C06058) (see page 443).

Course completion requirements

Select one of the following:		24cp
STM90695 Core subjects	24cp	
CBK90802 Choice	24cp	
	Total 24cp	

Course program

An example course program is shown below.

Non-IT graduates

Year 1

Autumn semester

32555	Fundamentals of Software Development	6cp
32524	LANS and Routing	6cp
32557	Enabling Enterprise Information Systems	6cp
32606	Database	6cp

IT graduates

Year 1

Autumn semester

Select 24 credit points of electives	24cp

Articulation with UTS courses

This course is part of an articulated program of study comprising the Graduate Certificate in Information Technology, the Graduate Diploma in Information Technology (C06058) (see page 443), the Master of Information Technology (C04157) (see page 384) and the Master of Information Technology (Extended) (C04218) (see page 391).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11143v3 Graduate Certificate in Interactive Multimedia

Award(s): Graduate Certificate in Interactive Multimedia (GradCertIMM)
UAC code: 940607 (Autumn semester, Spring semester)
CRICOS code: 030865B
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

This course is designed for students from a wide variety of disciplines who may or may not already be working in areas of multimedia. It enables students to gain new areas of knowledge or broaden existing areas.

While this program is managed by the Faculty of Engineering and Information Technology, it is a joint program between the Faculty of Engineering and Information Technology, the Faculty of Arts and Social Sciences, and a number of other teaching faculties.

The program is designed to educate the innovators and future leaders of the various professions working in multimedia. Graduates acquire the fundamentals in multimedia, underpinning an up-to-date, flexible set of production skills in their own specialised area.

Course aims

A defining characteristic of multimedia education at UTS is the integration of theory and practice in all of the relevant disciplines and professions. The course aims to develop students' professional skills for direct application in the workplace, while providing a solid overview and understanding of the social, historical and industrial role of multimedia communication technologies. Graduates are prepared for a career in a rapidly growing and changing industry.

Career options

Career options include positions in digital media, the mobile web, information architecture, interaction design, new media, web design, web development and web project management. Various events are organised throughout the year to showcase student work and give students the opportunity to speak with industry professionals, including recruiters.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without an undergraduate degree require a diploma and considerable relevant professional experience, or substantial senior professional experience.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Places in the course are limited and applicants should indicate an informed understanding of how their undergraduate qualifications or work experience fit with their proposed multimedia studies to open up future career directions.

Credit recognition

Given the interdisciplinary focus and teamwork emphasis of this course, credit recognition and subject exemptions are not normally granted for other postgraduate study or work experience.

Course duration and attendance

The course normally takes one semester of full-time or one year of part-time study.

Course structure

The course comprises 24 credit points of study made up of two core subjects and two elective subjects, which may include core subjects for students intending to exit the program at graduate certificate level.

Course completion requirements

CBK90302	Electives (Interactive Multimedia)	12cp
Select 12 credit points from the following options:		12cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
		Total 24cp

Course program

The following example shows a part-time program commencing in Autumn semester. Elective subjects may be chosen from across the University and must be approved by the multimedia program leader and then the relevant faculty.

Year 1

Autumn semester

Select 12 credit points from the following options:		12cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp

Spring semester

Select 12 credit points of electives	12cp

Articulation with UTS courses

This course is part of an articulated program of study comprising the Graduate Certificate in Interactive Multimedia, the Graduate Diploma in Interactive Multimedia (C07078) (see page 466), and the Master of Interactive Multimedia (C04158) (see page 385).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11145v6 Graduate Certificate in Internetworking

Award(s): Graduate Certificate in Internetworking (GradCertInternetworking)
UAC code: 940611 (Autumn semester, Spring semester)
CRICOS code: 063424K
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

This course is intended for computing science, information technology or engineering graduates with or without networking experience who wish to learn or extend their knowledge of networking and networking technologies. As students come from a variety of backgrounds, there is a degree of subject choice in the program to meet individual needs.

The Internetworking program provides practical, hands-on learning experience using resources provided by Cisco Systems. The program covers all aspects of the organisational use of networking.

Course aims

The program aims to:

- meet the needs of industry for networking specialists
- retrain IT professionals wishing to move into networking and internetworking

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

- provide a thorough and practical grounding in networking and in network design, administration and management, and
- provide a solid foundation for the writing of networked applications using Unix, Java and WWW technologies.

Career options

Career options include IT/network support, junior systems programmer or other positions in data communications.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications are preferred in computing science, information technology, computer engineering, telecommunications, or a related discipline.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Assumed knowledge

Two years' experience in networking or in another position in the IT industry is desirable. Applicants without work experience are also considered.

Credit recognition

Applicants may apply for exemptions if they have successfully completed studies of a comparable standard from a recognised university.

There are no exemptions granted for the networking subjects 32524 and 32521 without the successful completion of the challenge test for each of the above. A challenge test is required even for holders of a CCNA or CCNP certification and those who have passed the CCNA curriculum in TAFE Certificate IV and/or Diploma. These challenge tests are always held in the week prior to the commencement of classes.

Course duration and attendance

The course duration is one semester of full-time or one year of part-time study.

Course structure

The course totals 24 credit points of study, made up of four subjects.

Course completion requirements

CBK90747	Internetworking choice	6cp
STM90730	Core subjects	18cp
		Total 24cp

Course program

Below is a typical example of a full-time program commencing in Autumn semester.

Students undertaking the graduate certificate full time and who wish to complete 32521 WANs and VLANs are unable to complete the course in one semester as this subject has a prerequisite of 32524 LANS and Routing.

Year 1

Autumn semester

32118	Mobile Communications and Computing	6cp
32524	LANS and Routing	6cp
32547	UNIX Systems Programming	6cp
CBK90747	Internetworking choice	6cp

Articulation with UTS courses

This course forms part of an articulated program comprising the Graduate Certificate in Internetworking, the Graduate Diploma in Internetworking (C07080) (see page 467), the Master of Science in Internetworking (C04160) (see page 386) and the Master of Science in Internetworking (Extended) (C04224) (see page 393).

Professional recognition

Students can prepare for CCNA (Cisco Certified Network Associate) industry certification.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11190v5 Graduate Certificate in Strategic IT Leadership

Award(s): Graduate Certificate in Strategic IT Leadership (GradCertSITL)
UAC code: 940625 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course is designed for those who want to develop a broader understanding of the strategic value of technology for business organisations.

Students gain a 'big picture' view of the global knowledge economy and the need for a strong understanding of the role of technology in effective business leadership. The course focuses specifically on the strategic value of technology and on the leadership implications thereof for the creative management of intangible assets such as morale, social, knowledge and human capital. On completion of the course, graduates are recognised as having broad technology frames of reference with respect to business leadership in a dynamic global knowledge economy.

Course aims

This course aims to provide graduates with broad strategic leadership frames of reference and knowledge bases. It also alerts business leaders (with or without an IT background) to the increasingly important role that technology plays in business success and its potential for disrupting conventional business models and practices.

Career options

Career options include senior management roles.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in information technology or commerce and applicants must have a minimum of five years' professional work experience, plus some supervisory experience.

Alternatively, applicants require evidence of general and professional qualifications, such as other post-secondary school qualifications that can establish the applicant's aptitude, knowledge and practical experience, which will satisfy the Faculty Board in Engineering and Information Technology that the applicant possesses the educational preparation and capacity to pursue postgraduate studies, and a minimum of five years' professional work experience, plus some supervisory experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with

TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Exemption from subjects in the program is not normally given on the basis of previous study or work experience.

Course duration and attendance

The course is completed in one year on a part-time basis only.

Course structure

The course comprises 24 credit points of study, made up of four core subjects that can be taken in any order subject to timetable availability.

Course completion requirements

42990	Organisational Design for the Knowledge Era	6cp
32005	Strategic Leadership for Innovation	6cp
32553	Leadership and People Management	6cp
32703	Information Technology Strategy	6cp
		Total 24cp

Further study at UTS

Graduates can enrol in a range of graduate diploma or master's-level courses after completing the certificate. The most appropriate of these would be the Master of Business in IT Management (C04161) (see page 387) or a Master of Business Administration (C04018) (see page 355).

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11192v1 Graduate Certificate in Information Technology Project Management

Award(s): Graduate Certificate in Information Technology Project Management (GradCertITPM)
UAC code: 940631 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

This course provides advanced professional studies in IT project management.

Students gain an understanding of the business context and develop conceptual and analytical approaches to IT project management. Graduates of this course are well placed to move into a project management role.

Course aims

The course aims to:

- explain the business context and technical developments shaping contemporary IT project management
- develop knowledge and skills in IT project management processes
- develop conceptual and analytical approaches to IT project management, and
- develop theoretical and practical competencies in technical and people management.

Career options

Career options include positions in project management.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications should normally be in computing/information technology or a related field. If the previous qualification is not in a relevant field, applicants also require a graduate diploma in computing/information technology (or related discipline) from a recognised Australian university and/or relevant work experience.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

Students complete 24 credit points of study consisting of two core subjects and two elective options from CBK90770.

Course completion requirements

32541	Project Management	6cp
32603	Systems Quality Management	6cp
CBK90770	Options	12cp
		Total 24cp

Course program

A typical part-time program for students commencing in Autumn semester is shown below.

Year 1

Autumn semester

32541	Project Management	6cp
32603	Systems Quality Management	6cp

Spring semester

Select 12 credit points of options	12cp

Articulation with UTS courses

The course articulates with the Master of Information Technology (C04157) (see page 384) and the Master of Business in Information Technology Management (C04161) (see page 387) depending on the student's professional experience.

Other information

Further information is available from:

Building 10 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11194v1 Graduate Certificate in Children's Nursing

Award(s): Graduate Certificate in Children's Nursing (GradCertN)
UAC code: 940870 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course offers a mid-year intake for local students.

This course is not offered to international students.

Overview

The course has been designed to provide registered nurses with the skills and knowledge required for a specialist role in children's nursing. It develops and extends students' knowledge of children's nursing practice and management. It is also an effective means of professional and personal development.

Course aims

The course aims to develop the knowledge, skills and understanding required to practise safely and competently in a variety of children's nursing settings. Students develop this understanding through hospital and community paediatric care settings.

Career options

Graduates are well equipped to work as part of a multidisciplinary team, and are able to appraise and develop their own practice and contribute to the professional development of others.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and online learning. Part-time study is usually undertaken at a rate of two subjects a semester. The normal attendance per subject is four full days spread over the semester.

Course structure

Students must complete a total of 24 credit points, comprising four specified nursing subjects.

There are structured, work-based learning opportunities for students who are employees of the Sydney Children's Hospital Network (Randwick and Westmead campuses). These students may undertake a Clinical Accreditation Program (CAP) with these organisations. This is at no cost to participants. Students who successfully complete a CAP are awarded exemption from subject Specialty Clinical Practice. If students change their sub-major they may need to redo a CAP related to the new sub-major or do the subject Specialty Practice.

Course completion requirements

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92878	Care of the Child in Illness and Disability	6cp
92902	Care of the Acutely Ill Child	6cp
		Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Janet Green

Course coordinator

email Janet.Green@uts.edu.au

www.health.uts.edu.au

C11195v1 Graduate Certificate in Clinical Teaching

Award(s): Graduate Certificate in Clinical Teaching (GradCertN)
UAC code: 940875 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course offers a mid-year intake for local students.

This course is not offered to international students.

Overview

This course is designed to provide registered nurses and midwives with the skills to meet the increased demands to deliver quality teaching in clinical settings. Nurses and midwives engage in clinical teaching at many different levels: with students and new graduates, in orientation programs, and with communities through health promotion activities. Notwithstanding this diversity, the principles of adult learning apply to all.

Students have the opportunity to plan, develop, implement and evaluate a program of clinical education within their own practice area. This course provides a portable qualification and highly sought-after skills.

Course aims

This course aims to ensure that graduates are able to plan effective programs in diverse clinical settings for a variety of learners.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse or midwife in Australia. Registered nurses or midwives who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must have one year of post-registration clinical experience.

Students' current nursing/midwifery registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

Students must complete a total of 24 credit points, comprising three specified nursing subjects and one nursing elective.

Course completion requirements

Select one of the following:			6cp
92713	Health Breakdown	6cp	
CBK90056	Nursing subjects (PG)	6cp	
92869	Specialty Clinical Practice		6cp
92848	Facilitation of Clinical Learning		6cp
92607	Education for Practice Development		6cp
			Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (Education major) (C04228) (see page 395) (for registered nurses only).

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Janet Green

Course coordinator

email Janet.Green@uts.edu.au

www.health.uts.edu.au

C11196v1 Graduate Certificate in Neonatal Nursing

Award(s): Graduate Certificate in Neonatal Nursing (GradCertN)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course is available for new admissions every second year. The next intake is in 2015.

This course is not offered to international students.

Overview

The course has been designed to give registered nurses the skills and knowledge for a specialist role in neonatal nursing. It develops and extends knowledge of neonatal nursing practice and management, and is also an effective means of professional and personal development.

Course aims

The course aims to develop the knowledge, skills and understanding needed to practise safely and competently in a variety of neonatal nursing settings, including the care of both sick and healthy infants.

Career options

Graduates are well equipped to work within a multidisciplinary team, and are able to appraise and develop their own practice and contribute to the professional development of others.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days and online learning. Part-time study is usually undertaken at a rate of two subjects a semester. The normal attendance per subject is four full days spread over the semester.

Course structure

Students must complete a total of 24 credit points, comprising four specified nursing subjects.

Course completion requirements

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92871	Perinatal Development	6cp
92895	Issues in Neonatal Care	6cp
		Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Janet Green

Course coordinator

email Janet.Green@uts.edu.au

www.health.uts.edu.au

C11198v2 Graduate Certificate in Human Resource Management

Award(s): Graduate Certificate in Human Resource Management (GradCertHRM)
CRICOS code: 055278D
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Human Resource Management introduces participants to knowledge and experiences in the areas of industrial relations and human resource management.

The course acknowledges that while the personnel and industrial functions are sometimes separately exercised within organisations, each has a pervasive effect on the other.

Course aims

The Graduate Certificate in Human Resource Management provides participants with the opportunity to study at a professional level, to improve the quality of their strategic management skills.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course duration is one semester of full-time or one year of part-time study.

Course structure

The course comprises 24 credit points of core subjects.

Course completion requirements

STM90733	Core subjects (HRM)	24cp
		Total 24cp

Course program

The core subjects are shown below.

Core subjects

21844	Managing Work and People	6cp
21720	Human Resource Management	6cp
21800	Management and Organisations	6cp
21779	Management Skills	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Human Resource Management, the Graduate Diploma in Human Resource Management (C07113) (see page 470) and the Master of Business in Human Resource Management (C04227) (see page 395).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C11199v3 Graduate Certificate in Operations and Supply Chain Management

Award(s): Graduate Certificate in Operations and Supply Chain Management (GradCertOSCM)
CRICOS code: 055277E
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Operations and Supply Chain Management provides a solid introduction to business operations management for those wishing to gain some experience in this area.

Course aims

The course introduces participants to the nature and contribution of supply chain and operational management functions in the organisational context.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

If the previous qualification is not in a related field, applicants require a minimum of two years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is one semester of full-time or one year of part-time study.

Course structure

The course comprises 24 credit points of core subjects.

Course completion requirements

STM90732	Core subjects	24cp
		Total 24cp

Course program

Typical part-time programs are provided below, showing a suggested study sequences for students undertaking the course full time for Autumn and Spring semester commencements.

Typical part-time program, Autumn commencing

Year 1

Autumn semester

21741	Managing Operations	6cp
21743	Business Excellence	6cp

Spring semester

21797	Strategic Supply Chain Management	6cp

Select one of the following: 6cp

21779	Management Skills	6cp
21877	Strategic Procurement	6cp

Typical part-time program, Spring commencing

Year 1

Spring semester

21741	Managing Operations	6cp
21779	Management Skills	6cp

Year 2

Autumn semester

21743	Business Excellence	6cp
21797	Strategic Supply Chain Management	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Operations and Supply Chain Management, the Graduate Diploma in Operations and Supply Chain Management (C07112) (see page 469) and the Master of Business in Operations and Supply Chain Management (C04226) (see page 394).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/gsb

C11200v2 Graduate Certificate in Child and Family Health Nursing

Award(s): Graduate Certificate in Child and Family Health Nursing (GradCertN)
UAC code: 940880 (Autumn semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course includes a compulsory clinical practice component (see below) to be undertaken after the block teaching periods.

This course is not offered to international students.

Overview

This course is offered as a joint initiative between UTS: Health and Tresillian Family Care Centres.

Child and family health nurses work in partnership with parents as they learn the skills of parenting and caring for the infant and growing child. The primary health care role of the child and family health nurse includes health teaching with parents, health promotion in the community, group work and counselling for parents and care givers, and health surveillance of infants and children.

Applicants do not need to be employees of Tresillian, nor do they need to be concurrently employed in child and family health services.

The course prepares registered nurses for beginning practice in the clinical nursing specialty of child and family health.

Course aims

The program of study is designed to build on nursing knowledge and skills to develop capacity to work in a primary health care setting with young children and their families. The comprehensive study program focuses on infant care and child health, and the promotion of maternal and family health and wellbeing. The accompanying clinical experience program provides placements in community child and family health services as well as Tresillian Family Care Centres.

Career options

Career options include positions in primary health care services, such as early childhood health or community health centres, secondary level services in family care centres or breastfeeding clinics for mothers and babies, and tertiary services such as those offered by Tresillian or Karitane.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but who have recent relevant work experience may also be eligible to apply. Such applicants must present evidence of the capacity to undertake tertiary study.

Applicants must have one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

Students must complete a total of 24 credit points, comprising four specified nursing subjects.

The course is offered as a mix of face-to-face teaching sessions and web-based learning through UTSOnline. There are nine days of face-to-face teaching over the duration of the year requiring attendance on campus. These are presented as four workshops of two or three days each.

Dates for 2014 are:

- 17–19 February
- 5–6 May
- 21–22 July
- 27–28 October

The remainder of the learning is in web-supported distance mode.

Industrial training/professional practice

Students are required to undertake a clinical practicum to consolidate their learning and introduce them to child and family health nursing practice. The clinical program offers up to 120 hours of experience:

- 80 hours in a child and family health service clinical facility (compulsory)
- 40 hours as fieldwork undertaken independently (compulsory).

Where possible, students are placed in child and family health services in their own locality.

Dates for 2014 are:

- Autumn semester: 12 May – 6 June
- Spring semester: 1–19 September

Course completion requirements

92613	Principles of Child and Family Health Nursing	6cp
92614	Child and Family Health Nursing 1	6cp
92615	Child and Family Health Nursing 2	6cp
92620	Family and Community Health Practice	6cp
		Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395) (for registered nurses only).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Nicola Brown

Course coordinator

telephone +61 2 9514 4915

email Nicola.Brown@uts.edu.au

www.health.uts.edu.au

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C11201v1 Graduate Certificate in Acute Care Nursing

Award(s): Graduate Certificate in Acute Care Nursing (GradCertN)
UAC code: 940885 (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: Kuring-gai campus

Note(s)

This course offers a mid-year intake for local students.

This course is not offered to international students.

Overview

This course provides registered nurses with the knowledge and skills for a specialist role as an advanced acute care nurse. The course helps students to critically evaluate their practice and incorporate research findings and technologies as appropriate. Students study topics that reflect health phenomena that are common across acute care illnesses requiring medical and/or surgical intervention, as well as the principles of managing patients who become acutely ill and unstable.

Students learn to recognise and support the unique characteristics of the acute care patient population and are able to practise safely and competently as acute care nurses. The knowledge, skills and expertise gained enable students to enhance the quality of care for patients and their families. Students also develop skills to actively contribute to the professional development of others and use research in order to make informed decisions about nursing practice.

Career options

Career options include specialty acute care nursing in a wide range of clinical settings.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must hold current registration as a nurse in Australia. Registered nurses who do not have an undergraduate diploma or degree but do have recent relevant work experience and can demonstrate the capacity to undertake tertiary study may also be considered eligible.

Applicants must have concurrent employment in, or access to, the area of study and one year of post-registration clinical experience.

Students' current nursing registration will be confirmed via the National Register of Practitioners at:

www.ahpra.gov.au/Registration/Registers-of-Practitioners.aspx

Students should ensure that details of their registration are up-to-date on this register.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Subjects are offered via on-campus study days, workshops in a high-fidelity simulation laboratory and online learning. Part-time study is usually undertaken at the rate of two subjects a semester. The normal attendance per subject is four full days on campus spread over the semester.

Course structure

Students are required to complete a total of 24 credit points of study, comprising four specified nursing subjects.

There are structured, work-based learning opportunities for students who are employees of Northern Sydney Local Health District (NSLHD) or Concord Hospital. These students may undertake a Clinical Accreditation Program (CAP) with these organisations. This is at no cost to participants. Students who successfully complete a CAP are awarded exemption from subject Specialty Clinical Practice. If students change their sub-major they may need to redo a CAP related to the new sub-major or do the subject Specialty Practice.

Course completion requirements

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
		Total 24cp

Articulation with UTS courses

This course articulates with the Graduate Diploma in Nursing (C07044) (see page 461) and the Master of Nursing (C04228) (see page 395).

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Michelle Kelly

Course coordinator

telephone +61 2 9514 4815

email Michelle.Kelly@uts.edu.au

www.health.uts.edu.au

C11204v1 Graduate Certificate in Development Assessment

Award(s): Graduate Certificate in Development Assessment (GradCertDevAssmnt)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

Development assessment has become one of local government's most important activities. People from a wide range of professional and technical backgrounds are working in development assessment, but many lack specialist training in the field. To meet differing individual needs, the UTS Centre for Local Government has introduced a unique Graduate Certificate in Development Assessment that incorporates specialised professional development and technical subjects.

The cornerstone of this course is its flexibility. It allows participants to prepare a personal study plan that matches the specific requirements of their work, career and other commitments. Most subjects can be studied through intensive block mode and, in some cases, by distance or workplace learning. Students may apply for credit for relevant professional development courses undertaken at UTS or with another institution.

Course aims

The course aims to provide students with:

- a sound understanding of principles and practice of development assessment
- an appreciation of the wider context of planning and assessment systems in local government
- knowledge and skills in dealing with different types of applications for development and building approvals, including the ability to identify key factors to be taken into account and broader strategic issues
- enhanced knowledge and skills in selected areas of development assessment, and
- the capacity to undertake further study and professional development.

Career options

The course is designed to provide skills and knowledge necessary to enable students to carry out assessment of building and development proposals with a high level of expertise, to facilitate subsequent accreditation as Certifiers and Principal Certifying Authorities under NSW legislation and to enhance learning and study skills for ongoing education and professional development.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications must be in architecture, building or planning. If the previous qualification is not in one of these fields, applicants require a TAFE Certificate IV in Planning or the Statement of Attainment in Building Assessment. In some cases, applicants should have two years' work experience in architecture, building, planning or local government.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students who have completed relevant previous studies may apply to the course coordinator for credit recognition.

Course duration and attendance

The course may be completed on a two-year, part-time basis, with students undertaking one subject a semester, or on a one-year, part-time basis, with students undertaking two subjects a semester.

Course structure

The course totals 24 credit points, made up of four subjects.

Course completion requirements

CBK90560	Development Assessment core choice	12cp
CBK90561	Development Assessment elective choice	12cp
		Total 24cp

Further study at UTS

Graduates may apply for admission to the Graduate Diploma in Local Government Management (C06033) (see page 440) and request credit recognition for relevant subjects studied in this course.

Other information

Further information is available from:

Gabrielle Watterson

Administration Officer

telephone +61 2 9514 1659

fax +61 2 9514 2274

email Gabrielle.Watterson@uts.edu.au

www.clg.uts.edu.au

C11206v3 Graduate Certificate in Professional Accounting

Award(s): Graduate Certificate in Professional Accounting (GradCertProfAcc)
CRICOS code: 061284M
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Professional Accounting is a four-subject introductory course designed to provide a general understanding of accounting and related areas of business study. It provides foundation knowledge in the areas of accounting, finance, economics and law.

This course is designed for students who:

- do not have an undergraduate background in accounting and who wish to further their business knowledge, or
- have extensive business experience but lack the formal qualifications for direct entry to the master's programs in professional accounting, or
- want to complete an introductory course in accounting and related fields and want to prove their ability to undertake postgraduate study and attain postgraduate qualifications.

As this course articulates into the master's programs in professional accounting, this enables students who do not possess formal undergraduate qualifications, including TAFE diplomats, to acquire the relevant academic qualification for membership of CPA Australia, the Institute of Chartered Accountants in Australia (ICAA) and the Institute of Public Accountants (IPA).

Course aims

The course comprises a mix of accounting, finance and related subjects which collectively provide a range of essential business skills and knowledge that are necessary for managerial level employment in today's dynamic business environment.

Career options

Career options include management-level positions in industry or government, as well as not-for-profit organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants without a degree require eight years' full-time relevant work experience and evidence of a general capacity to undertake tertiary education.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course may be completed in one semester of full-time or one year of part-time study.

Classes are offered over three teaching periods each year (namely Autumn and Spring semesters, and Summer session). Not all subjects are available in Summer session.

In most cases, subjects are offered on the basis of one three-hour lecture per week over a 13-week period, however, certain subjects may be delivered in intensive mode and completed over a shorter time period.

Course structure

The course totals 24 credit points, made up of four core subjects.

Course completion requirements

22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp
23706	Economics for Management	6cp
		Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Professional Accounting, the Master of Professional Accounting (C04238) (see page 407) and the Master of Professional Accounting Extended (C04237) (see page 406).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11208v1 Graduate Certificate in Executive Business Administration

Award(s): Graduate Certificate in Executive Business Administration (GradCertExecBusAdmin)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is under review. The next intake is for a revised program in Spring semester 2014.

This course is not offered to international students.

Overview

The Graduate Certificate in Executive Business Administration provides foundation skills used in the general management of a business unit or enterprise for non-graduates who have at least eight years of relevant business experience.

Course aims

General management skills are developed to provide a knowledge base in the areas of leadership, strategic thinking, business planning, decision-making tools, organisational and group dynamics, effective communication and accounting.

Career options

Career options include management-level positions in industry or government.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants also require five years' relevant work experience. Applicants without a degree require eight years' full-time relevant work experience and an ability to be able to successfully undertake postgraduate business studies as determined by the MBA director. Applicants may be required to attend an interview as part of the admission process.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course can be completed in one semester, on a full-time basis.

Course structure

The course comprises 24 credit points of study made up of three subjects chosen from a group of four.

Course completion requirements

Select 24 credit points from the following options:			24cp
27800	Applied Leadership and Strategy	8cp	
25841	Decision Making Tools	8cp	
21875	Organisational Behaviour in Practice	8cp	
22814	Accounting Information for Managers	8cp	
			Total 24cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Executive Business Administration and the Executive Master of Business Administration (C04031) (see page 357).

Other information

Further information is available from UTS: Business on:

telephone +61 2 9514 3660

email business@uts.edu.au

www.business.uts.edu.au/pg

C11210v1 Graduate Certificate in Mathematics

Award(s): Graduate Certificate in Mathematics (GradCertMath)
UAC code: 940743 (Autumn semester, Spring semester)
CRICOS code: 065345D
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Mathematics is a four-subject course comprising undergraduate and/or honours-level subjects. The flexible course structure allows study programs designed to suit different university graduates; from mathematicians who need to refresh or deepen their knowledge in a certain mathematical discipline, to holders of business, engineering or science bachelor's degrees who need a mathematical foundation for further studies.

The course is recommended for those with insufficient mathematics in their bachelor's degree who wish to meet the admission requirements of the Graduate Diploma in Mathematics and Statistics for Business and Finance (C06097) (see page 446).

Course aims

The course aims to provide university graduates with access to training and retraining in mathematics and statistics with the aim to allow students to focus on particular mathematical topics rather than on broader areas of mathematics.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

No exemptions are granted as credit recognition.

Course duration and attendance

An applicant may enrol in this course either on a full-time or part-time basis. As a guide, minimum full-time attendance is one semester of study and part-time attendance is one year of study. The possibility of full-time study and the duration of the course depend on the subjects chosen and their availability. Applicants should be aware that subjects may require attendance at daytime classes. The current timetable is available at:

http://timetable.uts.edu.au

Course structure

Students are required to complete 24 credit points, comprising four subjects offered by the Department of Mathematical Sciences. The subjects are to be chosen from the list of subjects (options) below offered by the department.

The availability of the subjects in this program is shown with the subject descriptions in this handbook. Many subjects offered by the Department of Mathematical Sciences have prerequisites. It is the student's responsibility to check that they have the required knowledge specified by these prerequisites. Students are strongly advised not to enrol in any subject if they do not have knowledge equivalent to the subject's prerequisites.

Course completion requirements

Select 24 credit points from the following options:			24cp
35100	Introduction to Sample Surveys	6cp	
35101	Introduction to Linear Dynamical Systems	6cp	
35102	Introduction to Analysis and Multivariable Calculus	6cp	
35111	Applications of Discrete Mathematics	6cp	
35140	Introduction to Quantitative Management	6cp	
35151	Introduction to Statistics	6cp	
35212	Computational Linear Algebra	6cp	
35231	Differential Equations	6cp	
35232	Advanced Calculus	6cp	
35241	Optimisation in Quantitative Management	6cp	
35252	Mathematical Statistics	6cp	
35255	Forensic Statistics	6cp	
35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35353	Regression Analysis	6cp	
35355	Quality Control	6cp	
35356	Design and Analysis of Experiments	6cp	
35361	Stochastic Processes	6cp	
35363	Stochastic Models	6cp	
35383	High Performance Computing	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	
35457	Multivariate Statistics	6cp	
35466	Advanced Stochastic Processes	6cp	
35472	Honours Seminar 1	6cp	
35473	Honours Seminar 2	6cp	
35474	Honours Seminar 3	6cp	
35475	Honours Seminar 4	6cp	
		Total	24cp

Transfer between UTS courses

Students enrolled in this program are eligible to apply to transfer to the Graduate Diploma in Mathematics and Statistics for Business and Finance (C06097) (see page 446) provided they satisfy the admission criteria of the graduate diploma program. This allows students who do not have the mathematical knowledge required for admission to the graduate diploma to complete the necessary subjects as a part of the graduate certificate program and then to transfer to the Graduate Diploma in Mathematics and Statistics for Business and Finance (C06097) (see page 446).

Further study at UTS

Student who complete this course can enrol in the Graduate Diploma in Mathematics and Statistics for Business and Finance (C06097) (see page 446) with exemption from up to two core subjects of the graduate diploma program provided these subjects were completed as a part of the graduate certificate.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11211v2 Graduate Certificate in Australian Law

Award(s): Graduate Certificate in Australian Law (GradCertAustLaw)
UAC code: 940425 (Autumn semester, Spring semester)
CRICOS code: 064381G
Commonwealth-supported place?: No
Load credit points: 30
Course EFTSL: 0.625
Location: City campus

Note(s)

This course is not appropriate for applicants who are already admitted to practise as a lawyer in NSW.

Overview

The Graduate Certificate in Australian Law is designed to permit appropriately qualified lawyers from common law jurisdictions outside Australia to satisfy the academic requirements for admission as a lawyer of the Supreme Court of NSW.

The course allows lawyers from common law jurisdictions to meet the academic requirements to practise in Australia.

Career options

Career options include lawyer in NSW within a government or corporate department, private law firm or community law centre, providing students also undertake a course in practical legal training such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants' bachelor's degree in law must be from outside Australia or they must be admitted to practise as a legal practitioner in a common law jurisdiction outside Australia.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Before lodging an application, applicants must contact the Legal Profession Admission Board of the NSW Supreme Court (LPAB) to determine the subjects they are required to complete to be eligible for admission to practise in NSW. Further details about admission is available at:

www.lawlink.nsw.gov.au/lpab

Notification from the LPAB, listing the subjects required, must accompany the application for admission into the course.

Assumed knowledge

Appropriately qualified knowledge of the common law legal system.

Course duration and attendance

Full-time students can complete the course in a minimum of one semester. Part-time students can complete the course in a minimum of one year. International students are unable to undertake part-time study.

Course structure

The course requires completion of 30 credit points of specified subjects. However, in some cases and subject to approval, students may substitute one subject.

Industrial training/professional practice

Applicants should note that in order to gain admission as a lawyer of the Supreme Court of NSW they may also be required to undertake a course in practical legal training, such as the Graduate Certificate in Professional Legal Practice (C11232) (see page 519).

Course completion requirements

STM90841 Core subjects	30cp
	Total 30cp

Professional recognition

This course may satisfy the requirements for admission to the Supreme Court of NSW. The Legal Profession Admission Board may recognise subjects attempted within this course. Applicants are advised to obtain written confirmation of the LPAB in recognition of subjects attempted within this course prior to enrolling.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11212v1 Graduate Certificate in Architecture

Award(s): Graduate Certificate in Architecture (GradCertArch)
UAC code: 940116 (Autumn semester, Spring semester)
CRICOS code: 065843G
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

This course is a tailored bridging course that provides a pathway into the Master of Advanced Architecture (C04240) (see page 410). It provides new skills and knowledge for students who have obtained professional qualifications prior to the introduction of digital software for design and documentation in architectural education (prior to 2000).

This is a highly flexible course that enables specialisation in either urban design or design technologies. Each student has a tailored program of architectural design and architectural practice subjects, based on their needs and experience. The course equips graduates with skills of entrepreneurship, marketing, business and management necessary for leadership in the profession.

Course aims

Through the core architectural design studio subjects, graduates are equipped with strategic thinking, spatial organisation and visual design skills, and develop further their verbal and written communication abilities. Project-based studio subjects explore research, design concepts, implementation strategies and presentation techniques. Through the core professional practice subjects, students develop their knowledge of all aspects of industry and practice management, furthering their capacity for leadership in the profession, locally and internationally.

Career options

Career options are focused on leading design and technical innovation roles in architectural and urban design practice.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants require a professional entry degree of five-years, full-time or equivalent from an accredited program in architecture or a four-year, full-time or equivalent degree from an accredited program in landscape architecture.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Applicants must submit a portfolio of work demonstrating their design skills for examination in addition to a statement of interest in the course.

Course duration and attendance

The course is offered on a one-semester, full-time or part-time equivalent basis.

Course structure

The course totals 24 credit points of selected Master of Architecture subjects comprising one 12-credit-point architectural design subject, one 6-credit-point architectural practice subject and one 6-credit-point elective.

Course completion requirements

CBK90625 Architectural Design		12cp
CBK90626 Architectural Practice		6cp
Select one of the following:		6cp
CBK90628 Electives	6cp	
CBK90233 Electives	6cp	
		Total 24cp

Further study at UTS

This course is a pathway into the Master of Advanced Architecture (C04240) (see page 410).

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C11215v2 Graduate Certificate in Local Government Leadership

Award(s): Graduate Certificate in Local Government Leadership (GradCertLGLead)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

Aspiring local government leaders must have a high level of professional expertise together with a broad range of leadership skills and a sound understanding of the special characteristics of local government.

The course is tailored to the local government environment and allows aspiring leaders to develop understanding and capabilities necessary for leadership in the public sector. There is a particular focus on the need for local government leaders to understand and demonstrate commitment to the production of 'public value' (Moore 1995); outcomes that are truly valued in the community.

The course offers the opportunity to undertake an education program that responds to individual needs as well those in the workplace and the broader community. Subjects involve intensive block mode workshops, workplace action learning, self-directed study, scenario-based challenges and a real-life community leadership project.

Course aims

The course aims to provide students with knowledge, skills and capabilities and practices of local government leadership, with particular reference to their own organisation and community. Students also develop the learning skills that allow them to continue their own professional development through short courses or further academic study.

Career options

Career options include local government manager in councils.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

Students who have completed relevant previous studies may apply to the course coordinator for credit recognition.

Course duration and attendance

The course may be completed on a two-year, part-time basis, with students undertaking one subject a semester, or on a one-year, part-time basis, with students undertaking two subjects a semester.

Course structure

The course totals 24 credit points, made up of four subjects.

Course completion requirements

15618	New Perspectives in Local Government Leadership		6cp
Select 18 credit points from the following options:			18cp
15617	Team Building and Leadership	6cp	
15312	Communication and Critical Thinking	6cp	
15315	Project Management Principles	6cp	
15346	Governance and Leadership of Project Management	6cp	
15145	Development Negotiation	6cp	
15606	Vocational Competencies 1	6cp	
15616	Community Leadership Project	6cp	
15610	Local Government Leadership: Personal and Professional Skills	6cp	
			Total 24cp

Other information

Further information is available from:

Gabrielle Watterson

Administration Officer

telephone +61 2 9514 1659

fax +61 2 9514 2274

email Gabrielle.Watterson@uts.edu.au

www.clg.uts.edu.au

C11216v1 Graduate Certificate in Science

Award(s): Graduate Certificate in Science (GradCertSc)
UAC code: 940768 (Autumn semester, Spring semester)
CRICOS code: 071910G
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5

Overview

The Graduate Certificate in Science is designed to provide an opportunity for working scientists to gain generic professional knowledge and skills as well as to extend and update their knowledge in line with recent advances in science.

The course enhances career prospects by providing opportunities to extend knowledge beyond a first degree.

Career options

The course provides a backbone of skills important to a professional scientist; be they engaged in research, science business, industries or government organisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

No exemptions are granted for this course.

Course duration and attendance

The course is offered on a one-semester, full-time or one-year, part-time basis.

Course structure

The course requires 24 credit points of study, with 12 credit points chosen from the professional stream subjects and 12 credit points from a choice of specified science subjects.

Course completion requirements

CBK90642	Elective	12cp
CBK90648	Professional stream choice	12cp
		Total 24cp

Other information

Further information is available from:

Science Academic Administration Office

telephone +61 2 9514 9985

email Science.admin@uts.edu.au

or

Building 6 Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

C11217v1 Graduate Certificate in Communications Law

Award(s): Graduate Certificate in Communications Law (GradCertCommLaw)
UAC code: 940432 (Autumn semester, Spring semester)
CRICOS code: 071752E
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

Emerging as a critical media and legal specialisation, communications law at UTS offers an opportunity for non-law as well as law graduates to develop an understanding and demonstrate their expertise as media professionals and commentators, policy makers and lawyers, managers and researchers in this important area.

Students are exposed to key issues within the field such as: the roll-out of the national broadband network; cyber-security; legal perspectives on the internet; the role of law and regulation in communications, media and entertainment; and the relationship of intellectual property and technology.

Career options

Career options exist for non-law professionals to enhance prospects as communications policy advisors, editorial and management positions, online/social media consultants, lobbyists, researchers for public interest groups and industry commentators. Practising lawyers can expand their legal specialisations in areas including communications law, intellectual property, media and entertainment law, telecommunications law, technology law and corporate law.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course can be completed in a minimum of one semester of full-time or one year of part-time study.

Course structure

Two streams are available within the course.

- Students who hold an undergraduate legal qualification must complete three option subjects (24 credit points).
- Students who hold an undergraduate degree in a discipline other than law must complete one core introductory subject (8 credit points) followed by an additional two subjects (16 credit points).

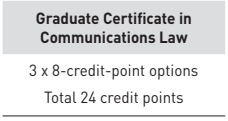
Students who have completed an undergraduate legal qualification should contact the UTS Student Centre during enrolment if their study plan includes the Non-law graduate entrant stream (STM90545).

Course completion requirements

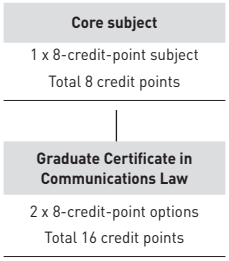
Select one of the following:		24cp
STM90545	Non-law graduate entrant stream	24cp
STM90544	Law graduate entrant stream	24cp
		Total 24cp

Course diagram

Law graduate entrants



Non-law graduate entrants



Articulation with UTS courses

Students enrolled in the graduate certificate may apply to transfer to the Master of Communications Law (C04242) (see page 416). Successful candidates are not awarded the graduate certificate but subjects undertaken within the graduate certificate are recognised and applied towards the master's.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11220v1 Graduate Certificate in Adult Numeracy Teaching

Award(s): Graduate Certificate in Adult Numeracy Teaching (GradCertAdNumTeach)
UAC code: 940246 (CSP) (Autumn semester), 940247 (PDFP) (Autumn semester)
Commonwealth-supported place?: Yes
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

UTS is a leading provider of postgraduate language and literacy courses with the longest tradition of adult basic education (ABE) teacher training of any university in NSW. This course is for people who wish to gain an initial specialist qualification in teaching numeracy to adults. It provides graduates with a specialist teaching qualification that enables them to work in the field of adult numeracy education in both the public and private sectors and registered training organisations.

The course includes two practicums that integrate relevant theoretical perspectives on adult basic education with practical teaching and learning applications.

Course aims

Graduates of this course are expected to be able to:

- demonstrate a critically reflective approach to planning and facilitating learning of adult numeracy learners
- show confidence and exercise effective strategies for developing the numeracy knowledge and skills needed as teachers of adult numeracy, and
- engage professionally in the education of adults.

Career options

Career options include adult basic education practitioner in community colleges, corrective services, AMES, TAFE and public and private adult education institutions that design and deliver programs for adults to learn and build on basic numeracy skills, or provide integrated learner support in VET programs, or design and deliver workplace numeracy programs.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

The course comprises 24 credit points, made up of four compulsory core subjects.

Course completion requirements

STM90549	Core subjects (Adult Numeracy Teaching)	24cp
		Total 24cp

Course program

The course program is shown below.

Part time

Year 1

Autumn semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013831	Maths for Numeracy Teachers	6cp

Spring semester

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013971	Teaching and Learning Numeracy	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Adult Numeracy Teaching and the Graduate Diploma in Adult Literacy and Numeracy Teaching (C06096) (see page 445).

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C11221v1 Graduate Certificate in Adult Education

Award(s): Graduate Certificate in Adult Education (GradCertAdEd)
UAC code: 940240 (CSP) (Autumn semester), 940241 (PDFP) (Autumn semester, Spring semester)
Commonwealth-supported place?: Yes
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

UTS is a leading provider of postgraduate programs in adult education in Australia and enjoys a reputation as being one of the leading providers in the world. This course introduces new practitioners, or practitioners without prior formal study in the field, to adult education and learning literature, theories and practices of program development.

Many adult education staff at UTS are recognised leaders in the field and their expertise and close connection with professional and community networks provides students with up-to-date learning opportunities and access to guest lecturers and diverse organisations. It also provides a practice-based subject to further develop teaching and training skills.

Course aims

The course aims to:

- develop students' expertise in adult teaching
- provide foundation knowledge in adult learning
- provide teaching experience.

Career options

Graduates of this course are positioned to work in a diverse range of adult learning and training settings, ranging from private and public sector organisations to community organisations, non-government organisations, as well as in formal and non-formal education institutions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Applications

Local students

Local applicants apply through the Universities Admissions Centre.

Course duration and attendance

The course is offered on a one-year, part-time basis.

Course structure

The course comprises 24 credit points, made up of three compulsory core subjects (totalling 18 credit points) and one elective subject (totalling 6 credit points). Not all electives are offered every semester.

Course completion requirements

CBK90826	Electives (Adult Education)	6cp
STM90528	Core subjects (Adult Education)	18cp
		Total 24cp

Course program

Course program are shown below for Autumn and Spring commencing students.

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

Autumn commencing, part time

Year 1

Autumn semester

013122	Understanding Adult Education and Training	6cp
013977	Teaching and Learning in Practice	6cp

Spring semester

013142	Adult Learning and Program Development	6cp

Select 6 credit points from the following options: 6cp

CBK90826	Electives (Adult Education)	6cp

Spring commencing, part time

Year 1

Spring semester

013142	Adult Learning and Program Development	6cp

Select 6 credit points from the following options: 6cp

CBK90826	Electives (Adult Education)	6cp

Year 2

Autumn semester

013122	Understanding Adult Education and Training	6cp
013977	Teaching and Learning in Practice	6cp

Articulation with UTS courses

This course is part of an articulated program with the Master of Education (C04232) (see page 400). Graduates of this course receive 12 credit points of credit recognition towards the Master of Education (C04232) (see page 400) for completed subjects on admission to the Adult Education, Organisational and Workplace Learning, or Popular Education and Social Change majors.

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C11223v1 Graduate Certificate in Teaching English to Speakers of Other Languages

Award(s): Graduate Certificate in Teaching English to Speakers of Other Languages (GradCertTESOL)
UAC code: 940238 (CSP) (Autumn semester), 940239 (PDFP) (Autumn semester, Spring semester)
CRICOS code: 071628J
Commonwealth-supported place?: Yes
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

UTS is a leading provider of postgraduate language and literacy courses, with academics who are published authors and internationally recognised experts in the field. This course is an initial teaching qualification in teaching English to speakers of other languages (TESOL). It specifically focuses on the teaching of adult students. Students study subjects that equip them with skills and knowledge to teach English in a range of contexts, both local and international.

This course is suitable for people who wish to obtain an initial adult teaching qualification in TESOL. The course includes professional practice placements in TESOL and offers flexible study options with classes held at times suitable for full-time workers.

Course aims

The course aims to produce TESOL teachers who are knowledgeable, reflective and engaging in their practice, have well developed interpersonal skills, are keen to put current developments in learning and teaching into practice and have a commitment to lifelong learning.

Career options

Career options include a teacher of English as a second language (ESL) in Australia or a teacher of English as a foreign language (EFL) in overseas contexts (applicants are advised to check with potential employing bodies regarding employment requirements).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local applicants apply through the Universities Admissions Centre.

International students

International students apply through UTS International.

Course duration and attendance

The course is offered on a one-semester, full-time or two-semester, part-time basis.

The subjects in STM90529 are run in standard weekly mode for TESOL students, except for 010071 Professional Practice 2 Language Literacy and Numeracy, which is run in block mode.

Course structure

Students must complete 24 credit points, comprising four core subjects.

Industrial training/professional practice

There is a practicum placement for subjects 010070 Professional Practice 1 Language Literacy and Numeracy and 010071 Professional Practice 2 Language Literacy and Numeracy.

Course completion requirements

STM90529	Core subjects (TESOL)	24cp
		Total 24cp

Course program

Typical full-time and part-time programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp
013958	Language Teaching Methodology	6cp

Autumn commencing, part time

Year 1

Autumn semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013958	Language Teaching Methodology	6cp

Spring semester

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp

Spring commencing, full time

Year 1

Spring semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp
013958	Language Teaching Methodology	6cp

Spring commencing, part time

Year 1

Spring semester

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
013958	Language Teaching Methodology	6cp

Year 2

Autumn semester

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Teaching English to Speakers of Other Languages, the Graduate Diploma in Teaching English to Speakers of Other Languages (C07118) (see page 471) and the Master of Arts in Teaching English to Speakers of Other Languages (C04245) (see page 419).

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

C11225v1 Graduate Certificate in Design

Award(s): Graduate Certificate in Design (GradCertDesign)
CRICOS code: 071632B
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

Unique in Australia, this course is intellectually vibrant, socially engaging, visionary, practice focused and actively linked to industry. The course is centred around building a design community network.

The course has two main components: specialised master classes led by a studio leader and industry partners and theory and technology subjects taught across the program.

The program focuses on and integrates research, industry collaboration, internationalisation and a design culture through the delivery of specialist, core and trans-disciplinary subjects. It provides a postgraduate education that is flexible in both its practice orientation and research integration.

With a focus on design evolution, innovative integration of new technologies, practice and student experimentation, the course is delivered by experienced studio leaders who are acknowledged leaders in the specific industries and professions.

Course aims

Designed to produce a balance between high levels of specialisation and lateral thinking, the program enables students to examine design from a trans-disciplinary perspective.

It enables students to explore design issues under the supervision of a practice leader, to learn new strategies and the application of research and theory. It supports best practices in postgraduate design education through learning and research strategies that critically examine design practice.

Graduates of this course are leaders in design and related industries through their expertise in product and service development. They are able to utilise strategic processes, creative tools and research skills for innovation in design.

The program provides a suite of subjects for postgraduate designers in the areas of interaction, strategy and enterprise, lighting design, technotextiles, and text and image. Common subjects explore related conceptual challenges and questions of visual expression in the quest to develop useful, usable and resonant designs. These include understanding and articulating the importance of 'user experience', the role of design in humanising information, the aesthetic and conceptual dynamics of effective communication, strategic thinking, and aspects of design management, branding and communication.

Career options

Graduates' careers are enhanced by high-level professional knowledge and skills for the workplace, with possession of specialised knowledge in advanced textiles, space and materials, interaction, sustainable design and innovation.

Course duration and attendance

The course is offered on a one-semester, full-time or one-year, part-time basis.

Course structure

Students must complete 24 credit points of subjects.

Course completion requirements

CBK90670	Design Expertise choice	24cp
		Total 24cp

Exit award

This is an exit-only course for students enrolled in the Master of Design (C04243) (see page 417).

This course enables students enrolled in the master's course to exit after completing 24 credit points of study and gain a graduate certificate qualification.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C11226v1 Graduate Certificate in Midwifery Studies

Award(s): Graduate Certificate in Midwifery Studies (GradCertMidSt)
CRICOS code: Pending
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

This course is not offered to international students.

Overview

This course aims to provide registered midwives with an opportunity to develop both their practice and professional roles and to develop the skills, attitudes and knowledge needed to meet the developing role of a midwife. In addition, the course aims to provide students with an avenue through which to further their clinical, research, teaching, leadership and/or management roles.

Course completion requirements

STM90530	Level 1 subjects (Midwifery)	24cp
		Total 24cp

Articulation with UTS courses

This exit only course is part of an articulated program comprising the Graduate Certificate in Midwifery Studies, the Graduate Diploma in Midwifery Studies (C07121) (see page 474) and the Master of Midwifery (C04247) (see page 422).

Exit award

This in an exit-only course for students enrolled in the Master of Midwifery (C04247) (see page 422). Direct entry is not available.

This course enables students enrolled in the master's course to exit after completing 24 credit points of study and gain a graduate certificate qualification.

Other information

Further information is available from:

UTS Student Centre

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11227v1 Graduate Certificate in Media Arts and Production

Award(s): Graduate Certificate in Media Arts and Production (GradCertMAP)
UAC code: 940505 (Autumn semester, Spring semester)
CRICOS code: 071749M
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Media Arts and Production is part of an articulated program in media arts and production that includes moving image, sound, digital media and interaction, and the interplay among these medias. It offers an entry-level introduction to the media arts.

Course aims

Students completing this course develop core skills and knowledge in moving image, digital media and sound production. The subjects allow students to develop key media production skills and knowledge that can be continued into the graduate diploma or master's degree.

Career options

The course prepares students for advanced study and orientates them to the media industries, particularly those involving moving image, sound, digital media and interaction.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants who have completed a bachelor's, graduate diploma or master's in any field of study or a graduate certificate in a related field of study can apply. Applicants who do not possess the relevant qualification must submit a CV and personal statement outlining their educational and professional achievements.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The course is completed on a one-semester, full-time or one-year, part-time basis.

Course structure

The course totals 24 credit points of study, consisting of three 8-credit-point core subjects.

Full-time students undertake 24 credit points a semester. Part-time students should undertake 8 or 16 credit points a semester.

Course completion requirements

STM90555	Core subjects (Media Arts and Production)	24cp
		Total 24cp

Course program

Example programs are shown below.

Autumn commencing, full time

Year 1

Autumn semester

57167	Moving Image	8cp
57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp

Autumn commencing, part time

Year 1

Autumn semester

57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp

Spring semester

57167	Moving Image	8cp

Spring commencing, full time

Year 1

Spring semester

57167	Moving Image	8cp
57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp

Spring commencing, part time

Year 1

Spring semester

57167	Moving Image	8cp

Year 2

Autumn semester

57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp

Articulation with UTS courses

This course is part of an articulated program comprising the Graduate Certificate in Media Arts and Production, the Graduate Diploma in Media Arts and Production (C07120) (see page 473) and the Master of Media Arts and Production (C04248) (see page 423). Students who successfully complete this course and who are admitted to the graduate diploma or master's course are eligible for credit recognition for completed subjects.

Other information

Further information is available from the UTS Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11228v1 Graduate Certificate in Higher Education Teaching and Learning

Award(s): Graduate Certificate in Higher Education Teaching and Learning (GradCertHEd)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5

Note(s)

This course is not offered to international students.

Overview

This course is offered by the Institute for Interactive Media and Learning (IML) through UTS: Education. The course helps students to reflect critically on their teaching in ways which are underpinned by their own experiences and those of their students and colleagues, and by the research on learning and teaching in higher education.

The course is designed for current university academics or part-time university teachers interested in an academic career.

Course aims

The course aims to encourage students to develop:

- an understanding of different ways of thinking about university teaching, and the consequences for student learning, to enable them to make informed decisions about their approaches to teaching, subject design and assessment in a variety of contexts and with a diversity of students (relates to professional and intellectual attributes)
- an ability to reflect critically on and evaluate their own teaching and subjects and make changes aimed at improving their students' learning (relates to professional and intellectual attributes)
- a commitment to scholarship in teaching and to self-directed continuing teaching development (relates to professional and personal attributes), and
- a broader awareness of the higher education, university and academic career contexts in which they work, to assist them to develop their academic potential more effectively (relates to professional and personal attributes).

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Applicants must be full-time or fractional higher education academics, or casual higher education teachers who can provide evidence of ongoing teaching during course enrolment. UTS full-time or fractional-time staff are exempt from paying course fees through sponsorship by the University.

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The course can be completed over one year, but students may also choose to complete it over a longer period of time.

The course is a part-time program, equivalent to eight weeks of full-time study. Subjects vary in their modes of offering, but typically involve face-to-face interactive workshops and online interaction.

Course structure

The course consists of 24 credit points of study, comprising four subjects which must be completed to be eligible for the award.

Course completion requirements

010042	Student Learning and Teaching Approaches	6cp
010043	Course Design and Assessment	6cp
010044	Scholarly Teaching and Learning Project	6cp
010045	Reflective Academic Practice	6cp
		Total 24cp

Other information

Further information is available from IML on:

telephone +61 2 9514 1669

email Enza.Mirabella@uts.edu.au

C11229v1 Graduate Certificate in Intellectual Property

Award(s): Graduate Certificate in Intellectual Property (GradCertIP)
UAC code: 940435 (distance) (Autumn semester, Spring semester)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Note(s)

This course is not offered to international students.

Overview

UTS has established expertise and a reputation for providing courses relevant to the needs of the patent and trade mark professions. The UTS Intellectual Property program is the first at an Australian university that fulfils the entire educational requirements for registration as a trade marks attorney and patent attorney in Australia under the relevant regulations.

The unique feature of this course is that it may be undertaken entirely online, removing the need for students to attend face-to-face classes.

Course aims

This course provides graduates with an understanding of the principles of the registered trade marks system, the protection of unregistered marks and related forms of protection against misleading or unfair trading conduct in Australia. In addition, graduates understand the content and implication of a patent specification, enabling them to advise upon possible questions of infringement, validity and compliance.

Career options

Depending on the subjects taken, graduates may seek registration as a trade marks attorney and/or patent attorney in Australia. Arts administrators or media professionals may enhance career options through building expertise in the commercialisation or management of intellectual property assets. Other career options include: patent and trade marks attorney, IP lawyer, IP portfolio manager, policy maker and government regulator.

This course enables overseas registered attorneys to undertake the necessary subjects that the Professional Standards Board requires for Australian registration.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Previous qualifications can be in any discipline. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

Credit recognition

UTS may grant successful applicants advanced standing or exemption from one or more subjects but the Professional Standards Board for Patent and Trade Marks Attorneys (PSB) has no authority to recognise, for the purpose of registration as a patent attorney or trade marks attorney, such exemptions. Students intending to seek registration need to seek exemption from the PSB. Further information is available from:

The Secretary

Professional Standards Board for Patent and Trade Marks Attorneys

PO Box 200

Woden ACT 2606

telephone +61 2 6283 2345

fax +61 2 6285 1048

email mail.psb@ipaustralia.gov.au

www.psb.gov.au

Exemptions are generally not granted for subjects not primarily directed to Australian law.

Course duration and attendance

The course can be completed in a minimum of one semester of full-time or one year of part-time study (timetabling restrictions apply). Most subjects within this course can be studied by distance online and require no on-campus attendance. All lectures, tutorials, course materials and assessments are distributed by a combination of web-based technology and electronic media. Students conduct all communication with the lecturer by electronic means. A number of subjects are concurrently offered in traditional face-to-face, on-campus format.

Course structure

The course requires completion of 24 credit points of subjects. Subjects are timetabled annually, but not all subjects are offered every semester. The current timetable can be found at:

http://timetable.uts.edu.au

Course completion requirements

CBK90712	Choice	24cp
		Total 24cp

Transfer between UTS courses

Subjects undertaken within the Graduate Certificate in Trade Mark Law and Practice (C11130) (see page 497) are recognised within the Graduate Certificate in Intellectual Property (C11229) (see page 518). Students enrolled in C11130 may apply to internally transfer to this course. Candidates are not awarded the Graduate Certificate in Trade Mark Law and Practice but subjects undertaken are applied towards this graduate certificate.

Professional recognition

Subject to final board approval, where applicants have a requisite tertiary qualification as stipulated by the Professional Standards Board for Patent and Trade Marks Attorneys, this course satisfies the educational requirements necessary for registration as a trade marks attorney in Australia.

Other information

Further information for future students is available from:

telephone +61 2 9514 3660

email law@uts.edu.au

Further information for current students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11230v1 Graduate Certificate in Pharmaceutical Sciences

Award(s): Graduate Certificate in Pharmaceutical Sciences (GradCertPharmSc)
CRICOS code: 075570A
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

Transfer is for students enrolled in the Master of Pharmacy (C04252) (see page 428).

Course completion requirements

96001	Introduction to Pharmacy	6cp
96002	Concepts in Pharmaceutical Sciences	6cp
96003	Pharmaceutics	6cp
96004	Professional Services 1	6cp
		Total 24cp

Exit award

This in an exit-only course for students enrolled in the Master of Pharmacy (C04252) (see page 428). Direct entry is not available.

Other information

For further information, contact UTS: Pharmacy:

email pharmacy@uts.edu.au

www.pharmacy.uts.edu.au

C11232v1 Graduate Certificate in Professional Legal Practice

Award(s): Graduate Certificate in Professional Legal Practice (GradCertProfLegalPrac)
UAC code: 940440 (Autumn semester, Spring semester, Summer session), 940441 (distance) (Autumn semester, Spring semester, Summer session)
CRICOS code: 077342G
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5
Location: City campus

Overview

The Graduate Certificate in Professional Legal Practice allows students to complete the practical legal training (PLT) requirements necessary for admission by the Supreme Court of NSW to practise as a lawyer. The UTS PLT program is accredited by the Legal Profession Admission Board (LPAB) of the Supreme Court of NSW and offers students a university-standard level of teaching, involving interactive exercises such as practice courts, simulated practice transactions and skills training.

Career options

Career options include lawyer, provided graduates have fulfilled all other academic requirements.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

For this course the equivalent qualification required is a bachelor's degree in law, the Juris Doctor, LPAB Diploma in Law, or a law qualification from an overseas jurisdiction. Lawyers with overseas law qualifications should consult with the LPAB for admission purposes in order to practise law in NSW. Admission is at the discretion of the associate dean (teaching and learning).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Credit recognition

Students studying this course are given credit recognition for CBK90399 Law Options. This means students need to complete STM90792 Core subjects (18cps), including 75411 Practical Experience subject (0cp), in order to fulfil the course requirements.

Credit is not given where students enter the course on completion of the LPAB Diploma in Law.

Course duration and attendance

The course can be completed in one semester of full-time or one year of part-time study, plus 16 weeks of full-time (or equivalent part-time) approved practical experience.

Further information regarding completion requirements is available from the practical experience guidelines and rules at:

www.law.uts.edu.au/practical/experience/rules

Students who elect to study by distance should refer to the individual subjects with regard to any requirement to attend on-campus intensive block classes.

Course structure

Students complete 24 credit points of subjects, plus 16 weeks of full-time (or equivalent part-time) practical experience.

Industrial training/professional practice

A practical experience work placement is a compulsory and integral component of the course. Practical experience requires students to complete 16 weeks of full-time (or equivalent part-time) practical experience work placement. Students must complete their practical experience work placement within two-and-a-half years of enrolling in 75411 Practical Experience. Further information about the practical experience component of the course can be found at:

www.law.uts.edu.au/practical

Course completion requirements

STM90792	Core subjects	18cp
CBK90399	Law options	6cp
		Total 24cp

Course program

All subjects are timetabled each semester. The current timetable can be found at:

http://timetable.uts.edu.au

Full time, Autumn or Spring commencing

Year 1

Autumn or Spring semester

75424	Legal and Professional Skills	6cp
75422	Transactional Practice	6cp
75423	Litigation and Estate Practice	6cp
75411	Practical Experience	0cp

Select 6 credit points of options 6cp

Part time, Autumn or Spring commencing

Year 1

Autumn or Spring semester

75424	Legal and Professional Skills	6cp

Select one of the following: 6cp

75422	Transactional Practice	6cp
75423	Litigation and Estate Practice	6cp

Year 2

Autumn or Spring semester

Select one of the following: 6cp

75423	Litigation and Estate Practice	6cp
75422	Transactional Practice	6cp

75411	Practical Experience	0cp

Select 6 credit points of options 6cp

Professional recognition

This course satisfies the requirements for admission as a lawyer to the Supreme Court of NSW.

Other information

Further information for students is available from:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

C11234v1 Graduate Certificate in Animation

Award(s): Graduate Certificate in Animation (GradCertAnim)
Commonwealth-supported place?: No
Load credit points: 24
Course EFTSL: 0.5

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

This course is designed and developed for film and television graphic artists, special effects engineers, computer and simulator game designers, traditional and experimental animators, and visual designers. It combines coursework, research and project work in traditional film animation, 2D and 3D digital animation, game design, motion capture and other specialised areas of animation studies. The course offers a depth of research and innovation through concentrated specialisation in animation or game design.

Course structure

Students must complete 24 credit points of subjects.

Course completion requirements

CBK90940	Animation Essentials choice	24cp
		Total 24cp

Exit award

This in an exit-only course for students enrolled in the Master of Animation (C04266) (see page 437). Direct entry is not available.

This course enables students enrolled in the master's course to exit after completing 24 credit points of study and gain a graduate certificate qualification.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

C08002v1 Bachelor of Teaching in Secondary Education

Award(s): Bachelor of Teaching in Secondary Education (BTeach)
UAC code: 940260 (English CSP) (Autumn semester), 940262 (Mathematics CSP) (Autumn semester), 940264 (Science CSP) (Autumn semester), 940266 (Visual Arts CSP) (Autumn semester), 940268 (Personal Development, Health and Physical Education CSP) (Autumn semester), 940272 (Mathematics/Science CSP) (Autumn semester), 940280 (Commerce, Business Studies and Economics CSP) (Autumn semester)
CRICOS code: 057880C
Commonwealth-supported place?: Yes
Load credit points: 144
Course EFTSL: 3
Location: Kuring-gai campus

Note(s)

This is a graduate-entry degree only.

Overview

This graduate-entry teacher education preparation course provides students with a qualification to teach in secondary schools. Students who have both the required undergraduate degree and specialisation subjects can complete the course in one year of full-time intensive study. The course is offered in a range of specialist areas.

The course consists of three components of study. The professional studies component is available in each of the specialisation areas and aims to develop the professional knowledge, skills and values needed by an effective educator in students' key learning areas. The education studies component provides research-based studies of educational theory and practice as a basis for professional decision-making in the school context. These subjects draw upon the foundation education disciplines of psychology, sociology and philosophy, as well as addressing the education of students with special needs. The professional experience component includes both campus-based and field-based experiences.

This course is a secondary school teaching preparation course. It is suitable for students about to graduate with a bachelor's degree and for mature-aged graduates who are changing careers and want a teaching qualification. It includes an intensive professional experience program where students spend up to 10 weeks in practical experience teaching and offers extensive, structured and closely supported experiences of secondary school teaching in different settings. The course has the flexibility to enable students who have most but not all the required undergraduate specialisation subjects to undertake the additional required subjects as part of the degree.

Course aims

The course aims to produce students who:

- are able to teach in a secondary school setting
- are reflective in their practice
- are able to adapt to the changing nature of teaching
- have well-developed interpersonal skills
- are keen to put current developments in learning and teaching into practice, and
- have a commitment to lifelong learning.

Career options

Career options include secondary school teaching in the chosen specialisations.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree in a relevant discipline at an appropriate level.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.5 overall, with a minimum of 8.0 in both the speaking and listening modules, and a reading and writing score of 7.0; or TOEFL: paper based: 610-633 overall with TWE of 5.0, internet based: 102-109 overall with a writing score of 24; or PTE: 73-78; or CAE: 74-79. The English language requirements for the LOTE major are: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Local students

Local students apply through the Universities Admissions Centre.

International students

International students apply through UTS International.

Credit recognition

Previous study is assessed at the time of application to determine whether completed study satisfies the subject specialisation requirement. Students who have both the required undergraduate degree and specialisation subjects receive 72 credit points in credit recognition. Students who receive less than the maximum 72 credit points in credit recognition are required to complete additional subjects in the specialisation areas. UTS assesses this after an application has been submitted.

Applicants can view the subject requirements for teacher accreditation set by the NSW Institute of Teachers (NSWIT) for each teaching area at:

www.nswteachers.nsw.edu.au/Teaching-in-NSW.html

Course duration and attendance

The course can be completed in one year of full-time intensive or part-time equivalent study. Students attend in weekly and/or block mode. Some subjects begin in the week before the start of semester.

Course structure

The total course requirement is 144 credit points comprising a maximum 72 credit points in credit recognition and 72 credit points made up of 14 core subjects, including two practicum-based subjects.

Course completion requirements

STM90640	Core subjects (SecEd)	36cp
CBK90775	Major choice	108cp
		Total 144cp

Course program

Following the list of majors, example programs are given for each major based on a student receiving the maximum 72 credit points in credit recognition and undertaking one year of full-time intensive study.

List of majors

MAJ07058	Mathematics	108cp
MAJ07059	Visual Arts	108cp
MAJ07060	Personal Development, Health and Physical Education	108cp
MAJ07061	Science	108cp
MAJ07064	Mathematics/Science	108cp
MAJ07070	Commerce, Business Studies and Economics	108cp
MAJ07062	Languages other than English	108cp
MAJ07063	English	108cp

Commerce, Business Studies and Economics major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013039	Commerce, Business Studies and Economics Teaching Methods 1	6cp
013042	Commerce, Business Studies and Economics Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013051	Commerce, Business Studies and Economics Teaching Methods 2	6cp
013054	Commerce, Business Studies and Economics Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

English major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013041	English Teaching Methods 1	6cp
013063	English Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013053	English Teaching Methods 2	6cp
013069	English Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Languages other than English major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013046	Language Teaching Methods 1	6cp
013064	Language Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013058	Language Teaching Methods 2	6cp
013070	Language Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Mathematics major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013047	Mathematics Teaching Methods 1	6cp
013065	Mathematics Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013059	Mathematics Teaching Methods 2	6cp
013071	Mathematics Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Mathematics/Science major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013047	Mathematics Teaching Methods 1	6cp
013049	Science Teaching Methods 1	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013059	Mathematics Teaching Methods 2	6cp
013061	Science Teaching Methods 2	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Personal Development, Health and Physical Education major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013048	Personal Development, Health and Physical Education Teaching Methods 1	6cp
013066	Personal Development, Health and Physical Education Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013060	Personal Development, Health and Physical Education Teaching Methods 2	6cp
013072	Personal Development, Health and Physical Education Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Science major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013049	Science Teaching Methods 1	6cp
013067	Science Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013061	Science Teaching Methods 2	6cp
013073	Science Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Visual Arts major

Year 1

Autumn semester

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013050	Visual Arts Teaching Methods 1	6cp
013068	Visual Arts Teaching Methods 3	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp

May session

013401	Professional Experience and Classroom Management 1	6cp

July session

013004	Issues in Indigenous Australian Education	3cp

Spring semester

013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013408	Designing Learning for a Digital Generation	6cp
013062	Visual Arts Teaching Methods 2	6cp
013074	Visual Arts Teaching Methods 4	6cp

August session

013402	Professional Experience and Classroom Management 2	6cp

Professional recognition

This course has received professional accreditation by the NSWIT as a recognised secondary school teaching qualification. To gain employment as a teacher in NSW schools, graduands must meet the requirements of the NSWIT, including language proficiency.

Other information

Further information is available from UTS: Education at:

www.education.uts.edu.au

Local and current students:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

Future international students:

telephone 1800 774 816 (freecall within Australia)

+61 3 9627 4816 (from outside Australia)

www.uts.internationalstudent.info/Register.aspx

POSTGRADUATE RESEARCH COURSES

C02001v2 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 032316D
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact a UTS Student Centre or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

Course structure

Candidates are required to complete a thesis, under the supervision of appropriate members of academic staff. A formal course of study or other work may also be prescribed.

Candidates are required to submit, in consultation with their supervisor(s), a progress report at the end of each semester, and to complete a doctoral assessment and seminar.

Candidates are also invited to participate in other research activities.

Course completion requirements

Select one of the following:

13907	PhD Thesis: Architecture
17900	PhD Thesis: Built Environment
81000	PhD Thesis: Design

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

or from the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C02018v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 036570B
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Engineering or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

The faculty's policy is one of close interaction with industry and the profession, and of seeking to contribute directly to the advancement of Australian engineering practice. Applied research programs and studies involving a direct relationship with industry are strongly encouraged. The majority of research conducted by faculty staff is supported by industry sources.

Career options

Career options include positions in universities and other institutions undertaking research or other academic work including teaching. Opportunities involving research and development also exist with national and international firms.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

The work may be carried out either on University premises or at a site external to the University, or some combination of both. Candidates may commence their studies from January or July in any given year.

Course structure

Candidates are required to complete a thesis, under the supervision of appropriate members of academic staff. A formal course of study or other work may also be prescribed.

There are three specific stages to the doctoral program to frame and support the progress of the candidate and their study.

The doctoral program includes the formalisation and / or introduction of a number of introductory and advanced modules, including subjects covering research preparation and research methods, to support the research and professional development of the student.

Research student progress is supported and reviewed through a doctoral study plan (DSP). Students design their own DSP in consultation with their supervisor(s). In the first stage, the DSP is based on the student's academic and professional background and his or her goals. The second and third stages are based on the progress

Students are advised to read the General information and Course area information sections in conjunction with specific course entries.

of his or her study. Candidates are assessed prior to advancing to the next stage of their candidature and submit, in consultation with their supervisor(s), a review of progress at the end of each semester.

Course completion requirements

49986 PhD Thesis: Engineering

Transfer between UTS courses

Transfer from a research master's degree program may be offered on application.

Other information

Further information is available from the Faculty of Engineering and Information Technology Research and Development Office on:

telephone +61 2 9514 2686

email research@eng.uts.edu.au

www.eng.uts.edu.au

C02019v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 014627E
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Communication or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

Career options

The research degrees offered by UTS: Communication are especially valuable for those wishing to pursue an academic career, a career in research or an advanced level of professional practice.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Selection criteria also include the quality of the research proposal, the faculty's ability to offer appropriate supervision in the applicant's chosen field, and, where necessary, demonstration of generic technical skills.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Course structure

This research degree is undertaken wholly by thesis. A PhD thesis is normally a work of 80,000-100,000 words. Coursework subjects may be prescribed according to individual student requirements. While the doctoral thesis is normally written in dissertation style, candidates may, if they wish, illustrate their argument by also submitting film, video, sound/audio, photography or other formats. Applicants should contact the research degrees administrator for further information about non-traditional formats for thesis presentation.

The Doctor of Philosophy is structured in three phases. Phase 1 involves the development of a number of advanced research skills and capabilities. At the beginning of the program, each student negotiates a doctoral study plan with their supervisor. This plan makes explicit the kinds of support each student requires. A formal doctoral assessment is undertaken at the end of Phase 1 in which the candidates present a full proposal for assessment, which is a prerequisite for entering Phase 2.

In Phase 2, students develop their individual program of research, culminating in Phase 3 in the preparation and submission of a major thesis which makes a sustained contribution to knowledge in their field of inquiry.

Research and development activities are provided throughout the three phases to assist students to develop the capabilities of a successful doctoral graduate.

Course completion requirements

51991 PhD Thesis: Humanities and Social Sciences

Other information

Further information is available from the research degrees administrator:

email Juleigh.Slater@uts.edu.au

C02020v2 Doctor of Creative Arts

Award(s): Doctor of Creative Arts (DCA)
CRICOS code: 014625G
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Communication or the UTS: Graduate Research School for further details.

While UTS: Communication may be in a position to provide access to media production facilities for DCA candidates, it provides neither training in the use of those facilities nor the cost of materials.

Overview

The Doctor of Creative Arts (DCA) is for graduates who have a significant record of achievement in the media and the creative arts and who want to undertake substantial research in the areas of media and creative production.

Career options

The research degrees offered by UTS: Communication are especially valuable for those wishing to pursue an academic career, a career in research or an advanced level of professional practice.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Selection criteria also include the quality of the applicant's portfolio of published, screened, exhibited or broadcast creative work, the quality of the research proposal, the faculty's ability to offer appropriate supervision in the applicant's chosen field, and, where necessary, demonstration of generic technical skills.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Course structure

The work produced for this degree is of equivalent intellectual scope and level to a PhD, but is presented in non-traditional formats. Coursework subjects may be prescribed according to individual student requirements. The substantial creative work should be the equivalent of a 50,000-70,000-word written work, accompanied by a 30,000-word dissertation.

The doctoral program is structured in three phases. Phase 1 involves the development of a number of advanced research skills and capabilities. At the beginning of the program, each student negotiates a doctoral study plan with their supervisor. This plan makes explicit the kinds of support each student requires. A formal doctoral assessment is undertaken at the end of Phase 1 in which the candidates present a full proposal for assessment, which is a prerequisite for entering Phase 2.

In Phase 2, students develop their individual program of research, culminating in Phase 3 in the preparation and submission of a dissertation which makes a sustained contribution to knowledge in their field of inquiry.

Research and development activities are provided throughout the three phases to assist students to develop the capabilities of a successful doctoral graduate.

Course completion requirements

51992 Doctoral Project

Other information

Further information is available from the research degrees administrator:

email Juleigh.Slater@uts.edu.au

C02024v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 032320G
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a research training scheme, scholarship or full-fee-paying basis (international). Contact UTS: Health or the UTS Graduate Research School for further details.

Overview

The Doctor of Philosophy is a research degree requiring an original and significant contribution to knowledge in a defined field of study. It is the traditional path for those wishing to assume leadership positions in research.

This course assists students to complete original research that contributes to knowledge in their field within an international context. A student may construct their thesis by way of a series of related prospective publications during the course of their candidacy. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. When students enrol, they become part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

This degree prepares nurses, midwives and health service professionals for leadership positions in teaching, management and research. Opportunities are not limited to Australia and there is the possibility of developing a career on an international level.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

All research students are expected to attend the twice-yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

Students undertake a research project that may be in a professional or clinical area of the student's choice, or may be of a theoretical nature, addressing gaps in knowledge related to policy or practice. Students choose from a variety of research methodologies with the research approach being determined by the nature of the research undertaken. The research culminates in the production of a thesis for examination. Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. Students work closely with a principal supervisor and a supervisory panel and are required to report on their progress each semester.

Course completion requirements

Select one of the following:

92984 PhD Thesis: Nursing
93000 PhD Thesis: Midwifery
93001 PhD Thesis: Health
93007 PhD Thesis: Sport and Exercise

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C02028v6 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 008681E
Course EFTSL: 4
Location: City campus

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The PhD is awarded to candidates who make an original and distinct contribution to knowledge in their field of specialisation.

This degree is particularly valuable for students wishing to pursue a career in research or academia.

Career options

Career options include positions in universities, undertaking research, contributions to public policy, or other academic work including teaching, interest groups and legal publishing.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Support for the project, availability of supervision, availability of places, evidence of research capacity in a relevant discipline and the applicant's overall abilities and experience are all taken into account.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

The faculty operates a pre-assessment process prior to the formal application process. This enables the faculty to give advice about whether:

- a student is likely to meet the academic eligibility requirements
- the faculty is able to offer supervision in a chosen research area
- a student appears to have a viable research topic.

The informal pre-assessment process provides students with an indication about whether they are likely to be recommended for admission if a formal application is submitted. Successful completion of the pre-assessment does not guarantee acceptance into the program. The faculty may request one or more drafts of a research proposal during pre-assessment. Prospective candidates are advised that research proposals may be reviewed by anti-plagiarism software. Contact the faculty research officer for further information about the pre-assessment process.

Formal applicants must submit a research proposal at the point of application. Once final approval is obtained for a research proposal, the topic cannot be changed except with the approval of the University.

Detailed information about the application process can be found at:

www.research.uts.edu.au/future-students

International students

International students must apply through UTS: International.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

The work may be carried out either on University premises or at a site external to the University, or some combination of both. Candidates are required to make contact with their supervisor(s) at least once a month to discuss the progress of their research.

Course structure

Candidates are required to submit a dissertation of approximately 100,000 words. As part of this course, students must also complete the subject 77697 Higher Degree Research Seminar.

The candidate is required to undertake all assessments as part of the Faculty's Doctoral Framework three-stage program. In the first stage candidates must complete a formal candidature assessment, and in the second stage a progress confirmation assessment, to ensure their progress is consistent with completion of the research program in the prescribed time and demonstrates potential to complete the work to standard. Doctoral candidates are required to make an oral presentation of their dissertation six months prior to submission of their dissertation for examination.

Information regarding UTS: Law's key research areas and strengths, and the research interests of staff members, is available at postgraduate research degrees (see page 103).

Course completion requirements

77696	PhD Thesis: Law	
77697	Higher Degree Research Seminar	8cp

Other information

Further information is available from the faculty research officer:

telephone +61 2 9514 3753

fax +61 2 9514 3400

email law.research@uts.edu.au

www.law.uts.edu.au

Applicants are encouraged to visit the UTS: Graduate Research School website at:

www.gradschool.uts.edu.au

C02029v4 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 009469A
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Information Technology or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

The course enables students to advance themselves in their career in computing and information technology. It offers flexibility in the choice of topic of research so it may be closely aligned with students' professional careers.

Career options

Career options include positions in universities and other institutions undertaking research or other academic work including teaching. Opportunities involving research and development also exist with national and international firms.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants' previous qualifications must have a major computing component. Before submitting a formal application for admission to this course, applicants should first seek the approval of a potential supervisor for their proposed research work.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

UTS: Information Technology has a strong preference for research work that proceeds at a full-time pace. However, this preference should not be seen as a deterrent to those students who wish to remain in employment. Students who are working full time are encouraged to select a topic for their research which is closely aligned with their professional work.

Course structure

There are three specific stages to the doctoral program to frame and support the progress of the candidate and their study.

The doctoral program includes the formalisation and / or introduction of a number of introductory and advanced modules, including subjects covering research preparation and research methods, to support the research and professional development of the student.

Research student progress is supported and reviewed through a doctoral study plan (DSP). Students design their own DSP in consultation with their supervisor(s). In the first stage the DSP is based on the student's academic and professional background and his or her goals. The second and third stages are based on the progress of his or her study. Candidates are assessed prior to advancing to the next stage of their candidature and submit, in consultation with their supervisor(s), a review of progress at the end of each semester.

Candidates are required to submit a thesis for examination under the supervision of their supervisor(s).

Course completion requirements

Select one of the following:

32986	PhD Thesis: Information Systems	
33874	PhD Thesis: Software Engineering	
32903	PhD Thesis: Analytics	
32144	Technology Research Preparation	6cp
32931	Technology Research Methods	6cp

Other information

Further information is available from the UTS: Graduate Research School at:

telephone +61 2 9514 1336

www.gradschool.uts.edu.au

or from UTS: Information Technology at:

Research Administration Officer

telephone +61 2 9514 4460

email Craig.Shuard@uts.edu.au

C02030v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 009463G
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Science or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree that involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

The PhD provides an opportunity for graduates to acquire high-level research skills and substantially deepen their knowledge in an area of science.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Selection criteria for admission also include the quality of the research project proposal, the faculty's ability to offer appropriate supervision in the applicant's chosen field and, where necessary, demonstration of necessary technical skills.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Course structure

Candidates are required to complete a thesis, under the supervision of appropriate members of academic staff. A formal course of study or other work may also be prescribed.

Candidates are required to submit, in consultation with their supervisor(s), a progress report at the end of each semester, and to complete a doctoral assessment and seminar.

Course completion requirements

34980	PhD Thesis: Mathematics

Other information

Further information is available from:

Office of the Associate Dean (Research and Development)

telephone +61 2 9514 2490

fax +61 2 9514 1656

email science.research@uts.edu.au

C02031v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 008663G
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Science or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree that involves an intense period of supervised study and research culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

The PhD provides an opportunity for graduates to acquire high-level research skills and substantially deepen their knowledge in an area of science.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Selection criteria for admission also include the quality of the research project proposal, the faculty's ability to offer appropriate supervision in the applicant's chosen field and, where necessary, demonstration of necessary technical skills.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Course structure

Candidates are required to complete a thesis, under the supervision of appropriate members of academic staff. A formal course of study or other work may also be prescribed.

Candidates are required to submit, in consultation with their supervisor(s), a progress report at the end of each semester, and to complete a doctoral assessment and seminar.

Course completion requirements

60986 PhD Thesis: Science

Other information

Further information is available from:

Office of the Associate Dean (Research and Development)

telephone +61 2 9514 2490

fax +61 2 9514 1656

email science.research@uts.edu.au

C02037v4 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 032334B
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact the Institute for Sustainable Futures or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation. It is offered to both local and international students.

Graduates from the PhD have consistently achieved excellent examiners' reports from international leaders in their fields. Many have been eligible for the UTS Chancellor's Award, and several have been placed on the Chancellor's List.

Course aims

The institute aims to support students taking a trans-disciplinary or interdisciplinary approach to research while building on their existing expertise.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applications to the Institute for Sustainable Futures are assessed based on the following four criteria:

- professional experience – strength and relevance to the candidate's opportunities (impact)
- research output (quality and impact)
- research proposal (quality)
- academic merit (quality).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Course structure

This research degree is undertaken wholly by thesis.

Course completion requirements

95582 PhD Thesis: Sustainable Futures

Other information

Further information is available from the Institute for Sustainable Futures on:

telephone +61 2 9514 4950

email isf@uts.edu.au

www.isf.uts.edu.au

Applicants may also contact the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C02039v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 043350M
Course EFTSL: 4
Location: City campus and China

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact UTS: International Studies or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

The Faculty of Arts and Social Sciences has strong expertise in China studies. University rules allow for the submission of a thesis in a language other than English providing that specific conditions have been met.

Career options

The research degrees offered by UTS: International Studies are especially valuable for those wishing to pursue an academic career or a career in research.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Each applicant should, prior to application, discuss their proposed thesis topic with the UTS: International Studies research coordinator to determine whether supervision is possible.

In addition to completing the University's application form, PhD applicants must provide the following:

- evidence of their ability to undertake advanced original research, appropriate to the proposed doctoral program. This may include previous research at honours and/or master's level, experience as a research team member, or professional practice involving systematic inquiry or advanced scholarship. Applicants should include a list of their published work, if appropriate
- project proposal: the proposal should be about 2000 words in length and include a statement of the problem, research question or area of investigation; a discussion of the relevant literature; an outline of the methodological approach; and a justification of the importance of the research. It should also indicate how the research aligns with one of the Faculty's research strengths.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Students are required to enrol in person and meet doctoral assessment requirements.

Contact your potential supervisor to discuss your application.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

This course is available in onshore and offshore mode. Activities are run by the faculty to support students in their research degrees. All onshore students are expected to attend these activities and students based offshore are expected to access these activities through our online forum. As well, students who study offshore must ensure they have regular communication with their supervisor.

Course structure

The research degree is undertaken wholly by thesis. A doctoral thesis is normally a work of 80,000–100,000 words and is examined by three appropriate examiners, external to UTS.

UTS: International Studies has the capacity to supervise theses in the fields of cultural diversity, social change, contemporary culture, politics, and modern history in China, Japan, Europe and the Americas.

The degree is structured in three phases. Phase 1 involves the development of a number of advanced research skills and capabilities. At the beginning of the program, each student negotiates a doctoral study plan with their supervisor. This plan makes explicit the kinds of support each student requires. A formal doctoral assessment is undertaken at the end of Phase 1 in which the candidates present a full proposal for assessment, which is a prerequisite for entering Phase 2.

In Phase 2, students develop their individual program of research, culminating in Phase 3 in the preparation and submission of a major thesis which makes a sustained contribution to knowledge in their field of inquiry.

Research and development activities are provided throughout the three phases to assist students to develop the capabilities of a successful doctoral graduate.

Course completion requirements

979105 PhD Thesis: International Studies

Other information

Further information is available from the research degrees administrator:

email ming.liang@uts.edu.au

C02041v4 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 015943G
Course EFTSL: 4
Location: City or Kuring-gai campuses

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Education or the UTS: Graduate Research School for further details.

Overview

The Doctor of Philosophy is designed to meet the needs of those who wish to pursue a career in research or academic life. In this program, candidates embark on high-level research in one of the areas of research strength within UTS: Education.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must be in education or a related discipline. Applicants are required to provide UTS: Education with a copy of a previously completed thesis, piece of substantial academic writing or research report as part of their evidence of academic record. The research topic must be aligned with a research area of the faculty. The applicant must also provide an outline and background to the intended area of research, making a case for its significance and importance, and explaining its connection to a research area of the Faculty of Arts and Social Sciences.

Selection criteria includes the quality of the research proposal and the faculty's ability to offer appropriate supervision in the applicant's chosen field.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete in less than the maximum time.

For all courses involving a major thesis there is provision for early submission of the thesis on application. A candidate who wishes to extend candidature must seek permission from the UTS: Graduate Research School Board.

Course structure

The course is structured in three phases. Phase 1 involves the development of a number of advanced research skills and capabilities. At the beginning of the program, each student negotiates a doctoral study plan with their supervisor. This plan makes explicit the kinds of support each student requires. A formal doctoral assessment is undertaken at the end of Phase 1 in which the candidate presents a full proposal for assessment, which is a prerequisite for entering Phase 2.

In Phase 2, students develop their individual program of research, culminating in Phase 3 in the preparation and submission of a major thesis which makes a sustained contribution to knowledge in their field of inquiry.

Research and development activities are provided throughout the three phases to assist students to develop the capabilities of a successful doctoral graduate in education.

Course completion requirements

019982 PhD Thesis: Education

Other information

Further information is available from the research degrees administrator:

email Margaret.McGrath@uts.edu.au

C02047v1 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 058666A
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Information Technology or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree which involves an intense period of supervised study and research, culminating in the submission of a thesis. The degree is awarded to candidates who, through original investigation, make a distinct and significant contribution to knowledge in their field of specialisation.

The course enables students to advance themselves in their career in computing and information technology. It offers flexibility in the choice of topic of research so it may be closely aligned with students' professional careers.

Career options

Career options include positions in universities and other institutions undertaking research or other academic work including teaching. Opportunities involving research and development also exist with national and international firms.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must have a major computing component. Applicants should first seek the approval of a potential supervisor for their proposed research work.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

UTS: Information Technology has a strong preference for research work that proceeds at a full-time pace. However, this preference should not be seen as a deterrent to those students who wish to remain in employment. Students who are working full time are encouraged to select a topic for their research which is closely aligned with their professional work.

Course structure

There are three specific stages to the doctoral program to frame and support the progress of the candidate and their study.

The doctoral program includes the formalisation and / or introduction of a number of introductory and advanced modules, including subjects covering research preparation and research methods, to support the research and professional development of the student.

Research student progress is supported and reviewed through a doctoral study plan (DSP). Students design their own DSP in consultation with their supervisor(s). In the first stage the DSP is based on the student's academic and professional background and his or her goals. The second and third stages are based on the progress of his or her study. Candidates are assessed prior to advancing to the next stage of their candidature and submit, in consultation with their supervisor(s), a review of progress at the end of each semester.

Candidates are required to submit a thesis for examination under the supervision of their supervisor(s).

Course completion requirements

33875	PhD Thesis: Computer Systems	
32144	Technology Research Preparation	6cp
32931	Technology Research Methods	6cp

Other information

Further information is available from the UTS: Graduate Research School at:

telephone +61 2 9514 1336

www.gradschool.uts.edu.au

or from UTS: Information Technology at:

Research Administration Officer

telephone +61 2 9514 4460

email Craig.Shuard@uts.edu.au

C02048v3 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 058221G
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact UTS: Business or the UTS: Graduate Research School for further details.

Overview

The PhD is a University-wide degree that involves an intense period of supervised study and research. The degree of Doctor of Philosophy is awarded to successful candidates who have made a distinct contribution to knowledge, whether by original investigation, review or criticism.

With accreditation from the Association to Advance Collegiate Schools of Business (AACSB) International, UTS Business School is one of a select few elite business schools worldwide. Many UTS Business School staff are leaders in their fields both academically and in industry, working as senior staff or consultants, or with strong links to major corporations.

The UTS Business School PhD program recognises that certain core skills are critical to the successful completion of world-class research. The PhD program provides the opportunity for candidates to receive training in advanced disciplinary and cross-disciplinary methods which provide the basis on which candidates are able to build research capability. PhD students are supervised by a committee of three, with a chairperson normally located in the discipline most fundamental to the candidate's doctoral research. Interdisciplinary research is encouraged, and PhD committees can include researchers from cognate or other disciplines beyond where the candidate is located.

Career options

Career options include management-level positions in industry or government, and academic positions.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must be in business or a related discipline. Each applicant is required, prior to application, to discuss a potential thesis area with the relevant school research coordinator who then advises whether appropriate supervisors and resources are available. Applicants are also required to submit a brief thesis proposal or statement of research interest with their application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Course structure

Candidates are required to complete a thesis of approximately 50,000-70,000 words. Candidates may also be required to undertake some coursework in research methods and / or theoretical knowledge in the core fields of study. During their candidature, students' progress is monitored via assessments and regular progress reports.

Course completion requirements

Select one of the following:

21982	PhD Thesis: Management
22982	PhD Thesis: Accounting
24982	PhD Thesis: Marketing
23926	PhD Thesis: Economics
25927	PhD Thesis: Finance

Other information

Further information is available from the UTS: Graduate Research School at:

www.gradschool.uts.edu.au

C02050v1 Doctor of Education

Award(s): Doctor of Education (EdD)
CRICOS code: 066824C
Course EFTSL: 4
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact the faculty or the UTS: Graduate Research School for further details.

Overview

The Doctor of Education is designed to meet the needs of practitioners who wish to research some aspect of their field of practice. Candidates embark on high-level, practice-based research into one of the areas of research strength in UTS: Education.

The course caters not only for students committed to an academic path, but for senior practitioners from public and private sectors who wish to study and undertake research at the highest level.

Course aims

The purpose of the course is to enhance the practitioner's capacity to question, analyse, critique and develop their profession and its practices. It is a research degree whose purpose is to assist professionals to develop a relationship between research and their professional activities, in areas such as policy development and appraisal, innovation and administration.

Career options

Career options include leadership roles in the education field as a principal, manager, planner, policy adviser, teacher or trainer, in a government, industrial, commercial or community setting.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must be in education or a related discipline. Applicants are required to provide UTS: Education with a copy of a previously completed thesis, piece of substantial academic writing or research report as part of their evidence of academic record. Applicants must also develop a brief research proposal that indicates a scope and standard appropriate to an educational doctoral degree.

Selection criteria also includes the faculty's ability to offer appropriate supervision in the applicant's chosen field.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

This course is normally completed on a part-time basis, taking between three and four-and-a-half years. Students continue their professional work while they study. There is provision for early submission of the thesis on application.

Course structure

The course is structured into three phases. Phase 1 (the first two semesters) involves a structured foundation of research development workshops, in which participants work collaboratively with their supervisors, other academics and fellow students to develop their research proposals. Students can enter the course having professional experience as well as having demonstrated potential to do research. There are specific skills and capabilities required of doctoral level research and study, which are systematically developed through these workshops, with a particular focus on researching practice and on the development of a portfolio. A formal doctoral assessment is undertaken at the end of Phase 1 in which candidates present a full proposal for assessment, which is a prerequisite for entering Phase 2.

In Phase 2, candidates develop their individual program of research which culminates in Phase 3 in a sustained contribution to some aspect of professional practice and which is presented in a portfolio of outcomes. Each portfolio is developed according to a negotiated process with supervisors, and is accompanied by a statement establishing the scale and standard of work. Candidates participate in a range of research and development activities throughout this phase to assist them in developing the capabilities of a successful doctoral graduate in education.

Course completion requirements

019950 EdD Thesis: Education

Other information

Further information is available from the research degrees administrator:

email Margaret.McGrath@uts.edu.au

C02051v1 Doctor of Project Management

Award(s): Doctor of Project Management (DPM)
CRICOS code: 045835G
Course EFTSL: 3
Location: City campus

Overview

This course combines coursework subjects and original research culminating in a doctoral dissertation. Candidates develop their doctoral topic through the coursework component. The dissertation must have a project, program or portfolio management focus and analysis representing an original investigation, criticism or review of a project, program and portfolio management of a standard suitable for publication.

The research can be undertaken in a variety of industries and applications such as product development, information and communication systems, innovation and technology, defense, construction, health, planning, property development, architecture

and design and organisational change. Research related to finding solutions for problems at a workplace informed by rigorous research is encouraged.

This program is one of the few professional doctorates in project management in Australia. It counters the isolation experienced by many PhD doctoral candidates by providing a combination of postgraduate coursework subjects and a dissertation, and allows candidates to benefit from contact with coursework students and UTS: Design Architecture and Building.

Career options

Career options include project management consultancy, senior management positions in project management and consultancy organisations, positions in universities, undertaking research, or other academic work, including teaching and research supervision.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

At least five years of industry experience in project management or senior management positions is expected, as the research requires a good understanding of organisational issues. Support for the project, availability of supervision, availability of places, availability of facilities at UTS, the applicant's overall abilities and experience and report of the academic referees submitted with the application are all taken into account.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Applicants must submit a research proposal at the point of application. Once final approval is obtained for a research proposal, the topic cannot be changed except with the approval of the University. A research proposal should be submitted along with the application as detailed at:

www.uts.edu.au/research-and-teaching/future-researchers

Local students

Information about the application process can be found at:

www.uts.edu.au/research-and-teaching/future-researchers/research-degrees-uts/applying-research-degree-and-scholarship

International students

International students can find details on how to apply for study at UTS at:

www.uts.edu.au/future-students/international

The international postgraduate student application form is available to download at:

www.uts.edu.au/future-students/international/essential-information/applying-study-uts

Credit recognition

Suitably qualified applicants may be given up to 36 credit points of exemptions for coursework subjects.

Further details are available at:

www.uts.edu.au/future-students/design-architecture-and-building/essential-information/credit-recognition

Course duration and attendance

The standard course duration is three years of full-time (six semesters) or six years of part-time (12 semesters) study (the maximum course duration is four years of full-time or eight years of part-time study).

Each coursework subject involves block attendance on campus of nominally five days duration. Prior to this period, there are preparatory tasks supported by online resources and participation, and following this period students are required to complete individual assessment tasks, again using online support from teaching staff. The research methodology subjects are taught online.

The research component comprises regular meetings with the allocated supervisor, face-to-face for local students on campus, and using communication and collaboration technologies for students doing this research from an approved overseas location. Students located overseas are required to come to UTS for their first assessment and will have a local supervisor allocated to them accessible for face-to-face meetings where they are located.

Course structure

The course comprises one-third coursework subjects and two-thirds research thesis.

From Autumn 2010, this course requires completion of two compulsory 6-credit-point research methodology subjects, six 6-credit-point Master of Project Management (C04006) (see page 352) postgraduate coursework subjects chosen from CBK90605, and a dissertation of approximately 50,000 to 75,000 words.

With prior approval from the allocated supervisor and the course director, up to a maximum of two of the postgraduate coursework subjects can be substituted with subjects from other UTS faculties, provided these subjects help the candidate formulate and conduct their research.

While the DPM thesis may be shorter than a PhD thesis, taking account of the coursework component, it is expected to exhibit the same level of originality, criticism and intellectual rigour normally associated with a PhD thesis. Being a professional doctorate, the research is also expected to contribute to professional practice.

Both the candidate and the candidate's principal supervisor are required to submit progress reports at the end of each semester following commencement of the dissertation. Within the first year of commencement for full-time students, or one-and-a-half years for part-time students, candidates must complete a formal doctoral assessment to ensure they are gaining the prerequisite knowledge and skills to allow successful and timely completion of the proposed research program; that their progress is consistent with completion of the research program in the prescribed time; and that they demonstrate the potential to complete the work to standard.

Course completion requirements

15462	Introduction to Research		6cp
15463	The Research Process		6cp
15464	Doctoral Thesis: Project Management		
Select 36 credit points from the following options:			36cp
15330	Program Management	6cp	
15336	Systems Thinking for Managers	6cp	
15346	Governance and Leadership of Project Management	6cp	
15347	The Project Organisation: A New Organisational Model	6cp	
15327	Managing Project Complexity	6cp	
15338	Strategic Procurement and Contract Management	6cp	
15325	Negotiation and Conflict Management	6cp	
15356	Project Performance Improvement	6cp	
15326	Project Management Practicum	6cp	

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

or from the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C02052v1 Doctor of Nursing

Award(s): Doctor of Nursing (DN)
CRICOS code: 032319A
Course EFTSL: 4
Location: City campus

Note(s)

This course is not available for new admissions in 2014. For further information contact the research administrator in UTS: Health.

Overview

UTS: Health's research degrees are highly regarded, both nationally and internationally. Candidates for the Doctor of Nursing have the opportunity to integrate a research focus within a framework of policy development, leadership and international practice. Graduates from a Doctor of Nursing can lead in the development of practice and take their place in disciplinary research projects.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. When students enrol, they become part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

The Doctor of Nursing prepares nurses for leadership positions within the profession. Opportunities are not limited to Australia and there is the possibility of developing a career on an international level.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are required to have authorisation to practise as a registered nurse and substantial professional/administrative experience as evidenced by their professional portfolio. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Subjects are run in intensive mode, with an additional online component. All research students are expected to attend the twice-yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

This degree is a structured program of study and research related to the development and extension of professional practice, culminating in the presentation of a research portfolio for examination. It includes an emphasis on the extension and leadership development of both practice and practitioners in local, national and international contexts. Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. During candidature students complete research preparation subjects and subjects examining the program themes, as well as their selected research projects. Students work closely with a principal supervisor and a supervisory panel and are required to report on their progress each semester.

Course completion requirements

92981	D Nursing Dissertation	
93002	Knowledge Utilisation and Policy in Health Services and Practice	6cp
93003	Research Inquiry: Processes and Practices	6cp
93004	Research Design and Analysis in Health Services and Practice	6cp
93005	Leading Change in Health Services and Practice	6cp

Course program

The program for the coursework component appears below.

Year 1

Autumn semester

93003	Research Inquiry: Processes and Practices	6cp

Spring semester

93004	Research Design and Analysis in Health Services and Practice	6cp

Year 2

Autumn semester

93002	Knowledge Utilisation and Policy in Health Services and Practice	6cp

Spring semester

93005	Leading Change in Health Services and Practice	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C02053v1 Doctor of Midwifery

Award(s): Doctor of Midwifery (DMid)
CRICOS code: 032559G
Course EFTSL: 4
Location: City campus

Note(s)

This course is not available for new admissions in 2014. For further information contact the research administrator in UTS: Health.

Overview

UTS: Health's research degrees are highly regarded, both nationally and internationally. Candidates for the Doctor of Midwifery have the opportunity to integrate a research focus within a framework of policy development, leadership and international practice. Graduates from a Doctor of Midwifery can lead in the development of practice and take their place in disciplinary research projects.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. When students enrol, they become part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

This course prepares midwives for leadership positions within the profession. Opportunities are not limited to Australia and there is the possibility of developing a career on an international level.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are required to have authorisation to practise as a registered midwife and have substantial professional / administrative experience as evidenced by their professional portfolio. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Subjects are run in intensive mode, with an additional online component. All research students are expected to attend the twice-yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

This degree is a structured program of study and research related to the development and extension of professional practice, culminating in the presentation of a research portfolio for examination. It includes an emphasis on the extension and leadership development of both practice and practitioners in local, national and international contexts. Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. During candidature, students complete research preparation subjects and subjects examining the program themes, as well as their selected research projects. Students work closely with a principal supervisor and a supervisory panel and are required to report on their progress each semester.

Course completion requirements

92980	D Midwifery Dissertation	
93002	Knowledge Utilisation and Policy in Health Services and Practice	6cp
93003	Research Inquiry: Processes and Practices	6cp
93004	Research Design and Analysis in Health Services and Practice	6cp
93005	Leading Change in Health Services and Practice	6cp

Course program

The program for the coursework component appears below.

Year 1

Autumn semester

93003	Research Inquiry: Processes and Practices	6cp

Spring semester

93004	Research Design and Analysis in Health Services and Practice	6cp

Year 2

Autumn semester

93002	Knowledge Utilisation and Policy in Health Services and Practice	6cp

Spring semester

93005	Leading Change in Health Services and Practice	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C02054v1 Doctor of Health Services

Award(s): Doctor of Health Sciences (DHS)
CRICOS code: 066311F
Course EFTSL: 4
Location: City campus

Note(s)

This course is not available for new admissions in 2014. For further information contact the research administrator in UTS: Health.

Overview

UTS: Health's research degrees are highly regarded, both nationally and internationally. Candidates for the Doctor of Health Services have the opportunity to integrate a research focus within a framework of policy development, leadership and international practice. Graduates from a Doctor of Health Services can lead in the development of health service delivery and management and take their place in disciplinary research projects.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. When students enrol, they become part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

The Doctor of Health Services prepares health professionals for leadership positions within the profession. Opportunities are not limited to Australia and there is the possibility of developing a career on an international level.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are required to have a position in the health services sector and substantial professional / administrative experience as evidenced by their professional portfolio. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study.

Subjects are run in intensive mode, with an additional online component. All research students are expected to attend the twice-yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

This degree is a structured program of study and research related to the development and extension of professional practice, culminating in the presentation of a research portfolio for examination. It includes an emphasis on the extension and leadership development of both practice and practitioners in local, national and international contexts. Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. During candidature, students complete research preparation subjects and

subjects examining the program themes, as well as their selected research projects. Students work closely with a principal supervisor and a supervisory panel, and are required to report on their progress each semester.

Course completion requirements

92979	Health Services Dissertation	
93002	Knowledge Utilisation and Policy in Health Services and Practice	6cp
93003	Research Inquiry: Processes and Practices	6cp
93004	Research Design and Analysis in Health Services and Practice	6cp
93005	Leading Change in Health Services and Practice	6cp

Course program

The course program is shown below.

Year 1

Autumn semester

93003	Research Inquiry: Processes and Practices	6cp

Spring semester

93004	Research Design and Analysis in Health Services and Practice	6cp

Year 2

Autumn semester

93002	Knowledge Utilisation and Policy in Health Services and Practice	6cp

Spring semester

93005	Leading Change in Health Services and Practice	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the University Graduate School:

www.gradschool.uts.edu.au

C02055v1 Doctor of Education

Award(s): Doctor of Education (EdD)
Course EFTSL: 4
Location: Hong Kong

Note(s)

This course is only offered offshore. It is available in Hong Kong. The language of tuition is English.

This is the offshore version of the Doctor of Education (C02050) (see page 532).

Overview

The Doctor of Education is designed to meet the needs of practitioners who wish to research some aspect of their field of practice. Candidates embark on high-level, practice-based research into one of the areas of research strength in UTS: Education.

The course caters not only for students committed to an academic path, but for senior practitioners from public and private sectors who wish to study and undertake research at the highest level.

Course aims

The purpose of the course is to enhance the practitioner's capacity to question, analyse, critique and develop their profession and its practices. It is a research degree whose purpose is to assist professionals to develop a relationship between research and their professional activities, in areas such as policy development and appraisal, innovation and administration.

Career options

Career options include leadership roles in the education field as a principal, manager, planner, policy adviser, teacher or trainer, in a government, industrial, commercial or community setting.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must be in education or a related discipline. Applicants are required to provide UTS: Education with a copy of a previously completed thesis, piece of substantial academic writing or research report as part of their evidence of academic record. Applicant must also develop of a brief research proposal that indicates a scope and standard appropriate to an educational doctoral degree.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

This course is normally completed on a part-time basis, taking between three and four-and-a-half years. Students continue their professional work while they study. There is provision for early submission of the thesis on application.

Course structure

The course is structured into three phases. Phase 1 involves a structured foundation of research development workshops, in which participants work collaboratively with their supervisors, other academics and fellow students to develop their research proposals. Students can enter the course having professional experience as well as having demonstrated potential to do research. There are specific skills and capabilities required of doctoral level research and study, which are systematically developed through these workshops, with a particular focus on researching practice and on the development of a portfolio. A formal doctoral presentation is undertaken at the end of Phase 1 in which candidates present a full proposal for evaluation, which is a prerequisite for entering Phase 2.

In Phase 2, candidates develop their individual program of research which culminates in Phase 3 in a sustained contribution to some aspect of professional practice and which is presented in a portfolio of outcomes. Each portfolio is developed according to a negotiated process with supervisors, and is accompanied by a statement establishing the scale and standard of work. Candidates participate in a range of research and development activities throughout this phase to assist them in developing the capabilities of a successful doctoral graduate in education.

Course completion requirements

019950	EdD Thesis: Education

Professional recognition

This course is accredited by the Hong Kong Education Board.

Other information

Further information is available from the research degrees administrator:

email Margaret.McGrath@uts.edu.au

C02056v1 Doctor of Philosophy

Award(s): Doctor of Philosophy (PhD)
CRICOS code: 074603E
Course EFTSL: 4
Location: City campus

Note(s)

If you are considering this degree, submit an expression of interest in the first instance. The school provides you with further information and assists you with the application process.

Overview

This is a research degree requiring an original and significant contribution to knowledge. It is the traditional path for those wishing to assume leadership positions in research. It requires students to undertake a large research project under academic supervision.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcome-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. When students enrol, they become part of a lively and vigorous research culture, working closely with academic staff and professionals from the pharmacy and healthcare industries.

Career options

This degree prepares candidates for leadership positions in teaching, management and research. Opportunities are not limited to Australia and there is the possibility of developing a career on an international level.

Admission requirements

Applicants must have completed a UTS recognised master's by research or bachelor's degree with first or second class honours (division 1), or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is four years of full-time or eight years of part-time study. Students can complete the course in less than the maximum time.

Course completion requirements

95589 PhD Thesis: Pharmacy

Other information

For further information, contact UTS: Pharmacy:

email pharmacyresearch@uts.edu.au

www.pharmacy.uts.edu.au

C03001v3 Master of Architecture (Research)

Award(s): Master of Architecture (MArch)
CRICOS code: 008672F
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact a UTS Student Centre or the UTS: Graduate Research School for further details.

Overview

A limited number of places are offered each year to suitably qualified students to follow a program of study leading to this award. This degree is for graduates seeking to extend and deepen their knowledge by undertaking an appropriate research investigation under professional supervision by UTS: Design, Architecture and Building academic staff.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

The requirement of this degree is the preparation of a thesis which is judged by its examiners to be a distinct contribution to the knowledge of the subject. The format of the body of work and the length of the written dissertation are determined after discussion with UTS: Design, Architecture and Building staff and must be approved by the Graduate Studies Committee. Candidates may be required to first undertake coursework subjects in research methodology to gain experience with research methods and skills. Candidates are required to present papers, which form part of the preparation of their thesis, at UTS: Design, Architecture and Building postgraduate seminars.

Course completion requirements

13905 Thesis (Architecture)

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

or from the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C03002v4 Master of Built Environment (Research)

Award(s): Master of Built Environment (MBuiltEnv)
CRICOS code: 008674D
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact a UTS Student Centre or the UTS: Graduate Research School for further details.

Overview

A limited number of places are offered each year to suitably qualified students to follow a program of study leading to this award. This degree is for graduates seeking to extend and deepen their knowledge by undertaking an appropriate research investigation under professional supervision by UTS: Design, Architecture and Building academic staff.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

The requirement of this degree is the preparation of a thesis which is judged by its examiners to be a distinct contribution to the knowledge of the subject. The format of the body of work and the length of the written dissertation are determined after discussion with UTS: Design, Architecture and Building staff and must be approved by the Graduate Studies Committee. Candidates may be required to first undertake coursework subjects in research methodology to gain experience with research methods and skills. Candidates are required to present papers, which form part of the preparation of their thesis, at the UTS: Design, Architecture and Building postgraduate seminars.

Course completion requirements

Select one of the following:

14903	Thesis (Building)
15903	Thesis (Quantity Surveying)

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

or from the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C03012v3 Master of Design (Research)

Award(s): Master of Design (MDesign)
CRICOS code: 030867M
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored basis for permanent residents or on a full-fee-paying basis for international students. Contact a UTS Student Centre or the UTS: Graduate Research School for further details.

Overview

This degree is for graduates who want to deepen their understanding and hands-on skills in both research-for-design and research-by-design as a way to define the future of the design profession.

Design challenges are becoming more and more complex: digitisation, globalisation, the growing importance of services and the shift towards culturally and socially intelligent design means that the profile and role of the designer are changing. Research for design and researching through design experiments are becoming part of new design practice. In this course, students are challenged to develop a deep understanding of what this means for them as practising designers. They are trained in the insights and hands-on skills to do the various types of research that are becoming all-important in modern design practice.

Career options

Graduates are the new guard of academically trained designers who have deepened their insight into where design is going, and can offer employers the combination of design and research skills that they need for their long-term prosperity. There is also a clear path from this degree towards a more research-focused career, either in industry or in academia.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

The requirement of this degree is the preparation of a thesis which is judged by its examiners to be a distinct contribution to the knowledge of the subject. The format of the body of work and the length of the written dissertation are determined after discussion with UTS: Design, Architecture and Building staff and must be approved by the Graduate Studies Committee.

Candidates may be required first to undertake coursework subjects in research methodology to gain experience with research methods and skills. Candidates are also required to present papers, which form part of the preparation of their thesis, at the UTS: Design, Architecture and Building postgraduate seminars.

Specialisations are generally available within the areas of fashion and textile, industrial, interior and visual communication design, subject to supervisor availability.

Course completion requirements

81821 Thesis (Design)

Further study at UTS

This course can articulate into a PhD program of advanced research.

Other information

Further information is available from the Building 6 Student Centre on:

telephone 1300 ask UTS (1300 275 887)

or +61 2 9514 1222

Ask UTS www.ask.uts.edu.au

www.dab.uts.edu.au

or from the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C03017v2 Master of Engineering (Research)

Award(s): Master of Engineering (ME)
CRICOS code: 009468B
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Engineering or the UTS: Graduate Research School for further details.

Overview

This degree may be awarded to candidates who have completed an individual program of supervised work and submitted a thesis embodying the results. Topics which involve close cooperation with industry are strongly encouraged, and a majority of current candidates are engaged in topics which are actively supported by their employers.

This degree provides practising engineers with an opportunity to pursue, in depth, the solution of an engineering problem which requires individual effort beyond the scope of a bachelor's degree. In keeping with the faculty's overall policies, the accent is on applied research and development work, although basic research proposals are also welcomed and supported.

Career options

Career options include positions in universities and other institutions undertaking research or other academic work including teaching. Opportunities involving research and development also exist with national and international firms.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Candidates may commence their studies from January or July in any given year and the work may be carried out either using faculty facilities or in an industrial location. Candidates who are specially qualified in the relevant discipline may be allowed to complete the program in less than the maximum time.

Course structure

The Master of Engineering is undertaken by candidates who complete a thesis on a topic of their choice, which has been approved by the University. The thesis must make a distinct contribution to knowledge in the area covered. Its contents may report the results of an original investigation or review, or criticise some aspect of engineering knowledge, or present an engineering design or solution involving the application of new or known techniques to an engineering problem of significance. There are no coursework subjects in this course. There is a formal assessment of progress at the end of the first two semesters for both full-time and part-time candidates, in accordance with University Rule 11.13.

Course completion requirements

49776 Master of Engineering Thesis

Other information

Further information is available from the Faculty of Engineering and Information Technology Research and Development Office on:

telephone +61 2 9514 2686

email research@eng.uts.edu.au

www.eng.uts.edu.au

C03018v2 Master of Arts in Humanities and Social Sciences (Research)

Award(s): Master of Arts (MA)
CRICOS code: 014624G
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Communication or the UTS: Graduate Research School for further details.

Overview

The Master of Arts in Humanities and Social Sciences (Research) provides an opportunity for graduates to develop their research skills, to deepen their knowledge in an area of the social sciences or humanities, and to undertake some original research.

Career options

The research degrees offered by UTS: Communication are especially valuable for those wishing to pursue an academic career, a career in research or an advanced level of professional practice.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Selection criteria include the quality of the research proposal, UTS: Communication's ability to offer appropriate supervision in the applicant's chosen field of study, and, where necessary, possession of generic technical skills.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

This research degree is undertaken wholly or mainly by thesis. A master's thesis is normally a work of 30,000-40,000 words. Coursework subjects may be prescribed, according to individual student requirements.

While the usual master's thesis is written in dissertation style, candidates may, if they wish, illustrate their argument by submitting film, video, sound/audio, photography or other formats together with a written dissertation of shorter length. Applicants should contact the research degrees administrator for further information on non-traditional formats for thesis presentation.

Course completion requirements

51984 Master of Arts Thesis

Other information

Further information is available from the research degrees administrator on:

telephone +61 2 9514 4512

email hss.researchdegrees@uts.edu.au

C03024v6 Master of Laws (Research)

Award(s): Master of Laws (LLM)
CRICOS code: 006407F
Course EFTSL: 2
Location: City campus

Overview

The Master of Laws (Research) provides an opportunity for graduates to develop their research skills, deepen their knowledge in some area of the law and undertake original research. The degree is awarded to candidates who demonstrate competence in research, an understanding of research methods and an ability to make an original contribution to knowledge.

This course is suitable for students who have completed a coursework degree and wish to deepen their knowledge in a particular legal area by means of research. Students develop critical and analytical skills and advanced research skills to enable in-depth exploration of their chosen area. This degree is valuable for those wishing to pursue a career in research.

Career options

Career options include positions in universities, undertaking research, contributions to public policy, or other academic work including teaching, interest groups and legal publishing.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must be in a relevant discipline, usually with honours or a distinction average.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

The faculty operates a pre-assessment process prior to the formal application process. This enables the faculty to give advice about whether:

- a student is likely to meet the academic eligibility requirements
- the faculty is able to offer supervision in a chosen research area
- a student appears to have a viable research topic.

The informal pre-assessment process provides students with an indication about whether they are likely to be recommended for admission if a formal application is submitted. Successful completion of the informal assessment does not guarantee acceptance into the program. The faculty may request one or more drafts of a research proposal during pre-assessment. Prospective candidates are advised that research proposals may be reviewed by anti-plagiarism software. Contact the research officer for further information about the pre-assessment process.

Formal applicants must submit a research proposal at the point of application. Once final approval is obtained for a research proposal, the topic cannot be changed except with the approval of the University.

Detailed information about the application process can be found at:

www.research.uts.edu.au/future-students

International students

International students must apply through UTS: International.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study. Students can complete the course in less than the maximum time.

The work may be carried out either on University premises or at a site external to the University, or some combination of both. Candidates are required to make contact with their supervisor(s) at least once a month to discuss the progress of the research being undertaken.

Course structure

Students are required to submit a thesis of approximately 40,000-60,000 words. As part of this course, students must also complete the subject 77697 Higher Degree Research Seminar.

The candidate is required to undertake all assessments as part of the Faculty's Doctoral Framework three-stage program. In the first stage candidates must complete a formal candidature assessment, and in the second candidates must complete a progress confirmation, to ensure their progress is consistent with completion of the research program in the prescribed time and that they demonstrate potential to complete the work to standard.

Information regarding UTS: Law's key research areas and strengths, and the research interests of staff members, is available at postgraduate research degrees (see page 103).

Course completion requirements

77698	Thesis (Law)	
77697	Higher Degree Research Seminar	8cp

Transfer between UTS courses

Candidates in the Master of Laws (Research) who wish to transfer to the PhD but do not meet the PhD admission requirements can apply to transfer. Transfer applicants must have completed a minimum of one year's study and have reached a standard equivalent to that of a bachelor's degree with first or second class honours (division 1). Candidates applying to transfer must also demonstrate, with the support of their supervisor(s), that their topic has doctoral scope.

Other information

Further information is available from the faculty research officer:

telephone +61 2 9514 3753

fax +61 2 9514 3400

email law.research@uts.edu.au

www.law.uts.edu.au

Applicants are encouraged to visit the UTS: Graduate Research School website at:

www.gradschool.uts.edu.au

C03025v3 Master of Science in Computing Sciences (Research)

Award(s): Master of Science (MSc)
CRICOS code: 001121E
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Information Technology or the UTS: Graduate Research School for further details.

Overview

This course enables graduates to extend and deepen their knowledge in a specialised area of computing by undertaking research under the supervision of a member of academic staff.

The course enables students to advance themselves in their career in computing and information technology, and offers flexibility in the choice of research topic so it may be closely aligned with students' professional careers.

Career options

This course enables graduates to extend and deepen their knowledge of a specialised area of computing by undertaking research. The course enables students to advance themselves in their career in computing and information technology, and offers flexibility in the choice of research topic so it may be closely aligned with students' professional careers. Career options include positions in universities and other institutions undertaking research or other academic work including teaching. Opportunities involving research and development also exist with national and international firms.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must have a major computing component. Before submitting a formal application for admission to this degree course, applicants should first seek the approval of a potential supervisor for their proposed research work.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

UTS: Information Technology has a strong preference for research work that proceeds at a full-time pace. However, this preference should not be seen as a deterrent to those students who wish to remain in employment. Students who are working full time are encouraged to select a topic for their research which is closely aligned with their professional work.

Course structure

Candidates are required to complete two subjects covering technology research preparation and technology research methods respectively (some candidates may be exempt from completing these subjects).

The degree is examined through presentation of a thesis.

All thesis students are required to submit, in consultation with their supervisor(s), a progress report at the end of each semester. The UTS: Graduate Research School contacts each student and their supervisor(s) to initiate this process.

Course completion requirements

31675	Thesis (Computing Science)	
32144	Technology Research Preparation	6cp
32931	Technology Research Methods	6cp

Other information

Further information is available from the UTS: Graduate Research School at:

telephone +61 2 9514 1336

www.gradschool.uts.edu.au

or from UTS: Information Technology at:

Research Administration Officer

telephone +61 2 9514 4460

email Craig.Shuard@uts.edu.au

C03026v5 Master of Science in Mathematical Sciences (Research)

Award(s): Master of Science (MSc)
CRICOS code: 032335A
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Science or the UTS: Graduate Research School for further details.

Overview

This course provides an opportunity to acquire research skills and to deepen knowledge in one of the areas of mathematics. The aim of the program is the professional development of candidates through mastery of a substantial body of mathematical literature together with original research work under the guidance of a supervisor.

Career options

Skills in research and the ability to think mathematically are in growing demand in industry, finance and various government organisations. As a consequence, graduates of this course significantly broaden their career choices, and the research topic may be chosen to further facilitate their career paths, for example, in senior levels of market research, quantitative management and quantitative finance.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

Students work under the guidance of a supervisor who is a member of the full-time academic staff of the University. The degree is examined through the presentation of a thesis. Students are also required to present seminars during the time of their enrolment and at the completion of their program. Students may be required to take one or several subjects deemed necessary by their principal supervisor or the Faculty Research Committee.

Course completion requirements

34776 Thesis (Mathematics)

Other information

Further information is available from:

Office of the Associate Dean (Research and Development)

telephone +61 2 9514 2490

fax +61 2 9514 1656

email science.research@uts.edu.au

C03029v3 Master of Science (Research)

Award(s): Master of Science (MSc)
CRICOS code: 030869J
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Science or the UTS: Graduate Research School for further details.

Overview

This course provides an opportunity for graduates to acquire research skills and deepen their knowledge in an area of science.

Course aims

The aim of the program is the professional development of the candidate, providing experience in problem definition, hypothesis formulation and testing, data acquisition, analysis and interpretation, and project presentation.

Career options

Career options include environmental consultant, medical scientist, researcher, resource manager, scientist or technologist.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

Students work under the guidance of a supervisor who is a member of the full-time academic staff of the University. The degree is examined through presentation of a thesis. Students may be required to take a prescribed subject in research methodology or any other subject deemed necessary by their principal supervisor or the Faculty Research Committee.

Course completion requirements

91774 Master of Science Thesis

Other information

Further information is available from:

Office of the Associate Dean (Research and Development)

telephone +61 2 9514 2490

fax +61 2 9514 1656

email science.research@uts.edu.au

C03032v4 Master of Sustainable Futures (Research)

Award(s): Master of Sustainable Futures (Research) (MSF(Res))
CRICOS code: 028886D
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact the Institute for Sustainable Futures or the UTS: Graduate Research School for further details.

Overview

This degree involves a period of supervised study and research, culminating in the submission of a thesis. It is offered to both local and international students.

Graduates from the master's have consistently achieved excellent examiners' reports from international leaders in their fields. Many have been eligible for the UTS Chancellor's Award, and several have been placed on the Chancellor's List.

Course aims

The institute aims to support students taking a trans-disciplinary or interdisciplinary approach to research while building on their existing expertise.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must be in a relevant field.

Applications to the Institute for Sustainable Futures are assessed based on the following four criteria:

- professional experience – strength and relevance to the candidate's opportunities (impact)
- research output (quality and impact)
- research proposal (quality)
- academic merit (quality).

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

This research degree is undertaken wholly by thesis.

Course completion requirements

95583 Master of Sustainable Futures Thesis

Other information

Further information is available from the Institute for Sustainable Futures on:

telephone +61 2 9514 4950

email isf@uts.edu.au

www.isf.uts.edu.au

Applicants may also contact the UTS: Graduate Research School on:

telephone +61 2 9514 1336

email ugs@uts.edu.au

www.gradschool.uts.edu.au

C03034v2 Master of Arts in International Studies (Research)

Award(s): Master of Arts in International Studies (MA)
CRICOS code: 043338G
Course EFTSL: 2
Location: City campus and China

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact UTS: International Studies or the UTS: Graduate Research School for further details.

Overview

This degree provides an opportunity for graduates to develop their research skills, to deepen their knowledge in some area of international study and to undertake some original, independent research.

The Faculty of Arts and Social Sciences has strong expertise in China studies. University rules allow for the submission of a thesis in a language other than English providing that specific conditions have been met.

Career options

The research degrees offered by UTS: International Studies are especially valuable for those wishing to pursue an academic career or a career in research.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Each applicant should, prior to application, discuss their proposed thesis topic with UTS: International Studies' research coordinator to determine whether supervision is possible.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Applications

Students are required to enrol in person and meet candidature assessment requirements. Students should also contact a potential supervisor and seek consent.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study. Students can complete the course in less than the maximum time.

This course is available in onshore and offshore mode. Students are, in general, not required to attend classes, however, regular contact is maintained with the candidate's supervisor(s) throughout enrolment.

Course structure

This degree is undertaken wholly by thesis. A Master of Arts thesis is normally a work of around 40,000 words and is examined by two appropriate examiners.

Theses can be supervised in the fields of cultural diversity, social change, contemporary culture, politics and modern history in China, Japan, Europe and the Americas.

Course completion requirements

979110 Thesis (International Studies)

Other information

Further information is available from the research degrees administrator:

email **ming.liang@uts.edu.au**

C03044v2 Master of Creative Arts (Research)

Award(s): Master of Creative Arts (Research) (MCA (Res))
CRICOS code: 066173M
Course EFTSL: 2
Location: City campus

Note(s)

The Master of Creative Arts (Research) is offered primarily on a full-fee-paying basis, however some scholarship places may be available. Contact UTS: Communication or the UTS: Graduate Research School for further details.

Overview

The Master of Creative Arts (Research) is generally intended for people with industry experience in the media and creative arts who want to undertake creative research involving the preparation and presentation of a major creative work and a thesis of about 10,000-15,000 words. Candidates may also participate in classroom or online seminars on thesis preparation in the first semester of enrolment.

The course provides an opportunity for those seeking to develop specific knowledge, research and creative skills relevant to the creative industries that are emerging locally and internationally.

Career options

Career options include positions in the creative industries.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Selection criteria for admission include professional and creative experience in a creative arts field, the quality of the research proposal, the quality of the applicant's portfolio of creative work, UTS: Communication's ability to offer appropriate supervision in the applicant's chosen field of study, and, where necessary, demonstration of generic technical skills.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

This research degree is undertaken through the production of a major creative work and a supporting 10,000-15,000-word thesis. Coursework subjects may be prescribed according to individual student requirements. Examples of the creative research component include an exhibition in a traditional gallery venue or relevant digital format, such as CD-ROM, a website, video, DVD or piece of journalism.

Course completion requirements

51985 Master of Creative Arts Thesis

Other information

Further information is available from the research degrees administrator on:

telephone + 61 2 9514 4512

email Juleigh.Slater@uts.edu.au

C03046v2 Master of Business (Research)

Award(s): Master of Business (MBus)
CRICOS code: 069858B
Course EFTSL: 2
Location: City and/or Kuring-gai campuses

Note(s)

This is an exit-only course. There is no direct admission to it. Current UTS students may be able to transfer into this course. Check with your faculty.

Overview

The Master of Business (Research) is for students who may be required to transfer from a Doctor of Philosophy. Students extend and deepen their knowledge through an appropriate research investigation under supervision by UTS: Business academic staff.

This program is suitable for students who may be required to transfer from a Doctor of Philosophy. Students develop critical and analytical skills and advanced research skills to enable in-depth exploration of their chosen area.

Career options

Career options include management-level positions in industry or government, and academic positions.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

The main requirement of the degree is the preparation of a thesis of 40,000-50,000 words, which presents the results of original research of a theoretical or applied nature.

Students may also be required to undertake some coursework in research methods and/or theoretical knowledge in the core fields of study. During their candidature, students' progress is monitored by assessments and regular progress reports. For further details, refer to UTS: Business's postgraduate course information (see page 53).

Course completion requirements

Select one of the following:

21990	Master of Business Thesis (Management)
22990	Master of Business Thesis (Accounting)
24990	Master of Business Thesis (Marketing)
25990	Master of Business Thesis (Finance)
23990	Master of Business Thesis (Economics)

Other information

Further information is available from the UTS: Graduate Research School at:

www.gradschool.uts.edu.au

C03047v1 Master of Education (Research)

Award(s): Master of Education (Research) (MEd(Res))
CRICOS code: 040690D
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship, faculty part-sponsored or full-fee-paying basis. Contact UTS: Education or the UTS: Graduate Research School for further details.

Overview

The Master of Education (Research) is intended for those who wish to pursue advanced research in one of the areas of faculty expertise.

Career options

Career options include management-level positions in industry or government, and academic positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Entry is by direct admission or through a research pathway from the Master of Education (by coursework) (C04232) (see page 400).

Direct admission requires evidence of potential to conduct research. Entry from the Master of Education (by coursework) is based on demonstrated research potential and academic prowess.

The research topic needs to be aligned with one of the faculty research areas, and a potential supervisor must be available.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study. Students can complete the course in less than the maximum time.

Course structure

The program comprises research coursework, participation in faculty research seminars and a thesis of 50,000 words.

The coursework component consists of the two 6-credit-point research subjects currently offered in the Master of Education.

The thesis work of candidates is generally closely related to the research interests of supervising members of staff in UTS: Education's areas of research strength.

Course completion requirements

016102	Thesis (Education)	
013952	Research Perspectives	6cp
013112	Research Design	6cp

Further study at UTS

This course can also serve as a pathway into higher research degrees (PhD, EdD) if the student's research project and progress are considered acceptable at the master's assessment.

Other information

Further information is available from the UTS Student Centre on:

telephone +61 2 9514 3900

email Margaret.McGrath@uts.edu.au

C03048v2 Master of Nursing (Research)

Award(s): Master of Nursing (Research) (MN(Res))
CRICOS code: 052679M
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact UTS: Health or the UTS Graduate Research School for further details.

Overview

This degree is designed for registered nurses wanting to develop research skills that have practical application for innovations in the health care industry and scholarly understanding of nursing practice. It enables informed participation in research endeavours and clinical practice innovation and improvement. In this degree, students extend and deepen their knowledge of a specialised area in nursing through a program of supervised research.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. Students are part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

This degree offers solid research training to registered nurses who are required to undertake research in their current employment or who aspire to such positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are required to have authorisation to practise as a registered nurse. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Subjects are run in intensive mode, with an additional online component. All research students are expected to attend the twice-yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

This course is a structured program of study incorporating research preparation subjects undertaken in the first year and the production of a research thesis for examination.

Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. Students work closely with a principal supervisor and a supervisory panel, and are required to report on their progress each semester.

Course completion requirements

92975	Master of Nursing (Honours) Thesis	
92972	Health Care Research Methodology	6cp
92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp

Course program

The program for the coursework component appears below.

Year 1

Autumn semester

92972	Health Care Research Methodology	6cp

Spring semester

92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C03049v2 Master of Midwifery (Research)

Award(s): Master of Midwifery (Research) (MMid(Res))
CRICOS code: 052680G
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact the UTS: Health or the UTS Graduate Research School for further details.

Overview

This degree is designed for registered midwives wanting to develop research skills that have practical application for innovations in the health care industry and scholarly understanding of midwifery practice. It enables informed participation in research endeavours and clinical practice innovation and improvement. Students extend and deepen their knowledge of a specialised area in midwifery through a program of supervised research.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. Students are a part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

This degree offers solid research training to registered midwives who are required to undertake research in their current employment or who aspire to such positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are required to have authorisation to practise as a registered midwife. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Subjects are run in intensive mode, with an additional online component. All research students are expected to attend the twice yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

This course is a structured program of study incorporating research preparation subjects undertaken in the first year and the production of a research thesis for examination.

Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. Students work closely with a principal supervisor and a supervisory panel, and are required to report on their progress each semester.

Course completion requirements

92972	Health Care Research Methodology	6cp
92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp
92976	Master of Midwifery (Honours) Thesis	

Course program

The program for the coursework component is provided below.

Year 1

Autumn semester

92972	Health Care Research Methodology	6cp

Spring semester

92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C03050v2 Master of Health Services (Research)

Award(s): Master of Health Services (Research) (MHS(Res))
CRICOS code: 055629G
Course EFTSL: 2
Location: City campus

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact UTS: Health or the UTS Graduate Research School for further details.

Overview

This degree is designed for health service professionals wanting to develop research skills that have practical application for innovations and policy in the health care sector, and scholarly understanding of health services provision. It enables informed participation in research endeavours and health services innovation and improvement. Students extend and deepen their knowledge of a specialised area in health services through a program of supervised research.

This course assists students to complete original research that contributes to knowledge in their field within an international context. Research at UTS takes place in a dynamic and outcomes-oriented environment. The University attracts students who want to develop their knowledge and expertise within a professional and stimulating framework. Students are part of a lively and vigorous research culture, working closely with academic staff and health industry partners.

Career options

This degree offers solid research training to health service professionals who are required to undertake research in their current employment or who aspire to such positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants are required to have qualifications and experience in the health services sector. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Subjects are run in intensive mode, with an additional online component. All research students are expected to attend the twice-yearly Research Student Symposia and are required to present a seminar during these weeks, twice a year for full-time students and once a year for part-time students.

Course structure

This course is a structured program of study incorporating research preparation subjects undertaken in the first year and the production of a research thesis for examination.

Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. Students work closely with a principal supervisor and a supervisory panel, and are required to report on their progress each semester.

Course completion requirements

92972	Health Care Research Methodology	6cp
92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp
92977	Master of Health Services (Honours) Thesis	

Course program

The program for the coursework component is provided below.

Year 1

Autumn semester

92972	Health Care Research Methodology	6cp

Spring semester

92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C03051v1 Master of Analytics (Research)

Award(s): Master of Analytics (Research) (MAnalytics(Res))
CRICOS code: 075277F
Course EFTSL: 2
Location: City campus

Overview

UTS is at the forefront of analytics education in Australia with its focus on practice-based, interdisciplinary analytics and decision-making research. Big data in the internet age is very complex and growing exponentially, posing greater challenges for organisations.

In this course, students can focus on real-world business problems in their own organisations and develop solutions as part of their research. This course enables graduates to extend and deepen their knowledge in a specialised area of analytics by undertaking research under the supervision of a member of academic staff.

The core program is supplemented by short courses, seminars and projects. These courses provide academic rigour while using cutting-edge technologies.

The course offers flexibility in the choice of research topics so that the research is closely aligned with the student's professional requirements. Students can undertake research in analytics to solve the problems that directly impact their organisations: research with a purpose.

Advanced analytics techniques and solutions are increasingly being used by industry to drive productivity, transform business and increase competitiveness. The demand for skilled analytics professsionals with the ability to work in both traditional and emerging industries continues to grow. With high-level analytics skills graduates are able to make a significant contribution to their organisation. Students also benefit from being able to work with world-leading researchers in this area.

Career options

There is a skills shortage of professionals with work-ready skills in analytics. The demand for skilled professionals in analytics crosses a range of industries from banking, e-commerce, education, finance, government, health, insurance, marketing, taxation, telecommunications and transport. In a knowledge economy there is significant demand for graduates in this area.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Previous qualifications must have a major in analytics, computing, applied statistics or applied mathematics. Before submitting a formal application for admission to this degree, applicants should first seek the approval of a potential supervisor for their proposed research work.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.0 overall with a writing score of 6.0; or TOEFL: paper based: 500-549 overall with TWE of 4.5, internet based: 60-78 overall with a writing score of 21; or AE5: Pass; or PTE: 50-57; or CAE: 52-57

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Course structure

Candidates are required to complete two subjects covering technology research preparation and technology research methods respectively (some candidates may be exempt from completing these subjects), and selected learning modules, seminars, projects and practice.

The degree is examined through presentation of a thesis.

All thesis students are required to submit, in consultation with their supervisor(s), a progress report at the end of each semester. The UTS: Graduate Research School contacts each student and their supervisor(s) to initiate this process.

Course completion requirements

31676	Thesis (Analytics)	
32144	Technology Research Preparation	6cp
32931	Technology Research Methods	6cp

Other information

Further information is available from the UTS: Graduate Research School at:

telephone +61 2 9514 1336

www.gradschool.uts.edu.au

or from UTS: Information Technology at:

Research Administration Officer

telephone +61 2 9514 4460

email Craig.Shuard@uts.edu.au

C03052v1 Master of Sport and Exercise (Research)

Award(s): Master of Sport and Exercise (Research) (MSportEx(Res))
CRICOS code: 032336M
Course EFTSL: 2

Note(s)

Research degrees are offered on a sponsored, scholarship or full-fee-paying basis. Contact the UTS: Health or the UTS Graduate Research School for further details.

Overview

The Master of Sport and Exercise (Research) program is for graduates who wish to enhance their knowledge of an area, address policy or management issues, or pursue a research/academic career.

This program is suitable for students who have completed a coursework degree and wish to develop in a more focused way by means of research. Students develop critical and analytical skills and advanced research skills to enable in-depth exploration of their chosen area.

Career options

Career options include management-level positions in industry or government, and academic positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

The bachelor's degree must be in a related field of study.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 6.5 overall with a writing score of 6.0; or TOEFL: paper based: 550-583 overall with TWE of 4.5, internet based: 79-93 overall with a writing score of 21; or AE5: Pass; or PTE: 58-64; or CAE: 58-66

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

Course duration and attendance

The maximum course duration is two years of full-time, or four years of part-time study.

Course structure

The main requirement of the degree is the preparation of a thesis of 40,000-50,000 words, which presents the results of original research of a theoretical or applied nature.

Students are also required to complete the two-subject sequence relevant to their thesis topic. The first is an advanced research methods subject that also covers statistical analysis. The second involves reading and formal seminar presentations on current topics in the chosen area of study. In addition to these subjects, candidates may be required to enrol in subjects specified by their supervisors. During their candidature, students' progress is monitored by a master's assessment and regular progress reports.

Course completion requirements

92052	Master of Sport and Exercise Thesis	
92054	Research and Statistics for Sport and Exercise	6cp

Other information

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

and from the UTS Graduate Research School:

www.gradschool.uts.edu.au

C03053v1 Master of Pharmacy (Research)

Award(s): Master of Pharmacy (Research) (MPharm(Res))
CRICOS code: 076138J
Course EFTSL: 2
Location: City campus

Note(s)

If you are considering this degree, submit an expression of interest in the first instance. The school provides you with further information and assists you with the application process.

Overview

This course is intended for registered pharmacists, or students who have completed a registrable pharmacy degree, who wish to pursue a career in pharmacy research or gain a competitive advantage in their career by completing an additional postgraduate qualification. Students gain research skills and expertise in their area of research interest, and demonstrate their outstanding academic ability and commitment to pharmacy through the completion of the degree.

The Master of Pharmacy (Research) gives students the opportunity to work with leading national and international researchers in their area of interest to develop and complete an original research project, which contributes to knowledge. Students gain research training and skills, as well as developing extensive knowledge and expertise in an area of research. Students are supported by a strong and vibrant research culture, both within the School and the University and have access to other researchers, a wide variety of workshops, the University library and research facilities.

Career options

The Master of Pharmacy (Research) is excellent preparation for those students who wish to pursue doctoral research study, a career in research or higher level pharmacy positions. Career options include academic appointments, expanded practice roles, advisory positions and industry roles.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants need to have completed a prior degree that would make them eligible for registration as a pharmacist.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

All applicants are required to contact UTS: Pharmacy prior to applying to establish eligibility and supervisory arrangements.

Course duration and attendance

The maximum course duration is two years of full-time or four years of part-time study.

Students are also required to attend on-campus meetings with supervisors, research training sessions and other forums as required.

Course structure

This course consists of one thesis subject which is undertaken for the duration of the degree.

Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. Students work closely with a principal supervisor and a supervisory panel, and are required to report on their progress each semester.

Course completion requirements

95590	Master of Pharmacy Thesis

Other information

For further information, contact UTS: Pharmacy:

email pharmacyresearch@uts.edu.au

www.pharmacy.uts.edu.au

www.gradschool.uts.edu.au

C03054v1 Master of Pharmaceutical Sciences (Research)

Award(s): Master of Pharmaceutical Sciences (Research) (MPharmSc(Res))
CRICOS code: 076139G
Course EFTSL: 2

Note(s)

If you are considering this degree, submit an expression of interest in the first instance. The school provides you with further information and assists you with the application process.

Overview

The Master of Pharmaceutical Sciences (Research) is intended for students who have completed a relevant degree in science, who wish to pursue a career in pharmaceutical sciences research or gain a competitive advantage in their career by completing an additional postgraduate qualification. Students in this course gain research skills, technical skills and expertise in their area of research interest and demonstrate their outstanding academic ability and commitment to pharmaceutical science through the completion of the degree.

The course gives students the opportunity to work with leading national and international researchers in their area of interest to develop and complete an original research project, which contributes to knowledge. Students gain research training and skills, as well as developing extensive knowledge and expertise in an area of research. Students are supported by a strong and vibrant research culture, both within the School and the University and have access to other researchers, a wide variety of workshops, the University library and research facilities.

Career options

The Master of Pharmaceutical Sciences (Research) is excellent preparation for those students who wish to pursue doctoral research study, a career in research or higher level pharmaceutical science positions. Career options include academic appointments, industry roles and advisory positions.

Admission requirements

Applicants must have completed a UTS recognised bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies.

Applicants need to have completed a relevant bachelor's degree in science.

The English proficiency requirement for international students or local applicants with international qualifications is: Academic IELTS: 7.0 overall with a writing score of 7.0; or TOEFL: paper based: 584-609 overall with TWE of 5.0, internet based: 94-101 overall with a writing score of 23; or PTE: 65-72; or CAE: 67-73

Eligibility for admission does not guarantee offer of a place.

International students

Visa requirement: To obtain a student visa to study in Australia, international students must enrol full time and on campus. Australian student visa regulations also require international students studying on student visas to complete the course within the standard full-time duration. Students can extend their courses only in exceptional circumstances.

All applicants are required to contact UTS: Pharmacy prior to applying to establish eligibility and supervisory arrangements.

Course duration and attendance

The maximum course duration is two years full time or four years part time.

Students are also required to attend on-campus meetings with supervisors, research training sessions and other forums as required.

Course structure

This course consists of one thesis subject which is undertaken for the duration of the degree.

Students are required to undertake a candidature assessment at the end of the first two semesters for full-time students, and at the end of the first three semesters for part-time students. Students work closely with a principal supervisor and a supervisory panel, and are required to report on their progress each semester.

Course completion requirements

95591 Master of Pharmaceutical Sciences Thesis

Other information

For further information, contact UTS: Pharmacy:

email pharmacyresearch@uts.edu.au

www.pharmacy.uts.edu.au

www.gradschool.uts.edu.au

STUDY PACKAGE DIRECTORY

CHOICE BLOCKS

CBK90005 Country major choice

Select 96 credit points from the following options: 96cp

MAJ08918	Chile	96cp
MAJ08919	China	96cp
MAJ08920	France	96cp
MAJ08921	Germany	96cp
MAJ08923	Italy	96cp
MAJ08924	Japan	96cp
MAJ08926	Mexico	96cp
MAJ08927	Spain	96cp
MAJ08932	Switzerland	96cp
MAJ08933	Canada	96cp
MAJ09380	Latino USA	96cp
MAJ08954	Argentina	96cp
MAJ09409	Colombia	96cp
		Total 96cp

CBK90009 Business IT sub-major choice

Select 12 credit points from the following options: 12cp

32509	Interaction Design	6cp
32531	Global Information Systems	6cp
32536	Advanced Software Modelling	6cp
32702	Contemporary Telecommunications	6cp
		Total 12cp

CBK90010 No specified major

Select one of the following: 6cp

48023	Programming Fundamentals	6cp
48221	Engineering Computations	6cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp

Select 96 credit points from the following options: 96cp

48023	Programming Fundamentals	6cp
48024	Applications Programming	6cp
48080	Introduction to Innovation	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48342	Structural Behaviour and Design	6cp
48349	Structural Analysis	6cp
48350	Environmental and Sanitation Engineering	6cp
48352	Construction Materials	6cp
48353	Concrete Design	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
48364	Materials Testing	6cp
48365	Materials Performance	6cp
48366	Steel and Timber Design	6cp
48370	Road and Transport Engineering	6cp
48371	Advanced Engineering Computing	6cp
48372	Water Quantity and Quality Processes	6cp
48389	Computer Modelling and Design	6cp
48430	Embedded C	6cp
48433	Software Architecture	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp
48441	Introductory Digital Systems	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48521	Fundamentals of Electrical Engineering	6cp
48530	Circuit Analysis	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
48541	Signal Theory	6cp
48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
48560	Introductory Control	6cp
48561	Power Electronics and Drives	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48582	Power Systems Analysis and Design	6cp
48583	Power Systems Operation and Protection	6cp
48600	Mechanical Design 1	6cp
48601	Mechanical Vibration and Measurement	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48622	Mechatronics 1	6cp
48623	Mechatronics 2	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48661	Heat Transfer	6cp
48663	Advanced Manufacturing	6cp
48662	Mechanical Applications	6cp
48670	Mechanical and Mechatronic Design	6cp
48720	Network Fundamentals	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48821	Ecological Engineering	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48860	Pollution Control and Waste Management	6cp
48881	Water and Environmental Design	6cp
60101	Chemistry and Materials Science	6cp
68038	Advanced Mathematics and Physics	6cp
48410	Introduction to ICT Engineering	6cp
48471	ICT Analysis	6cp
48481	ICT Design	6cp
48221	Engineering Computations	6cp
48321	Engineering Mechanics	6cp
48320	Surveying	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
41900	Fundamentals of Security	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
		Total 120cp

CBK90011 Electives

Select 24 credit points from the following options: 24cp

48023	Programming Fundamentals	6cp
48024	Applications Programming	6cp
48080	Introduction to Innovation	6cp
48221	Engineering Computations	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48349	Structural Analysis	6cp
48350	Environmental and Sanitation Engineering	6cp
48352	Construction Materials	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
48370	Road and Transport Engineering	6cp
48389	Computer Modelling and Design	6cp
48430	Embedded C	6cp
48433	Software Architecture	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp
48441	Introductory Digital Systems	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48530	Circuit Analysis	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
48541	Signal Theory	6cp

48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
48560	Introductory Control	6cp
48561	Power Electronics and Drives	6cp
48570	Data Acquisition and Distribution	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48622	Mechatronics 1	6cp
48623	Mechatronics 2	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48661	Heat Transfer	6cp
48662	Mechanical Applications	6cp
48663	Advanced Manufacturing	6cp
48670	Mechanical and Mechatronic Design	6cp
48720	Network Fundamentals	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48860	Pollution Control and Waste Management	6cp
48353	Concrete Design	6cp
48366	Steel and Timber Design	6cp
48371	Advanced Engineering Computing	6cp
48372	Water Quantity and Quality Processes	6cp
48821	Ecological Engineering	6cp
48881	Water and Environmental Design	6cp
65111	Chemistry 1	6cp
48521	Fundamentals of Electrical Engineering	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48582	Power Systems Analysis and Design	6cp
48583	Power Systems Operation and Protection	6cp
48600	Mechanical Design 1	6cp
48601	Mechanical Vibration and Measurement	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49047	Finite Element Analysis	6cp
49049	Air and Noise Pollution	6cp
49102	Traffic and Transportation	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49115	Facade Engineering	6cp
49117	Floodplain Risk Management in NSW	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49225	Software Project Management	6cp
49247	Object-oriented Technology	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49307	Internal Combustion Engines	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49928	Design Optimisation for Manufacturing	6cp
49118	Applied Geotechnics	6cp
48033	Wireless Sensor Networks: Technology and Applications	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49205	Transmission Systems	6cp
49223	Satellite Communication Systems	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49258	Pavement Analysis and Design	6cp
49312	Advanced Flow Modelling	6cp
49116	Contaminated Site and Waste Remediation	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
41101	Fundamentals of Biomedical Engineering	6cp
41105	Biomedical Signal and Image Processing	6cp
42001	Bioinformatics	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
49215	Telecommunications Industry Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
48721	Strategic e-Business Technologies	6cp
42890	4G Mobile Technologies	6cp
41900	Fundamentals of Security	6cp
42991	Advanced Water and Wastewater Treatment	6cp
41002	Professional Engineering Practice Preparation	6cp
		Total 24cp

CBK90014 200-level disciplinary choice: Cultural Studies

Select 8 credit points from the following options: 8cp

58225	Introduction to Film Studies	8cp
58320	Australian Fiction	8cp
58120	Creativity and Culture	8cp
		Total 8cp

CBK90015 300-level disciplinary choice: Cultural Studies

Select 8 credit points from the following options: 8cp

58323	Contemporary World Cinema	8cp
58217	Experiments in Culture	8cp
58321	Australian Film	8cp
58322	Screening the Past	8cp
		Total 8cp

CBK90016 200-level disciplinary choice: Social, Political, Historical Studies

Select 8 credit points from the following options: 8cp

58218	Ideology, Beliefs and Visions	8cp
58224	Australian Pasts and Places	8cp
58223	Social Bodies	8cp
58228	Climate Change: Politics and Ecology	8cp
		Total 8cp

CBK90017 300-level disciplinary choice: Social, Political, Historical Studies

Select 8 credit points from the following options: 8cp

58316	Sex, Race and Empire	8cp
58222	Global Politics from Above and Below	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58329	Culture, Science and Nature	8cp
		Total 8cp

CBK90018 200/300-level disciplinary choice

Free choice of electives.

CBK90019 200/300-level disciplinary choice

Select 8 credit points from the following options: 8cp

58324	Investigating Media, Reflective Practices	8cp
58221	Social Informatics	8cp
58226	Media, Mediation, Power	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58218	Ideology, Beliefs and Visions	8cp
58224	Australian Pasts and Places	8cp
58223	Social Bodies	8cp
58316	Sex, Race and Empire	8cp
58222	Global Politics from Above and Below	8cp
58318	Gender, Culture, Power	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58328	The New Economy of Post-Nature	8cp
58320	Australian Fiction	8cp
58120	Creativity and Culture	8cp
58228	Climate Change: Politics and Ecology	8cp
58127	Information Cultures	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
58325	Audiences, Users, Publics, Communities	8cp
58317	Transnational Media	8cp
58322	Screening the Past	8cp
58321	Australian Film	8cp
58217	Experiments in Culture	8cp
58329	Culture, Science and Nature	8cp
58319	Rights and Territories	8cp
58327	Indigenous Futures	8cp
50251	Genocide Studies	8cp
58231	Organisational Communication	8cp

Total 8cp

CBK90022 200-level professional choice: Journalism

Select 16 credit points from the following options: 16cp

58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58210	Storytelling, Narrative and Features	8cp

Total 16cp

CBK90023 300-level professional choice: Journalism

Select 16 credit points from the following options: 16cp

58211	Specialist Reporting, Audiences and Interactivity	8cp
58310	Media Hub	8cp
50001	Online Documentary	8cp

Total 16cp

CBK90024 200-level professional choice: Media Arts and Production

Select 16 credit points from the following options: 16cp

58114	Fictions: Storytelling, Narrative and Drama	8cp
58213	Research and Practice	8cp
58115	Composing the Real	8cp

Total 16cp

CBK90025 300-level professional choice: Media Arts and Production

Select 16 credit points from the following options: 16cp

58212	Aesthetics	8cp
58311	Media Arts Project	8cp
50001	Online Documentary	8cp

Total 16cp

CBK90030 200-level professional choice: Social Inquiry

Select 8 credit points from the following options: 8cp

58124	Local Transformations	8cp
58123	Society, Economy and Globalisation	8cp

Total 8cp

CBK90032 300-level professional choice: Social Inquiry Block A

Select 8 credit points from the following options: 8cp

58219	Policy and Advocacy	8cp
50001	Online Documentary	8cp

Total 8cp

CBK90033 300-level professional choice: Social Inquiry Block B

Select 8 credit points from the following options: 8cp

50260	Parliamentary Placement	8cp
58314	Social Inquiry Placement	8cp

Total 8cp

CBK90034 200-level professional choice: Writing

Select 16 credit points from the following options: 16cp

58216	Imagining the Real	8cp
58121	Fictional Forms	8cp
58901	Screenwriting	8cp

Total 16cp

CBK90035 300-level professional choice: Writing

Select 16 credit points from the following options: 16cp

58313	Writing Laboratory	8cp
58900	Poetry	8cp
58902	Writing Through Genre	8cp

Total 16cp

CBK90036 No specified major

Select one of the following: 6cp

48023	Programming Fundamentals	6cp
48221	Engineering Computations	6cp

48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp

Select 90 credit points from the following options: 90cp

48023	Programming Fundamentals	6cp
48024	Applications Programming	6cp
48080	Introduction to Innovation	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48342	Structural Behaviour and Design	6cp
48349	Structural Analysis	6cp
48350	Environmental and Sanitation Engineering	6cp
48352	Construction Materials	6cp
48353	Concrete Design	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
48364	Materials Testing	6cp
48365	Materials Performance	6cp
48366	Steel and Timber Design	6cp
48370	Road and Transport Engineering	6cp
48371	Advanced Engineering Computing	6cp
48372	Water Quantity and Quality Processes	6cp
48389	Computer Modelling and Design	6cp
48430	Embedded C	6cp
48433	Software Architecture	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp
48441	Introductory Digital Systems	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48521	Fundamentals of Electrical Engineering	6cp
48530	Circuit Analysis	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
48541	Signal Theory	6cp
48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
48560	Introductory Control	6cp
48561	Power Electronics and Drives	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp

48572	Power Circuit Theory	6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48582	Power Systems Analysis and Design	6cp
48583	Power Systems Operation and Protection	6cp
48600	Mechanical Design 1	6cp
48601	Mechanical Vibration and Measurement	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48622	Mechatronics 1	6cp
48623	Mechatronics 2	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48661	Heat Transfer	6cp
48663	Advanced Manufacturing	6cp
48662	Mechanical Applications	6cp
48670	Mechanical and Mechatronic Design	6cp
48720	Network Fundamentals	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48821	Ecological Engineering	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48860	Pollution Control and Waste Management	6cp
48881	Water and Environmental Design	6cp
60101	Chemistry and Materials Science	6cp
68038	Advanced Mathematics and Physics	6cp
48410	Introduction to ICT Engineering	6cp
48471	ICT Analysis	6cp
48481	ICT Design	6cp
41900	Fundamentals of Security	6cp
		Total 114cp

CBK90037 Options

Select 18 credit points from the following options: 18cp

013098	Independent Study Project 1	6cp
013105	Language Development	6cp
013132	Technology Enhanced Language Learning	6cp
013159	Independent Study Project 2	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013141	Language Programming and Assessment	6cp
013104	Language and Power	6cp
013117	Theory and Practice of Literacy	6cp
013951	Learning and Change	6cp
010039	Teaching English for Academic Purposes	6cp
57999	Digital and Multiplatform Storytelling	6cp
013983	Academic Literacies in TESOL and Applied Linguistics	6cp
		Total 18cp

CBK90038 No specified major

This study package allows candidates to tailor their own program of study in various ways such as:

- combining technical subjects from two or more major areas
- completing more or fewer than the required number of management subjects for individual major areas
- combining any postgraduate engineering subjects in a coherent and logical form based around some type of theme.

A program of subjects is normally identified prior to enrolment, in consultation with one or more academic members of staff, and approved by the Director of PG coursework programs.

Completion requirements

Select 48 credit points from the following options: 48cp

32005	Strategic Leadership for Innovation	6cp
32009	Advanced Routing Principles	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32118	Mobile Communications and Computing	6cp
32144	Technology Research Preparation	6cp
32310	Network Security Appliances	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32541	Project Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32552	IP Telephony and Voice over IP	6cp
32553	Leadership and People Management	6cp
32555	Fundamentals of Software Development	6cp
32557	Enabling Enterprise Information Systems	6cp
32562	Strategic Business Management	6cp
32563	IT Professional and Society	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32603	Systems Quality Management	6cp
32606	Database	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42904	Cloud Computing and Software as a Service	6cp
42905	Marketing Technology	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp

49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49306	Quality and Operations Management Systems	6cp
49307	Internal Combustion Engines	6cp
49309	Quality Planning and Analysis	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49706	Regulatory Economics	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 48cp

CBK90039 Media Arts choice

Select 16 credit points from the following options: 16cp

57168	Sound and Interaction	8cp
57179	Project Development and Creative Practice	8cp
57989	Mise-en-Scene	8cp
57175	Creative Producing	8cp
57061	Issues in Documentary	8cp
57166	Documentary Production	8cp
57178	Digital and Multiplatform Storytelling	8cp
57173	Advanced Post Production	8cp
57176	Directing	8cp
		Total 16cp

CBK90040 Media Production choice

Select 16 credit points from the following options: 16cp

57173	Advanced Post Production	8cp
57175	Creative Producing	8cp
57176	Directing	8cp
57168	Sound and Interaction	8cp
57166	Documentary Production	8cp
57178	Digital and Multiplatform Storytelling	8cp
57179	Project Development and Creative Practice	8cp
		Total 16cp

CBK90042 Options

Select 24 credit points from the following options: 24cp

76521	Intellectual Property and Traditional Knowledge	6cp
77794	International Environmental Law	6cp
78008	Law of the Sea	6cp
76003	Asian Law and Legal Systems	6cp
76005	Islamic Law	6cp
76007	International Human Rights Law	6cp
76008	Jurisprudence	6cp
76012	Criminology	6cp
76015	Labour Law	6cp
76016	Advanced Revenue Law	6cp
76023	Deceptive Trade Practices and Product Liability	6cp
76024	Environmental Law	6cp
76027	Competition Law	6cp
76039	Jessup International Moot	6cp
76040	Research Thesis	6cp
76045	Medicine and Law	6cp
76047	Advanced Contracts	6cp
76048	Citizenship and Immigration Law	6cp
76052	Dispute Resolution Advocacy	6cp
76053	Industrial Law	6cp
76063	Media Law	6cp
76066	Children and the Law	6cp
76068	Indigenous Peoples and the Law	6cp
76069	Community Justice Studies	6cp
76070	Biomedical Law and Bioethics	6cp
76074	Australian Civil Liberties Law	6cp
76075	Contemporary Legal Studies 1	6cp
76076	Contemporary Legal Studies 2	6cp
76080	Finance Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
76516	Family Law	6cp
76517	Succession	6cp
76703	Indigenous Peoples, the Environment and Property	6cp
76801	Exchange Subject 1	6cp
76802	Exchange Subject 2	6cp
76803	Exchange Subject 3	6cp
76804	Exchange Subject 4	6cp
76900	Moot	6cp
76901	Vis Arbitral Moot	6cp
76002	Sports Law	6cp
78021	Contemporary Issues in Constitutional Law	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77901	Securities Markets Law	6cp
78025	Intellectual Property: Law and Policy	6cp
76081	Gender, Law and Sexuality	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
STM90708	Practical Legal Training	12cp
78039	Wickedness and Vice	6cp
76013	World Trade Law	6cp
76037	Advanced Criminal Law	6cp
76009	Introduction to Chinese Business Law	6cp
76019	Broadcasting and Telecommunications Regulation	6cp
76001	Comparative Law	6cp
76112	Conflict of Laws	6cp
76020	Entertainment Law	6cp
76021	Advanced Remedies	6cp
78013	Refugee Law and Practice	6cp
76010	Disability and the Law	6cp
76022	Insurance Law	6cp
76025	International Organisations	6cp
78030	Criminal Sentencing Law	6cp
76904	Price International Media Law Moot	6cp
76033	Animal Law and Policy in Australia	6cp
70108	Public International Law	6cp
		Total 24cp

CBK90044 Education subjects (PG)

Select 42 credit points from the following options: 42cp

013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013952	Research Perspectives	6cp
013951	Learning and Change	6cp
		Total 42cp

CBK90045 Education subjects (PG)

Select 12 credit points from the following options: 12cp

013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013159	Independent Study Project 2	6cp
013952	Research Perspectives	6cp
013951	Learning and Change	6cp
		Total 12cp

CBK90047 Elective (e-Business)

Free choice of electives.

CBK90049 Education subjects (PG)

Select 24 credit points from the following options: 24cp

013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013139	Assessing Learning	6cp
013951	Learning and Change	6cp
013952	Research Perspectives	6cp
		Total 24cp

CBK90050 Education subjects (PG)

Select 48 credit points from the following options: 48cp

013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013129	Effective Cognitive Learning Strategies	6cp
013128	Learning and Change in Organisations	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp

013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013952	Research Perspectives	6cp
013951	Learning and Change	6cp
		Total 48cp

CBK90052 Subject choice (SpecEd)

Select 6 credit points from the following options: 6cp

021702	ICT in Primary Education: Current Issues and Applications	6cp
022601	Learning Beyond the Classroom	6cp
022602	Independent Study	6cp
022603	Teaching Across the Curriculum	6cp
023505	Educational Research	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026702	Music and Society	6cp
020705	Educational Drama	6cp
020705	Educational Drama	6cp
022203	HSIE Study 2: Conflicts and Resolutions	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
024413	English Study 3: The Literature of Protest	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
		Total 6cp

CBK90053 No specified major

48006	Capstone Project	6cp

Select one of the following: 6cp

48023	Programming Fundamentals	6cp
48221	Engineering Computations	6cp

Select 90 credit points from the following options: 90cp

48023	Programming Fundamentals	6cp
48024	Applications Programming	6cp
48080	Introduction to Innovation	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48342	Structural Behaviour and Design	6cp
48349	Structural Analysis	6cp
48350	Environmental and Sanitation Engineering	6cp
48352	Construction Materials	6cp
48353	Concrete Design	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
48364	Materials Testing	6cp
48365	Materials Performance	6cp
48366	Steel and Timber Design	6cp
48370	Road and Transport Engineering	6cp
48371	Advanced Engineering Computing	6cp
48372	Water Quantity and Quality Processes	6cp
48389	Computer Modelling and Design	6cp
48430	Embedded C	6cp
48433	Software Architecture	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp
48441	Introductory Digital Systems	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48521	Fundamentals of Electrical Engineering	6cp
48530	Circuit Analysis	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
48541	Signal Theory	6cp
48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
48560	Introductory Control	6cp
48561	Power Electronics and Drives	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48572	Power Circuit Theory	6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48582	Power Systems Analysis and Design	6cp
48583	Power Systems Operation and Protection	6cp
48600	Mechanical Design 1	6cp
48601	Mechanical Vibration and Measurement	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48622	Mechatronics 1	6cp
48623	Mechatronics 2	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48661	Heat Transfer	6cp
48663	Advanced Manufacturing	6cp
48662	Mechanical Applications	6cp
48670	Mechanical and Mechatronic Design	6cp
48720	Network Fundamentals	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48821	Ecological Engineering	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48860	Pollution Control and Waste Management	6cp
48881	Water and Environmental Design	6cp
60101	Chemistry and Materials Science	6cp
68038	Advanced Mathematics and Physics	6cp
48410	Introduction to ICT Engineering	6cp
48471	ICT Analysis	6cp
48481	ICT Design	6cp
41900	Fundamentals of Security	6cp
		Total 102cp

CBK90054 No specified major

Select 30 credit points from the following options: 30cp

77746	Advanced Mediation	6cp
77945	Current Issues in Taxation	6cp
77715	Banking Law	6cp
77752	Commercial Arbitration (Domestic)	6cp
77903	Copyright Law	6cp
77792	Crisis Negotiation	6cp
77893	Designs Law and Practice	6cp
79771	Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77704	European Union Law	6cp
77760	Family Dispute Resolution	6cp
77900	Goods and Services Tax	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77701	International Economic Law (PG)	6cp
77794	International Environmental Law	6cp
77953	International Taxation Law	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
77745	Negotiation	6cp

77898	Patent Law	6cp
77850	Psychology and Dispute Resolution	6cp
77740	Research Paper	6cp
77767	Taxation Administration	6cp
77796	Taxation of Business Entities	6cp
77924	Superannuation and Retirement Planning	6cp
77867	Workplace Dispute Resolution	6cp
77734	Law and Medicine	6cp
77783	International Commercial Dispute Resolution	6cp
77901	Securities Markets Law	6cp
77930	Insurance Law	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
STM90111	Research project (Law PG)	12cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78101	Postgraduate Legal Research	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78210	Law and Literature	6cp
78212	Communications and Technology: A Primer	6cp
		Total 30cp

CBK90056 Nursing subjects (PG)

Select 6 credit points from the following options: 6cp

92713	Health Breakdown	6cp
92847	Planning and Evaluating Health Services	6cp
92848	Facilitation of Clinical Learning	6cp
92878	Care of the Child in Illness and Disability	6cp
92881	Foundations of Perioperative Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
92887	Organisational Management in Health Care	6cp
92902	Care of the Acutely Ill Child	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
92917	Using Health Care Data for Decision Making	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
92932	Management for Clinicians	6cp
92721	Health Promotion and Health Education	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92606	Issues in Australian Health Services	6cp
92607	Education for Practice Development	6cp
92983	Specialty Practice	6cp
92050	Policy, Power and Politics in Health Care	6cp
92295	Advanced Health Services Planning	6cp
92021	Perinatal Mental Health	6cp
92612	Research in Health	6cp
98728	Leadership, Accountability and Role Development in Advanced Practice	6cp
92613	Principles of Child and Family Health Nursing	6cp
92934	Clinical Management of Diabetes	6cp
015356	Learning in Diabetes Education	6cp
92845	Primary Health Care	6cp
92620	Family and Community Health Practice	6cp
		Total 6cp

CBK90074 Electives

CBK90162 Electives (Non-IT) 12cp

Select 12 credit points from the following options: 12cp

31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31735	Information Systems and Organisation Development	6cp
31950	Networked Enterprise Design	6cp
31030	Project	6cp
31338	Network Servers	6cp
31096	Managing Client/Vendor Relations	6cp
31005	Advanced Data Analytics	6cp
31091	Mobile Computing Project	6cp
31100	Enterprise Development with .NET	6cp
41889	Application Development in the iOS Environment	6cp
		Total 24cp

CBK90075 Electives (Business)

Select 6 credit points from the following options: 6cp

21129	Managing People and Organisations	6cp
21407	Strategic Human Resource Management	6cp
21591	Transnational Management	6cp
22207	Accounting for Business Decisions B	6cp
22240	International Accounting	6cp
22320	Accounting for Business Combinations	6cp
22321	Cost Management Systems	6cp
22420	Accounting Standards and Regulations	6cp
22566	Small Business Management and Accounting	6cp
22567	Planning and Control for Small Business Enterprises	6cp
22610	Accounting for Insolvency	6cp
24108	Marketing Foundations	6cp
24202	Consumer Behaviour	6cp
24205	Business-to-Business Marketing	6cp
24210	Integrated Marketing Communications	6cp
24220	International Marketing	6cp
		Total 6cp

CBK90076 Electives (Business, IT, Law)

Select 24 credit points from the following options: 24cp

31030	Project	6cp
31080	Digital Multimedia	6cp
31096	Managing Client/Vendor Relations	6cp
31097	IT Operations Management	6cp
31100	Enterprise Development with .NET	6cp
31335	Extreme Programming	6cp
31338	Network Servers	6cp

31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31950	Networked Enterprise Design	6cp
31005	Advanced Data Analytics	6cp
31091	Mobile Computing Project	6cp
		Total 24cp

CBK90078 Electives

Select 18 credit points from the following options: 18cp

31030	Project	6cp
31080	Digital Multimedia	6cp
31096	Managing Client/Vendor Relations	6cp
31097	IT Operations Management	6cp
31100	Enterprise Development with .NET	6cp
31335	Extreme Programming	6cp
31338	Network Servers	6cp
31735	Information Systems and Organisation Development	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31950	Networked Enterprise Design	6cp
31091	Mobile Computing Project	6cp
31005	Advanced Data Analytics	6cp
		Total 18cp

CBK90079 Electives

Select 36 credit points from the following options: 36cp

32535	Database in Distributed Environments	6cp
32531	Global Information Systems	6cp
32208	Information Systems Strategy	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32536	Advanced Software Modelling	6cp
32106	Agile Method Engineering	6cp
32541	Project Management	6cp
32902	Recent Advances in Information Systems	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32501	Computer Graphics	6cp
32509	Interaction Design	6cp
32549	Advanced Internet Programming	6cp
32527	Internetwork Design	6cp
32516	Internet Programming	6cp
32525	Web Services Technologies and Applications	6cp
32547	UNIX Systems Programming	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32702	Contemporary Telecommunications	6cp
32120	Introduction to e-Business Technology	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32004	Game Programming	6cp
32003	Computer Game Design	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32550	Advances in Requirements Engineering	6cp
32118	Mobile Communications and Computing	6cp
32520	UNIX Systems Administration	6cp
32548	Network Security	6cp
32148	Enterprise Computing	6cp
32998	.NET Application Development	6cp
32013	.NET Enterprise Development	6cp
32209	Advanced Topics in Computer Networks	6cp
42900	Sustainability and Information Systems	6cp
		Total 36cp

CBK90080 Electives

Select 12 credit points from the following options: 12cp

31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31735	Information Systems and Organisation Development	6cp
31748	Programming on the Internet	6cp
31777	Human-Computer Interaction	6cp
31950	Networked Enterprise Design	6cp
31096	Managing Client/Vendor Relations	6cp
31338	Network Servers	6cp
31927	Application Development with .NET	6cp
31091	Mobile Computing Project	6cp
31100	Enterprise Development with .NET	6cp
31005	Advanced Data Analytics	6cp
		Total 12cp

CBK90082 Electives

Select 60 credit points from the following options: 60cp

32535	Database in Distributed Environments	6cp
32531	Global Information Systems	6cp
32208	Information Systems Strategy	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32536	Advanced Software Modelling	6cp
32106	Agile Method Engineering	6cp
32933	Research Project	6cp
32934	Research Project	12cp
32541	Project Management	6cp
32902	Recent Advances in Information Systems	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32501	Computer Graphics	6cp
32509	Interaction Design	6cp
32549	Advanced Internet Programming	6cp
32527	Internetwork Design	6cp
32516	Internet Programming	6cp
32525	Web Services Technologies and Applications	6cp
32547	UNIX Systems Programming	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32702	Contemporary Telecommunications	6cp
32120	Introduction to e-Business Technology	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32004	Game Programming	6cp
32003	Computer Game Design	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32550	Advances in Requirements Engineering	6cp
32130	Fundamentals of Data Analytics	6cp
32148	Enterprise Computing	6cp
32209	Advanced Topics in Computer Networks	6cp
		Total 60cp

CBK90083 Electives

Free choice of electives.

CBK90085 Core subjects

Select 12 credit points from the following options: 12cp

95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
		Total 12cp

CBK90086 Sub-major options

Select 24 credit points from the following options: 24cp

SMJ10035	Image Studies	24cp
SMJ10036	Innovation Technologies	24cp
CBK90137	Options (PSM) (A)	24cp
		Total 24cp

CBK90108 Leisure, Sport and Tourism subjects (PG)

Select 6 credit points from the following options: 6cp

27715	Sport Business	6cp
27717	Venue and Facility Management	6cp
27721	Sport Globalisation	6cp
27764	Analysis of the Olympic Games	6cp
27765	Event Management	6cp
27700	Sustainable Tourism Management	6cp
27706	Managing Tourism Services	6cp
27767	Tourist Behaviour	6cp
27935	Applied Studies	6cp
		Total 6cp

CBK90116 Core subjects

Select 18 credit points from the following options: 18cp

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp

Select one of the following: 6cp

49098	Engineering Financial Control	6cp
22747	Accounting for Managerial Decisions	6cp

Select one of the following: 6cp

49069	Leadership and Responsibility	6cp
21844	Managing Work and People	6cp

Total 18cp

CBK90121 Primary Education

Select 144 credit points from the following options: 144cp

021412	Educational Computing Study 2	6cp
021702	ICT in Primary Education: Current Issues and Applications	6cp
022203	HSIE Study 2: Conflicts and Resolutions	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
022601	Learning Beyond the Classroom	6cp
022602	Independent Study	6cp
022603	Teaching Across the Curriculum	6cp
023505	Educational Research	6cp
023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
023881	Special Education Professional Experience 1: Assesment, Programming and Evaluation	6cp
023882	Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models	6cp
024411	English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026412	Music Study 2	6cp
026702	Music and Society	6cp
027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
028414	Science and Technology Study 4: Planet Earth	6cp
012208	English Education 1	6cp
012209	English Education 2	6cp
012210	Mathematics Teaching and Learning 1	6cp
012211	Mathematics Teaching and Learning 2	6cp
012212	Mathematics Teaching and Learning 3	6cp
012220	Visual Arts Education	6cp
012219	Music, Movement and Dance	6cp
012217	Personal Development, Health and Physical Education 1	6cp
012218	Personal Development, Health and Physical Education 2	6cp
012215	Social and Environmental Education 1	6cp
012216	Social and Environmental Education 2	6cp
012213	Learning in Science and Technology 1	6cp
012214	Learning in Science and Technology 2	6cp
012231	Professional Experience 1: Beginning Teaching	6cp
012232	Professional Experience 2: Developing Classroom Management	6cp
012235	Professional Experience 5: Teaching Students with Special Educational Needs	6cp
012234	Professional Experience 4: Integrating Diverse Contexts in Education	6cp
012236	Professional Experience 6: Programming and Assessing in Education	6cp
012233	Professional Experience 3: Integrating Learning Technologies	6cp
012237	Professional Experience 7: Meeting the English Language Needs of Learners	6cp
012222	Child Development	6cp
012223	Research in Learning	6cp
012224	Sociology of Education	6cp
012225	Issues in Indigenous Australian Education	6cp
012221	Philosophical and Ethical Practice in Education	6cp
010050	Student Welfare: Implications for Teaching and Learning	6cp
010051	Beginning Teaching: Surviving and Thriving	6cp
013218	Studio Practice: Painting	6cp
013219	Studio Practice: Ceramics	6cp
027412	Personal Development Health and Physical Education: Teachers and Physical Activity	6cp
023412	Education Study 2: Value	6cp
020705	Educational Drama	6cp
024412	English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama	6cp
024413	English Study 3: The Literature of Protest	6cp
028411	Science and Technology Study 1: The Human Body	6cp
024421	Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing	6cp
024424	Children's Theatre and Creative Arts 4: Staging Performances	6cp
023200	HSIE Study 1: Social Issues and Social Action	6cp
012238	Professional Experience 8: Reflecting on Educational Practice	6cp
023156	Professional Experience 6: Promoting Student Centred Learning	6cp
023157	Professional Experience 7: Reflection on Educational Practice	6cp
023158	Professional Experience 8: Analysing Current Issues in Australian Education	6cp
024213	English Education 3	6cp
028222	Society, Science, Technology and the Environment	6cp
026411	Music Study 1	6cp
010052	Environmental Sustainability Education	6cp

Total 144cp

CBK90124 Electives (International)

Free choice of electives.

CBK90127 Electives (Architecture)

Select 24 credit points from the following options: 24cp

11272	Designing with Landscape Elements	6cp
11282	Advanced Building Systems	6cp
11283	Access in Large Scale Buildings	6cp
11285	Advanced Modelmaking	6cp
11287	Islamic Architecture 630-1700	6cp
11291	Freehand Illustration	6cp
11294	Architectural Experience A	6cp
11295	Architectural Experience B	6cp
11296	Architectural Experience C	6cp
11297	Architectural Experience D	6cp
11301	Fine Houses of Europe and America	6cp
11304	House and Housing	6cp

11305	Architecture Special Topics	6cp
11310	Critical Theory	6cp
11311	Drawing to Diagrams: Topics in Architectural Theory	6cp
11361	Special Project (Theory)	6cp
11362	Special Project (Technology)	6cp
11363	Special Project (Communications)	6cp
11364	Special Project (Design)	6cp
11365	Special Project (Offshore)	6cp
11307	Architecture Special Project	6cp
11308	Reading and Writing Architectural Criticism	6cp
11309	Architecture, Cinema and Representation	6cp
11312	Modern Western Aesthetics	6cp
11313	Exploring Space 1: from Simple Beginnings to Baudrillard	6cp
11512	Architecture Competition Project	6cp
		Total 24cp

CBK90131 Core subjects choice

Select 30 credit points from the following options: 30cp

83563	Dress, Body and Couture	6cp
83564	Digital Fashion Multimedia	6cp
83565	Marketing Promotions for Fashion	6cp
83566	Contemporary Fashion Styling	6cp
		Total 30cp

CBK90132 Design Discipline subjects

Select 18 credit points from the following options: 18cp

85504	Design Futures: Sustainable Lifestyles	6cp
85505	Design Interventions: Making Theories	6cp
85506	Design Differences: Intercultural Asia	6cp
85509	Design Differences: Community Identities	6cp
85500	Design Futures: Creative Technologies	6cp
85601	Design Futures: Business Innovation	6cp
85602	Interdisciplinary Design Lab: Undergraduate	6cp
85603	Interdisciplinary Design Experience: Undergraduate	6cp
		Total 18cp

CBK90133 Interior Industry subjects

Select 18 credit points from the following options: 18cp

86150	Consumer Environments	6cp
86160	Corporate Environments	6cp
86190	Special Industry Project	6cp
		Total 18cp

CBK90134 Interior Theory and Elements subjects

Select 18 credit points from the following options: 18cp

86213	Interpreting Cultural Space	6cp
		Total 18cp

CBK90136 Year 2 and 3 subjects

Select 6 credit points from the following options: 6cp

86190	Special Industry Project	6cp
86133	Interior Systems and Design Detail	6cp
		Total 6cp

CBK90137 Options (PSM) (A)

Select 24 credit points from the following options: 24cp

85500	Design Futures: Creative Technologies	6cp
80034	Physical and Tangible Media Interfaces for Design Expression	6cp
80214	Locative and Sensor Design Technologies	6cp
87669	VC Technology: Digital Photo Media	6cp
80035	Photographic Artifice	6cp
80042	Photography and Seeing Light	6cp
Select one of the following:		6cp
80033	Professional Practice: Photography	6cp
80063	Professional Practice: Situated / Interactive Media	6cp
		Total 24cp

CBK90138 Electives (PSM) (B)

Free choice of electives.

CBK90141 Language and Culture subject choice

Select 16 credit points from the following options: 16cp

CBK90487	Chinese Language and Culture	16cp
CBK90488	Japanese Language and Culture	16cp
CBK90490	French Language and Culture	16cp
CBK90491	Spanish Language and Culture	16cp
CBK90492	German Language and Culture	16cp
CBK90493	Italian Language and Culture	16cp
		Total 16cp

CBK90142 Contemporary Society subject

Select 8 credit points from the following options: 8cp

976111	Contemporary China	8cp
976211	Contemporary Japan	8cp
976502	Contemporary Latin(o) Americas	8cp
976602	Contemporary Canada (Quebec)	8cp
976404	Contemporary Switzerland	8cp
976411	Contemporary France	8cp
976421	Contemporary Germany	8cp
976431	Contemporary Italy	8cp
976451	Contemporary Spain	8cp
		Total 8cp

CBK90145 Core subjects

Select 36 credit points from the following options: 36cp

49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49049	Air and Noise Pollution	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49116	Contaminated Site and Waste Remediation	6cp
49257	Geographic Information Systems	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 36cp

CBK90147 Electives

Select 48 credit points from the following options: 48cp

013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013115	Professional Practice and Changing Work	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013151	Project Management	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013967	e-Learning Design	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
013149	The Language Literacy and Numeracy Learner	6cp
		Total 48cp

CBK90148 Education subjects (PG)

Select 6 credit points from the following options: 6cp

013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013098	Independent Study Project 1	6cp
013159	Independent Study Project 2	6cp
013951	Learning and Change	6cp
013952	Research Perspectives	6cp
		Total 6cp

CBK90149 Science subjects

Consult the course director before selecting this study package.

Completion requirements

Free choice of electives.

CBK90151 Electives (IT Management)

Free choice of electives.

CBK90152 Visual Communications Technology subjects

Select 12 credit points from the following options: 12cp

87007	VC Technology: Pre-press and Print Production	6cp
87539	VC Technology: Introduction to Web Media	6cp
87549	VC Technology: Introduction to Interactive Media	6cp
87559	VC Technology: Introduction to Video Media	6cp
87569	VC Technology: Historical Photo Media	6cp
		Total 12cp

CBK90154 Core subjects choice

Select 36 credit points from the following options: 36cp

49003	Economic Evaluation	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49004	Systems Engineering for Managers	6cp
49309	Quality Planning and Analysis	6cp
Select one of the following:		6cp
49098	Engineering Financial Control	6cp
22747	Accounting for Managerial Decisions	6cp
Select one of the following:		6cp
49069	Leadership and Responsibility	6cp
21844	Managing Work and People	6cp
49680	Value Chain Engineering Systems	6cp
		Total 36cp

CBK90159 Electives

Select 24 credit points from the following options: 24cp

31735	Information Systems and Organisation Development	6cp
31748	Programming on the Internet	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31950	Networked Enterprise Design	6cp
31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31096	Managing Client/Vendor Relations	6cp
31100	Enterprise Development with .NET	6cp
31338	Network Servers	6cp
31091	Mobile Computing Project	6cp
31005	Advanced Data Analytics	6cp
		Total 24cp

CBK90161 Electives

Select 6 credit points from the following options: 6cp

31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31748	Programming on the Internet	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31735	Information Systems and Organisation Development	6cp
31950	Networked Enterprise Design	6cp
31096	Managing Client/Vendor Relations	6cp
31100	Enterprise Development with .NET	6cp
31338	Network Servers	6cp
31030	Project	6cp
31091	Mobile Computing Project	6cp
31005	Advanced Data Analytics	6cp
		Total 6cp

CBK90162 Electives (Non-IT)

Select 12 credit points from the following options: 12cp

32555	Fundamentals of Software Development	6cp
		Total 12cp

CBK90166 Electives (International Business Studies)

99863	Exchange Subject 1	6cp
99864	Exchange Subject 2	6cp
99865	Exchange Subject 3	6cp
99866	Exchange Subject 4	6cp
		Total 24cp

CBK90167 Taxation Law sub-major choice

Select 6 credit points from the following options: 6cp

79606	Advanced Taxation Law	6cp
79021	International Aspects of Australian Taxation Law	6cp
79022	GST and other Indirect Taxes	6cp
79026	Estate Planning (UG)	6cp
79027	Retirement Planning (UG)	6cp
		Total 6cp

CBK90169 Major choice (Business)

Select 48 credit points from the following options: 48cp

MAJ08437	Accounting	48cp
MAJ09209	Economics	48cp
MAJ08440	Finance	48cp
MAJ08446	Human Resource Management	48cp
MAJ08442	International Business	48cp
MAJ08438	Management	48cp
MAJ08441	Marketing	48cp
MAJ08068	Financial Services	48cp
MAJ08116	Marketing Communication	48cp
		Total 48cp

CBK90170 Major/Two sub-majors/Sub-major + four electives

Select 48 credit points from the following options: 48cp

MAJ08437	Accounting	48cp
MAJ09401	Business Law	48cp
MAJ09209	Economics	48cp
MAJ08440	Finance	48cp
MAJ08068	Financial Services	48cp
MAJ08446	Human Resource Management	48cp
MAJ02041	Information Technology	48cp
MAJ08442	International Business	48cp
MAJ08438	Management	48cp
MAJ08441	Marketing	48cp
MAJ08116	Marketing Communication	48cp
MAJ08445	Sport Management	48cp
MAJ08443	Tourism Management	48cp
SMJ08131	Advanced Advertising	24cp
SMJ08137	Advertising	24cp
SMJ02036	Business Information Systems	24cp
SMJ09030	Business Law	24cp
SMJ09058	Econometrics	24cp
SMJ09028	Economics	24cp
SMJ08203	Event Management	24cp
SMJ08123	Finance	24cp
SMJ08214	Financial Planning	24cp
SMJ08116	Financial Reporting	24cp
SMJ08215	Financial Services	24cp
SMJ08141	Human Resource Development	24cp
SMJ08128	Human Resource Management	24cp
SMJ08117	International Accounting	24cp
SMJ08139	International Business Studies	24cp
SMJ08129	International Management	24cp
SMJ09034	International Studies	24cp
SMJ02037	Information Technology	24cp
SMJ09035	Language other than English	24cp
SMJ08130	Management	24cp
SMJ08109	Management Consulting	24cp
SMJ08195	Management Reporting	24cp
SMJ08138	Marketing	24cp
SMJ08132	Marketing Research	24cp
SMJ01007	Mathematics	24cp
SMJ08211	Public Relations	24cp
SMJ01025	Quantitative Management	24cp
SMJ08120	Small Business Accounting	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08126	Sport Management	24cp
SMJ01009	Statistics	24cp
SMJ08204	Strategic Marketing	24cp
SMJ09033	Taxation Law	24cp
SMJ08127	Tourism Management	24cp
CBK90171	Electives	24cp
SMJ09060	Australian Language and Culture Studies	24cp

Total 48cp

CBK90171 Electives

Free choice of electives.

CBK90173 Major choice

Select 120 credit points from the following options: 120cp

MAJ03005	Electrical Engineering	120cp
MAJ03007	Mechanical Engineering	120cp
MAJ03012	Mechanical and Mechatronic Engineering	120cp
MAJ03001	Civil Engineering	120cp
MAJ03002	Civil and Environmental Engineering	120cp
MAJ03029	Innovation Engineering	120cp
MAJ03446	ICT Engineering	120cp
CBK90010	No specified major	120cp
MAJ03472	Biomedical Engineering	120cp

Total 120cp

CBK90174 Major choice (Engineering)

Select 102 credit points from the following options: 102cp

MAJ03019	Mechanical Engineering	102cp
MAJ03017	Electrical Engineering	102cp
MAJ03014	Civil and Environmental Engineering	102cp
MAJ03013	Civil Engineering	102cp
CBK90053	No specified major	102cp
MAJ03448	ICT Engineering	102cp

Total 102cp

CBK90175 Science major choice

Select 78 credit points from the following options: 78cp

MAJ01087	Applied Chemistry	78cp
MAJ01088	Applied Physics	78cp
MAJ01089	Environmental Science	78cp
MAJ01090	Biomedical Science	78cp
MAJ01091	Nanotechnology	78cp
STM90348	Core subjects (Medical Science)	78cp
STM90274	Core subjects (Biotechnology)	78cp
MAJ01095	Mathematics	78cp

Total 78cp

CBK90176 Major choice (Engineering)

Select 114 credit points from the following options: 114cp

MAJ03028	Electrical Engineering	114cp
MAJ03030	Mechanical Engineering	114cp
MAJ03450	Mechanical and Mechatronic Engineering	114cp
MAJ03025	Civil Engineering	114cp
MAJ03026	Civil and Environmental Engineering	114cp
MAJ03449	ICT Engineering	114cp
CBK90036	No specified major	114cp

Total 114cp

CBK90178 Major choice

Select 84 credit points from the following options: 84cp

MAJ03413	Electrical Engineering	84cp
MAJ03139	Mechanical Engineering	84cp
MAJ03134	Civil Engineering	84cp
MAJ03412	Civil and Environmental Engineering	84cp
MAJ03024	Innovation Engineering	84cp
MAJ03447	ICT Engineering	84cp
STM90357	No specified major	84cp

Total 84cp

CBK90185 Business Information Technology major choice

Select 36 credit points from the following options: 36cp

32509	Interaction Design	6cp
32531	Global Information Systems	6cp
32536	Advanced Software Modelling	6cp
32702	Contemporary Telecommunications	6cp
32208	Information Systems Strategy	6cp
32148	Enterprise Computing	6cp
42900	Sustainability and Information Systems	6cp

Total 36cp

CBK90186 Major/Two sub-majors/Sub-major + four electives

Select 48 credit points from the following options: 48cp

MAJ09209	Economics	48cp
MAJ08440	Finance	48cp
MAJ08446	Human Resource Management	48cp
MAJ02041	Information Technology	48cp
MAJ08442	International Business	48cp
MAJ08438	Management	48cp
MAJ08441	Marketing	48cp
MAJ08445	Sport Management	48cp
MAJ08443	Tourism Management	48cp
SMJ01007	Mathematics	24cp
SMJ01009	Statistics	24cp
SMJ01025	Quantitative Management	24cp
SMJ02036	Business Information Systems	24cp
SMJ02037	Information Technology	24cp
SMJ08109	Management Consulting	24cp
SMJ08116	Financial Reporting	24cp
SMJ08117	International Accounting	24cp
SMJ08120	Small Business Accounting	24cp
SMJ08123	Finance	24cp
SMJ08126	Sport Management	24cp
SMJ08127	Tourism Management	24cp
SMJ08128	Human Resource Management	24cp
SMJ08129	International Management	24cp
SMJ08130	Management	24cp
SMJ08137	Advertising	24cp
SMJ08138	Marketing	24cp
SMJ08139	International Business Studies	24cp
SMJ08141	Human Resource Development	24cp
SMJ09028	Economics	24cp
SMJ09030	Business Law	24cp
SMJ09033	Taxation Law	24cp

SMJ09034	International Studies	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
CBK90187	Electives	24cp
SMJ08195	Management Reporting	24cp
SMJ08204	Strategic Marketing	24cp
SMJ08131	Advanced Advertising	24cp
SMJ08132	Marketing Research	24cp
SMJ08203	Event Management	24cp
SMJ08211	Public Relations	24cp
SMJ09058	Econometrics	24cp
SMJ08214	Financial Planning	24cp
MAJ08116	Marketing Communication	48cp
MAJ09401	Business Law	48cp
MAJ08068	Financial Services	48cp
SMJ08215	Financial Services	24cp
		Total 48cp

CBK90187 Electives

Free choice of electives.

CBK90190 Electives

Free choice of electives.

CBK90191 Electives

Free choice of electives.

CBK90208 Electives

Free choice of electives.

CBK90214 Major/Two sub-majors/Sub-major + four electives

Select 48 credit points from the following options: 48cp

MAJ08934	Accounting and Finance	48cp
MAJ02044	Information Technology	48cp
MAJ09362	Business Law	48cp
MAJ08938	Technology Management	48cp
MAJ08940	Finance	48cp
MAJ08476	Management	48cp
MAJ08941	International Business	48cp
MAJ08480	Marketing	48cp
MAJ08483	Professional Accounting	48cp
MAJ08020	Human Resource Management	48cp
CBK90216	Electives	24cp
SMJ02038	Information Technology	24cp
SMJ08037	Operations and Supply Chain	24cp
SMJ08038	Strategic Management	24cp
SMJ08066	Human Resources Management	24cp
SMJ08071	Arts Management	24cp
SMJ08075	Engineering Management	24cp
SMJ08084	Marketing	24cp
SMJ08147	Finance	24cp
SMJ08148	International Business	24cp
SMJ08153	Public Relations	24cp
SMJ08155	Sport Management	24cp
SMJ08156	Tourism Management	24cp
SMJ09037	Business Law	24cp
SMJ08086	Project Management	24cp
SMJ08111	Marketing Research	24cp
SMJ10028	International Exchange	24cp
SMJ08205	Strategic Marketing	24cp
SMJ08208	Management	24cp
SMJ08209	Community Management	24cp
SMJ08210	Value Creation in Services	24cp
MAJ08049	Accounting Information Systems	48cp
SMJ08213	Event Management	24cp
SMJ08098	Accounting Information Systems	24cp
		Total 48cp

CBK90216 Electives

The electives chosen should comprise postgraduate subjects only.

Completion requirements

Free choice of electives.

CBK90223 Science major choice

Free choice of electives.

CBK90225 Core subjects choice

Select 42 credit points from the following options: 42cp

32009	Advanced Routing Principles	6cp
32010	Wide Area Network Implementation	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32520	UNIX Systems Administration	6cp
32525	Web Services Technologies and Applications	6cp
32527	Internetwork Design	6cp
32528	Network Management	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32001	Mobile Commerce Technologies	6cp
32521	WANS and VLANS	6cp
32012	Internet Quality of Service (QoS)	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95567	Digital Media in Social Context	6cp
32509	Interaction Design	6cp
32310	Network Security Appliances	6cp
32309	Digital Forensics	6cp
32209	Advanced Topics in Computer Networks	6cp
32552	IP Telephony and Voice over IP	6cp
32013	.NET Enterprise Development	6cp
32541	Project Management	6cp
32998	.NET Application Development	6cp
49227	Wireless Sensor Networks	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
32516	Internet Programming	6cp
42901	Object-Relational Databases	6cp
Select one of the following:		6cp
32933	Research Project	6cp
32934	Research Project	12cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 42cp

CBK90226 Specialist option choice

Select 24 credit points from the following options: 24cp

STM90355	Biomedical Technology stream	24cp
STM90354	Computer-aided Design stream	24cp
STM90352	Sustainable Energy Systems stream	24cp
STM90353	Intelligent Systems stream	24cp
		Total 24cp

CBK90228 Electives

Select 18 credit points from the following options: 18cp

48023	Programming Fundamentals	6cp
48024	Applications Programming	6cp
48080	Introduction to Innovation	6cp
48221	Engineering Computations	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48349	Structural Analysis	6cp
48350	Environmental and Sanitation Engineering	6cp
48352	Construction Materials	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
48370	Road and Transport Engineering	6cp
48389	Computer Modelling and Design	6cp
48430	Embedded C	6cp
48433	Software Architecture	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp
48441	Introductory Digital Systems	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48530	Circuit Analysis	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
48541	Signal Theory	6cp
48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
48560	Introductory Control	6cp
48561	Power Electronics and Drives	6cp

48570	Data Acquisition and Distribution	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48622	Mechatronics 1	6cp
48623	Mechatronics 2	6cp
48640	Machine Dynamics	6cp
48641	Fluid Mechanics	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48661	Heat Transfer	6cp
48662	Mechanical Applications	6cp
48663	Advanced Manufacturing	6cp
48670	Mechanical and Mechatronic Design	6cp
48720	Network Fundamentals	6cp
48721	Strategic e-Business Technologies	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48860	Pollution Control and Waste Management	6cp
49124	Water Quality Management	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49047	Finite Element Analysis	6cp
49049	Air and Noise Pollution	6cp
49102	Traffic and Transportation	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49307	Internal Combustion Engines	6cp
49316	Materials Handling	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49928	Design Optimisation for Manufacturing	6cp
48353	Concrete Design	6cp
48821	Ecological Engineering	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49115	Facade Engineering	6cp
49117	Floodplain Risk Management in NSW	6cp
49225	Software Project Management	6cp
49247	Object-oriented Technology	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49321	Energy Conversion	6cp
48521	Fundamentals of Electrical Engineering	6cp
48572	Power Circuit Theory	6cp
49261	Biomedical Instrumentation	6cp
48571	Electrical Machines	6cp
48580	Advanced Control	6cp
48581	Digital Electronics	6cp
48582	Power Systems Analysis and Design	6cp
48583	Power Systems Operation and Protection	6cp
48600	Mechanical Design 1	6cp
48601	Mechanical Vibration and Measurement	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49118	Applied Geotechnics	6cp
48033	Wireless Sensor Networks: Technology and Applications	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
41101	Fundamentals of Biomedical Engineering	6cp
41105	Biomedical Signal and Image Processing	6cp
48366	Steel and Timber Design	6cp
48371	Advanced Engineering Computing	6cp
48372	Water Quantity and Quality Processes	6cp
48881	Water and Environmental Design	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
49116	Contaminated Site and Waste Remediation	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49205	Transmission Systems	6cp
49223	Satellite Communication Systems	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49258	Pavement Analysis and Design	6cp
49312	Advanced Flow Modelling	6cp
65111	Chemistry 1	6cp
42001	Bioinformatics	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
49215	Telecommunications Industry Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
42890	4G Mobile Technologies	6cp
41900	Fundamentals of Security	6cp
42991	Advanced Water and Wastewater Treatment	6cp
41002	Professional Engineering Practice Preparation	6cp
		Total 18cp

CBK90230 Elective

Select 6 credit points from the following options: 6cp

42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42904	Cloud Computing and Software as a Service	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp

49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49306	Quality and Operations Management Systems	6cp
49307	Internal Combustion Engines	6cp
49309	Quality Planning and Analysis	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49706	Regulatory Economics	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
32555	Fundamentals of Software Development	6cp
32603	Systems Quality Management	6cp
32570	Enterprise Software Architecture and Middleware	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
32005	Strategic Leadership for Innovation	6cp
32009	Advanced Routing Principles	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32118	Mobile Communications and Computing	6cp
32144	Technology Research Preparation	6cp
32310	Network Security Appliances	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32541	Project Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32552	IP Telephony and Voice over IP	6cp
32553	Leadership and People Management	6cp
32557	Enabling Enterprise Information Systems	6cp
32562	Strategic Business Management	6cp
32563	IT Professional and Society	6cp
32606	Database	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
42891	Infrastructure for Cloud Computing	6cp
42905	Marketing Technology	6cp
49203	Telecommunications Signal Processing	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 6cp

CBK90231 Electives (International Studies)

Select 24 credit points from the following options: 24cp

57025	Intercultural and International Communication	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97403	French Language and Culture 3	8cp
97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97603	German Language and Culture 3	8cp
97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97803	Italian Language and Culture 3	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97203	Japanese Language and Culture 3	8cp
97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
97503	Spanish Language and Culture 3	8cp
57011	Research and Reporting for Journalism	8cp
57022	Foundations of Communication	8cp
57028	Research for Communication Professionals	8cp
57031	Non-fiction Writing	8cp
57061	Issues in Documentary	8cp
57100	People, Information and Knowledge	8cp
57138	International and Comparative Journalism	8cp
57145	Freelance Writing	8cp
57152	Investigative Research in the Digital Environment	8cp
57167	Moving Image	8cp
57178	Digital and Multiplatform Storytelling	8cp
57182	Rethinking Media	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97204	Japanese Language and Culture 4	8cp
97205	Japanese Language and Culture 5	8cp
97206	Japanese Language and Culture 6	8cp
97207	Japanese Films and Popular Culture	8cp
97208	Japanese Language and Identity	8cp
97209	Japanese Media and Current Issues	8cp
97210	Transcultural Communication in Japanese	8cp
97404	French Language and Culture 4	8cp
97405	French Language and Culture 5	8cp
97406	French Language and Culture 6	8cp
97407	Francophone Identities in Conflict	8cp
97408	Show and Tell: Francophone Cultures on Display	8cp
97409	Francophone Cultures of Consumption	8cp
97410	Places and Spaces of the Francophone World	8cp

97504	Spanish Language and Culture 4	8cp
97505	Spanish Language and Culture 5	8cp
97506	Spanish Language and Culture 6	8cp
97507	Spanish Language and Culture 7	8cp
97508	Spanish Language and Culture 8	8cp
97604	German Language and Culture 4	8cp
97605	German Language and Culture 5	8cp
97606	German Language and Culture 6	8cp
97607	German Language and Culture 7	8cp
97608	German Language and Culture 8	8cp
97804	Italian Language and Culture 4	8cp
97805	Italian Language and Culture 5	8cp
97806	Italian Language and Culture 6	8cp
97807	Italian Language and Culture 7	8cp
97808	Italian Language and Culture 8	8cp
979510	Contemporary China	8cp
979511	Contemporary Japan	8cp
979512	Contemporary France	8cp
979513	Contemporary Spain	8cp
979514	Contemporary Germany	8cp
979515	Contemporary Italy	8cp
979516	Contemporary Canada (Quebec)	8cp
979517	Contemporary Switzerland	8cp
979518	Contemporary Latin(o) Americas	8cp
		Total 24cp

CBK90232 Electives (Science UG)

Free choice of electives.

CBK90233 Electives

Free choice of electives.

CBK90234 Electives (Cultural Studies)

Free choice of electives.

CBK90236 Electives (Journalism)

Select 8 credit points from the following options: 8cp

57013	Journalism Studies	8cp
57012	Regulation of the Media	8cp
57014	Feature Writing	8cp
		Total 8cp

CBK90237 Journalism subjects

Select 8 credit points from the following options: 8cp

57014	Feature Writing	8cp
		Total 8cp

CBK90238 Electives

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
		Total 8cp

CBK90239 400-level Media Arts subjects

Select 8 credit points from the following options: 8cp

57989	Mise-en-Scene	8cp
57061	Issues in Documentary	8cp
		Total 8cp

CBK90240 Electives

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
57109	Film Animation	8cp
		Total 8cp

CBK90241 Electives (Sound)

Free choice of electives.

CBK90242 Sub-major/Electives (DAB)

Select 24 credit points from the following options: 24cp

CBK90246	Electives	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08157	Business Accounting	24cp
SMJ10020	Architectural Studies	24cp
SMJ08198	Advertising Principles	24cp
SMJ08197	Marketing Principles	24cp
SMJ08206	Research Methods	24cp
SMJ08211	Public Relations	24cp
SMJ08212	Advertising	24cp
SMJ09048	Transnational Studies	24cp
SMJ09049	Reading Australia	24cp
SMJ09050	Environmental Studies	24cp
SMJ09051	Bodies, Genders, Rights	24cp
SMJ10032	Media Studies	24cp
SMJ10033	Screen Studies	24cp
SMJ10041	Writing and Cultural Studies	24cp
SMJ09053	Social Inquiry	24cp
SMJ10034	Journalism	24cp
SMJ09052	Aboriginal Studies	24cp
SMJ09054	Information and Media	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90244 Sub-major/Electives

Select 24 credit points from the following options: 24cp

CBK90127	Electives (Architecture)	24cp
SMJ04016	Architectural Experience	24cp
		Total 24cp

CBK90246 Electives

Free choice of electives.

CBK90247 Sub-major choice

Select 24 credit points from the following options: 24cp

SMJ02043	Internetworking	24cp
SMJ02044	Mobile Computing	24cp
SMJ02045	Applications Development	24cp
SMJ02047	IT Management	24cp
SMJ02039	Computer Graphics and Animation	24cp
SMJ02040	Software Engineering	24cp
SMJ08163	Internet Business Technology	24cp
		Total 24cp

CBK90248 Major choice

Select 30 credit points from the following options: 30cp

MAJ09313	Commercial Law	30cp
MAJ09320	Dispute Resolution	30cp
MAJ09367	Family Law	30cp
MAJ09323	Information Technology Law	30cp
MAJ09363	Industrial and Intellectual Property Law	30cp
MAJ09322	International Law	30cp
MAJ09364	International Trade Law	30cp
CBK90054	No specified major	30cp
		Total 30cp

CBK90249 Sub-major/Electives

Select 24 credit points from the following options: 24cp

CBK90074	Electives	24cp
SMJ08157	Business Accounting	24cp
SMJ09040	Introductory Economics	24cp
SMJ08159	Employment Relations	24cp
SMJ08160	International Management	24cp
SMJ01010	Electronics and Computer Interfacing	24cp
SMJ01012	Physics	24cp
SMJ01009	Statistics	24cp
SMJ02057	Scientific Computing	24cp
SMJ09034	International Studies	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ09045	Information Technology Law	24cp
SMJ01026	Quantitative Management	24cp
SMJ08188	Accounting for Small Business	24cp
SMJ08198	Advertising Principles	24cp
SMJ08197	Marketing Principles	24cp
SMJ08196	Innovation	24cp
		Total 24cp

CBK90250 Electives (Humanities and Social Sciences)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
57147	Enterprise Content Management	8cp
		Total 8cp

CBK90251 Electives

Select 32 credit points from the following options: 32cp

58324	Investigating Media, Reflective Practices	8cp
58226	Media, Mediation, Power	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58224	Australian Pasts and Places	8cp

50001	Online Documentary	8cp
58223	Social Bodies	8cp
58316	Sex, Race and Empire	8cp
58222	Global Politics from Above and Below	8cp
58318	Gender, Culture, Power	8cp
50190	Information Research Project	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58122	Introduction to Social Inquiry	8cp
50251	Genocide Studies	8cp
97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
58110	Introduction to Journalism	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58328	The New Economy of Post-Nature	8cp
58320	Australian Fiction	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58116	The Ecology of Public Communication	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58123	Society, Economy and Globalisation	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58317	Transnational Media	8cp
58319	Rights and Territories	8cp
58321	Australian Film	8cp
58322	Screening the Past	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 32cp

CBK90252 Electives (Media Arts and Production)

Select 32 credit points from the following options: 32cp

58324	Investigating Media, Reflective Practices	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
50001	Online Documentary	8cp
58224	Australian Pasts and Places	8cp
58223	Social Bodies	8cp
58316	Sex, Race and Empire	8cp
58222	Global Politics from Above and Below	8cp
58318	Gender, Culture, Power	8cp
58117	Principles of Public Relations	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58122	Introduction to Social Inquiry	8cp
58128	Strategic Public Relations	8cp
50251	Genocide Studies	8cp
97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
58110	Introduction to Journalism	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58328	The New Economy of Post-Nature	8cp
58320	Australian Fiction	8cp
58123	Society, Economy and Globalisation	8cp
58116	The Ecology of Public Communication	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58226	Media, Mediation, Power	8cp
58317	Transnational Media	8cp
58319	Rights and Territories	8cp
58321	Australian Film	8cp
58322	Screening the Past	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 32cp

CBK90253 Electives (Journalism)

Select 32 credit points from the following options: 32cp

58324	Investigating Media, Reflective Practices	8cp
58226	Media, Mediation, Power	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
50001	Online Documentary	8cp
58224	Australian Pasts and Places	8cp
58223	Social Bodies	8cp
58316	Sex, Race and Empire	8cp
58222	Global Politics from Above and Below	8cp
58318	Gender, Culture, Power	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58122	Introduction to Social Inquiry	8cp
50251	Genocide Studies	8cp
97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58328	The New Economy of Post-Nature	8cp
58320	Australian Fiction	8cp
58123	Society, Economy and Globalisation	8cp
58116	The Ecology of Public Communication	8cp
58110	Introduction to Journalism	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58317	Transnational Media	8cp

58319	Rights and Territories	8cp
58321	Australian Film	8cp
58322	Screening the Past	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 32cp

CBK90254 Dissertation/In-country study

Select 24 credit points from the following options: 24cp

978141	In-country Study: Latino USA	24cp
978137	In-country Study: France	24cp
978144	In-country Study: Switzerland	24cp
978134	In-country Study: Canada	24cp
978138	In-country Study: Germany	24cp
978143	In-country Study: Spain	24cp
978142	In-country Study: Mexico	24cp
978140	In-country Study: Japan	24cp
978135	In-country Study: Chile	24cp
978139	In-country Study: Italy	24cp
978136	In-country Study: China	24cp
978145	In-country Study: Argentina	24cp
978912	In-country Study: Colombia	24cp
		Total 24cp

CBK90255 New Media choice

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
		Total 8cp

CBK90256 400-level Media Arts subjects

Select 8 credit points from the following options: 8cp

57989	Mise-en-Scene	8cp
57061	Issues in Documentary	8cp
		Total 8cp

CBK90257 Media Production subjects

Free choice of electives.

CBK90258 Media Arts subjects

Select 8 credit points from the following options: 8cp

57989	Mise-en-Scene	8cp
57061	Issues in Documentary	8cp
50001	Online Documentary	8cp
		Total 8cp

CBK90259 Electives (New Media)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
		Total 8cp

CBK90260 Writing subjects

Select 8 credit points from the following options: 8cp

57041	Narrative Writing	8cp
57031	Non-fiction Writing	8cp
57145	Freelance Writing	8cp
		Total 8cp

CBK90261 Electives (Information and Knowledge Management)

Select 8 credit points from the following options: 8cp

57008	Digital Libraries and Collections	8cp
57084	Information Architecture and Design	8cp
57087	Knowledge Management and the Organisation	8cp
57103	Knowledge Management Strategies	8cp
57089	Information Research and Data Analysis	8cp
		Total 8cp

CBK90262 Electives (Information and Knowledge Management)

Select 24 credit points from the following options: 24cp

57008	Digital Libraries and Collections	8cp
57084	Information Architecture and Design	8cp
57087	Knowledge Management and the Organisation	8cp
57103	Knowledge Management Strategies	8cp
57089	Information Research and Data Analysis	8cp
		Total 24cp

CBK90263 100-level subjects (Design Studies PG)

Select 24 credit points from the following options: 24cp

85604	Reflective Practice	6cp
85500	Design Futures: Creative Technologies	6cp
85504	Design Futures: Sustainable Lifestyles	6cp
85505	Design Interventions: Making Theories	6cp
85506	Design Differences: Intercultural Asia	6cp
85509	Design Differences: Community Identities	6cp
85601	Design Futures: Business Innovation	6cp
85602	Interdisciplinary Design Lab: Undergraduate	6cp
85603	Interdisciplinary Design Experience: Undergraduate	6cp
85701	Research Based Designing	6cp
		Total 24cp

CBK90265 Language, Literacy and Numeracy subjects

Select 24 credit points from the following options: 24cp

013095	Global Englishes	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013107	Phonology and Pronunciation	6cp
013132	Technology Enhanced Language Learning	6cp
013137	Educational Leadership	6cp
013141	Language Programming and Assessment	6cp
013159	Independent Study Project 2	6cp
		Total 24cp

CBK90266 Language, Literacy and Numeracy subjects

Select 12 credit points from the following options: 12cp

013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013107	Phonology and Pronunciation	6cp
013132	Technology Enhanced Language Learning	6cp
013137	Educational Leadership	6cp
013141	Language Programming and Assessment	6cp
013159	Independent Study Project 2	6cp
		Total 12cp

CBK90267 Language, Literacy and Numeracy subjects

Select 18 credit points from the following options: 18cp

013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013132	Technology Enhanced Language Learning	6cp
013141	Language Programming and Assessment	6cp
013159	Independent Study Project 2	6cp
		Total 18cp

CBK90268 Major choice (Creative Arts)

Select 24 credit points from the following options: 24cp

MAJ10006	Children's Art	24cp
MAJ10007	Youth Performance Studies	24cp
STM90109	No specified specialisation	24cp
		Total 24cp

CBK90269 Language, Literacy and Numeracy subjects

Select 6 credit points from the following options: 6cp

013095	Global Englishes	6cp
013099	Individualised Project 1	6cp
013104	Language and Power	6cp
013107	Phonology and Pronunciation	6cp
013132	Technology Enhanced Language Learning	6cp
013137	Educational Leadership	6cp
013141	Language Programming and Assessment	6cp
013159	Independent Study Project 2	6cp
		Total 6cp

CBK90270 Major choice

Select 24 credit points from the following options: 24cp

MAJ07041	Personal Development, Health and Physical Education	24cp
MAJ07047	Technology and Applied Studies	24cp
MAJ07048	Visual Arts	24cp
MAJ07049	English	24cp
MAJ07050	ESL	24cp
MAJ10012	Science/TAS (Computing)	24cp

Total 24cp

CBK90271 Specialisation choice

Select 24 credit points from the following options: 24cp

STM90431	Mathematics specialisation	24cp
STM90432	Science and Technology specialisation	24cp
STM90433	Educational Computing specialisation	24cp
STM90434	Education specialisation	24cp
STM90435	International specialisation	24cp
STM90436	English specialisation	24cp
STM90437	Human Society and its Environment specialisation	24cp
STM90438	Languages specialisation	24cp
STM90439	PDHPE specialisation	24cp
STM90440	Art specialisation	24cp
STM90441	Children's Theatre and the Creative Arts specialisation	24cp
STM90442	Music specialisation	24cp

Total 24cp

CBK90273 Electives

Select 18 credit points from the following options: 18cp

021702	ICT in Primary Education: Current Issues and Applications	6cp
022601	Learning Beyond the Classroom	6cp
022602	Independent Study	6cp
022603	Teaching Across the Curriculum	6cp
023505	Educational Research	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026702	Music and Society	6cp

Total 18cp

CBK90274 Media Arts subjects

Select 8 credit points from the following options: 8cp

57989	Mise-en-Scene	8cp
57061	Issues in Documentary	8cp

Total 8cp

CBK90275 Advanced Visual Communications Technology subjects

Select 6 credit points from the following options: 6cp

87639	VC Technology: Advanced Web Media	6cp
87649	VC Technology: Advanced Interactive Media	6cp
87659	VC Technology: Advanced Video Media	6cp
87669	VC Technology: Digital Photo Media	6cp

Total 6cp

CBK90278 Electives

Select 42 credit points from the following options: 42cp

021702	ICT in Primary Education: Current Issues and Applications	6cp
022601	Learning Beyond the Classroom	6cp
022602	Independent Study	6cp
022603	Teaching Across the Curriculum	6cp
023505	Educational Research	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026702	Music and Society	6cp
020411	Art Study 1: People in Art	6cp
020414	Art Study 4: Design and Power	6cp
024421	Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
024424	Children's Theatre and Creative Arts 4: Staging Performances	6cp
021412	Educational Computing Study 2	6cp
024411	English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare	6cp
024412	English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama	6cp
024413	English Study 3: The Literature of Protest	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
029410	International Study	24cp
026411	Music Study 1	6cp
026412	Music Study 2	6cp
027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
027412	Personal Development Health and Physical Education: Teachers and Physical Activity	6cp
027413	Specialisation Study 3: Issues in Personal Development, Health and Physical Education	6cp
028411	Science and Technology Study 1: The Human Body	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
028414	Science and Technology Study 4: Planet Earth	6cp
022203	HSIE Study 2: Conflicts and Resolutions	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
022210	HSIE Study 4: Family History in its Social Context	6cp
023200	HSIE Study 1: Social Issues and Social Action	6cp
023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
020705	Educational Drama	6cp
010050	Student Welfare: Implications for Teaching and Learning	6cp
010051	Beginning Teaching: Surviving and Thriving	6cp
013218	Studio Practice: Painting	6cp
013219	Studio Practice: Ceramics	6cp

Total 42cp

CBK90280 Specialisation choice

Select 24 credit points from the following options: 24cp

35241	Optimisation in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35363	Stochastic Models	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35232	Advanced Calculus	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35355	Quality Control	6cp
35361	Stochastic Processes	6cp
35356	Design and Analysis of Experiments	6cp
35252	Mathematical Statistics	6cp

Total 24cp

CBK90283 Options (Law PG)

Select 18 credit points from the following options: 18cp

77701	International Economic Law (PG)	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77767	Taxation Administration	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77794	International Environmental Law	6cp
77796	Taxation of Business Entities	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77893	Designs Law and Practice	6cp
77901	Securities Markets Law	6cp
77903	Copyright Law	6cp
77924	Superannuation and Retirement Planning	6cp
77930	Insurance Law	6cp
77945	Current Issues in Taxation	6cp
77953	International Taxation Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
79771	Dispute Resolution	6cp
STM90111	Research project (Law PG)	12cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78101	Postgraduate Legal Research	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78210	Law and Literature	6cp
78212	Communications and Technology: A Primer	6cp

Total 18cp

CBK90284 Sub-major/Electives

Select 24 credit points from the following options: 24cp

CBK90246	Electives	24cp
SMJ08157	Business Accounting	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ03029	Technology	24cp
SMJ08198	Advertising Principles	24cp
SMJ08197	Marketing Principles	24cp
SMJ09060	Australian Language and Culture Studies	24cp

Total 24cp

CBK90285 Options (Law PG)

Select 12 credit points from the following options: 12cp

77701	International Economic Law (PG)	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77767	Taxation Administration	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77794	International Environmental Law	6cp
77796	Taxation of Business Entities	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77890	Trade Marks Practice	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77900	Goods and Services Tax	6cp
77901	Securities Markets Law	6cp
77903	Copyright Law	6cp
77924	Superannuation and Retirement Planning	6cp
77930	Insurance Law	6cp
77945	Current Issues in Taxation	6cp
77953	International Taxation Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
79771	Dispute Resolution	6cp
STM90111	Research project (Law PG)	12cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
77889	Trade Marks Law	6cp

Total 12cp

CBK90286 Design Expertise major/Electives (PG)

Select 24 credit points from the following options: 24cp

CBK90287	Design Expertise major choice	24cp
CBK90773	Design Expertise electives	24cp

Total 24cp

CBK90287 Design Expertise major choice

Select 24 credit points from the following options:		24cp
MAJ10017	Digitally Mediated Environments	24cp
MAJ10018	Animation Design	24cp
MAJ08956	Project Management	24cp
MAJ08967	Design Specialisation	24cp
		Total 24cp

CBK90288 Elective/Design subjects (PG)

Select 32 credit points from the following options:		32cp
CBK90289	Design subjects (PG)	32cp
CBK90290	Electives	32cp
		Total 32cp

CBK90289 Design subjects (PG)

Free choice of electives.

CBK90290 Electives

Free choice of electives.

CBK90291 Electives

Free choice of electives.

CBK90292 Design subjects (PG)

Free choice of electives.

CBK90293 Electives/Design subjects (PG)

Select 8 credit points from the following options:		8cp
CBK90291	Electives	8cp
CBK90292	Design subjects (PG)	8cp
		Total 8cp

CBK90297 Project/Options (Facility Management)

Select 24 credit points from the following options:		24cp
STM90409	Facility Management subjects (PG)	24cp
STM90177	Graduate project	24cp
		Total 24cp

CBK90299 Electives (Business PG)

Free choice of electives.

CBK90300 Electives (Law)

Free choice of electives.

CBK90302 Electives (Interactive Multimedia)

Students may choose subjects from any of the faculties within the University, as long as the subject area is related in some way to the underlying issues and themes of the Interactive Multimedia courses. Students should talk to the Program Leader and consult the UTS: Handbook before enrolling in electives. When choosing electives students should consider their:

- skills and experience levels
- interests
- learning goals, and
- career objectives.

Completion requirements

Free choice of electives.

CBK90303 Electives (Interactive Multimedia)

Students may choose subjects from any of the faculties within the University, as long as the subject area is related in some way to the underlying issues and themes of the Interactive Multimedia courses. Students should talk to the Program Leader and consult the UTS: Handbook before enrolling in electives. When choosing electives students should consider their:

- skills and experience levels
- interests
- learning goals, and
- career objectives.

Completion requirements

Free choice of electives.

CBK90304 Electives

Free choice of electives.

CBK90305 Electives

Free choice of electives.

CBK90306 Facility Management subjects

Select 48 credit points from the following options:		48cp
15323	Development Management	6cp
15324	Facility Obsolescence	6cp
15341	Sustainable Development	12cp
15342	Environmental Design	12cp
15343	Strategic Facility Planning	12cp
15344	Facility Performance	12cp
		Total 48cp

CBK90307 Property subjects (PG)

Select 24 credit points from the following options:		24cp
12515	Strategic Asset Management	6cp
12535	Development Feasibility and Valuation	6cp
15241	Urban Economics and Finance	6cp
171200	Conservation and Heritage	6cp
17551	Property Market and Risk Analysis	6cp
17703	Property Taxation	6cp
17772	Commercial Retail Property Management	6cp
15313	Project Procurement and Risk Management	6cp
15311	Managing Complex Projects	6cp
15324	Facility Obsolescence	6cp
15312	Communication and Critical Thinking	6cp
15314	Project Implementation	6cp
15222	Urban Design	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp
15301	Planning Theory and Decision Making	6cp
15315	Project Management Principles	6cp
17774	Green Building Evaluation	6cp
		Total 24cp

CBK90308 Property Development subjects

Select 12 credit points from the following options:		12cp
17701	Environment and Control	6cp
17519	Property Research Methods	6cp
17703	Property Taxation	6cp
12535	Development Feasibility and Valuation	6cp
17552	Property Asset Management	6cp
17553	Construction Cost Planning	6cp
		Total 12cp

CBK90309 Property options (PG)

Select 24 credit points from the following options:		24cp
12535	Development Feasibility and Valuation	6cp
12515	Strategic Asset Management	6cp
171200	Conservation and Heritage	6cp
15241	Urban Economics and Finance	6cp
17551	Property Market and Risk Analysis	6cp
17772	Commercial Retail Property Management	6cp
17703	Property Taxation	6cp
15222	Urban Design	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp
15315	Project Management Principles	6cp
17774	Green Building Evaluation	6cp
17554	Urban Simulation	6cp
17555	Complexity and Spatial Analysis	6cp
		Total 24cp

CBK90310 e-Learning choice

Select 12 credit points from the following options:		12cp
95563	Digital Media Development Process	6cp
95567	Digital Media in Social Context	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
CBK90148	Education subjects (PG)	6cp
013951	Learning and Change	6cp
013952	Research Perspectives	6cp
		Total 12cp

CBK90311 Electives

Free choice of electives.

CBK90312 Core subjects

Select 144 credit points from the following options: 144cp

021412	Educational Computing Study 2	6cp
021702	ICT in Primary Education: Current Issues and Applications	6cp
022203	HSIE Study 2: Conflicts and Resolutions	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
022601	Learning Beyond the Classroom	6cp
022602	Independent Study	6cp
022603	Teaching Across the Curriculum	6cp
023505	Educational Research	6cp
023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
023881	Special Education Professional Experience 1: Assesment, Programming and Evaluation	6cp
023882	Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models	6cp
024411	English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026412	Music Study 2	6cp
026702	Music and Society	6cp
027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
028414	Science and Technology Study 4: Planet Earth	6cp
010050	Student Welfare: Implications for Teaching and Learning	6cp
010051	Beginning Teaching: Surviving and Thriving	6cp
013218	Studio Practice: Painting	6cp
013219	Studio Practice: Ceramics	6cp
027412	Personal Development Health and Physical Education: Teachers and Physical Activity	6cp
023412	Education Study 2: Value	6cp
020705	Educational Drama	6cp
024412	English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama	6cp
024413	English Study 3: The Literature of Protest	6cp
028411	Science and Technology Study 1: The Human Body	6cp
024421	Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing	6cp
024424	Children's Theatre and Creative Arts 4: Staging Performances	6cp
023200	HSIE Study 1: Social Issues and Social Action	6cp
023156	Professional Experience 6: Promoting Student Centred Learning	6cp
023157	Professional Experience 7: Reflection on Educational Practice	6cp
023158	Professional Experience 8: Analysing Current Issues in Australian Education	6cp
024213	English Education 3	6cp
028222	Society, Science, Technology and the Environment	6cp

Total 144cp

CBK90313 Electives (Journalism)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
58123	Society, Economy and Globalisation	8cp
58116	The Ecology of Public Communication	8cp
58110	Introduction to Journalism	8cp
58326	Australian Aboriginal Politics and History	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58122	Introduction to Social Inquiry	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58222	Global Politics from Above and Below	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58223	Social Bodies	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58322	Screening the Past	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp

Total 8cp

CBK90314 Electives (Media Arts and Production)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
58110	Introduction to Journalism	8cp
58123	Society, Economy and Globalisation	8cp
58116	The Ecology of Public Communication	8cp
58122	Introduction to Social Inquiry	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp

58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58222	Global Politics from Above and Below	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58223	Social Bodies	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58322	Screening the Past	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 8cp

CBK90315 Electives (Social Inquiry)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
58110	Introduction to Journalism	8cp
58116	The Ecology of Public Communication	8cp
58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58222	Global Politics from Above and Below	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58223	Social Bodies	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58322	Screening the Past	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 8cp

CBK90316 Electives (Public Communication)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
58110	Introduction to Journalism	8cp
58116	The Ecology of Public Communication	8cp
58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58222	Global Politics from Above and Below	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58223	Social Bodies	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58322	Screening the Past	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 8cp

CBK90317 Electives (Writing and Cultural Studies)

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
58110	Introduction to Journalism	8cp
58116	The Ecology of Public Communication	8cp
58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58124	Local Transformations	8cp
58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58222	Global Politics from Above and Below	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58223	Social Bodies	8cp

58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58322	Screening the Past	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 8cp

CBK90318 Electives

Select 8 credit points from the following options: 8cp

50001	Online Documentary	8cp
50190	Information Research Project	8cp
50251	Genocide Studies	8cp
58110	Introduction to Journalism	8cp
58116	The Ecology of Public Communication	8cp
58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
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58121	Fictional Forms	8cp
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58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58222	Global Politics from Above and Below	8cp
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58320	Australian Fiction	8cp
58321	Australian Film	8cp
58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58322	Screening the Past	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58327	Indigenous Futures	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
		Total 8cp

CBK90319 Subject choice (Education)

Select 96 credit points from the following options: 96cp

015033	Programming for Community Learning	6cp
015144	Education and Cultural Diversity	6cp
015189	Facilitating Learning	6cp
		Total 96cp

CBK90320 Major choice

Select 78 credit points from the following options: 78cp

MAJ09396	Aboriginal Studies and Language, Literacy and Numeracy	78cp
MAJ09397	Language, Literacy and Numeracy	78cp
MAJ09398	Vocational Education	78cp
MAJ08962	Human Resource Development	78cp
		Total 78cp

CBK90321 Electives

Select 18 credit points from the following options: 18cp

31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31735	Information Systems and Organisation Development	6cp
31748	Programming on the Internet	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31950	Networked Enterprise Design	6cp
31096	Managing Client/Vendor Relations	6cp
31338	Network Servers	6cp
31091	Mobile Computing Project	6cp
31100	Enterprise Development with .NET	6cp
31005	Advanced Data Analytics	6cp
		Total 18cp

CBK90323 No specified major

Select 30 credit points from the following options: 30cp

77701	International Economic Law (PG)	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77767	Taxation Administration	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77794	International Environmental Law	6cp
77796	Taxation of Business Entities	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77900	Goods and Services Tax	6cp
77901	Securities Markets Law	6cp
77903	Copyright Law	6cp
77924	Superannuation and Retirement Planning	6cp
77930	Insurance Law	6cp
77945	Current Issues in Taxation	6cp
77953	International Taxation Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
79771	Dispute Resolution	6cp
STM90111	Research project (Law PG)	12cp
76047	Advanced Contracts	6cp
76005	Islamic Law	6cp
76039	Jessup International Moot	6cp
76901	Vis Arbitral Moot	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
76002	Sports Law	6cp
76521	Intellectual Property and Traditional Knowledge	6cp
78021	Contemporary Issues in Constitutional Law	6cp
76900	Moot	6cp

78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76007	International Human Rights Law	6cp
76008	Jurisprudence	6cp
76015	Labour Law	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
76069	Community Justice Studies	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
79031	Employment and Industrial Law	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78210	Law and Literature	6cp
		Total 30cp

CBK90326 Options

Select 6 credit points from the following options: 6cp

77746	Advanced Mediation	6cp
77945	Current Issues in Taxation	6cp
77715	Banking Law	6cp
77752	Commercial Arbitration (Domestic)	6cp
77903	Copyright Law	6cp
77792	Crisis Negotiation	6cp
77893	Designs Law and Practice	6cp
79771	Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77704	European Union Law	6cp
77760	Family Dispute Resolution	6cp
77900	Goods and Services Tax	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77701	International Economic Law (PG)	6cp
77794	International Environmental Law	6cp
77953	International Taxation Law	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
77745	Negotiation	6cp
77898	Patent Law	6cp
77850	Psychology and Dispute Resolution	6cp
77740	Research Paper	6cp
77767	Taxation Administration	6cp
77796	Taxation of Business Entities	6cp
77924	Superannuation and Retirement Planning	6cp
77867	Workplace Dispute Resolution	6cp
77734	Law and Medicine	6cp
77783	International Commercial Dispute Resolution	6cp
77901	Securities Markets Law	6cp
77930	Insurance Law	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
76005	Islamic Law	6cp
76039	Jessup International Moot	6cp
76047	Advanced Contracts	6cp
76901	Vis Arbitral Moot	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
76002	Sports Law	6cp
78021	Contemporary Issues in Constitutional Law	6cp
76900	Moot	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
76069	Community Justice Studies	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
79031	Employment and Industrial Law	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78210	Law and Literature	6cp
		Total 6cp

CBK90327 Major subjects choice (Law)

Select 12 credit points from the following options: 12cp

77746	Advanced Mediation	6cp
77945	Current Issues in Taxation	6cp
77752	Commercial Arbitration (Domestic)	6cp
79771	Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77704	European Union Law	6cp
77900	Goods and Services Tax	6cp
Select one of the following:		6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77953	International Taxation Law	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
77745	Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
77767	Taxation Administration	6cp
77796	Taxation of Business Entities	6cp
77924	Superannuation and Retirement Planning	6cp
77867	Workplace Dispute Resolution	6cp
78008	Law of the Sea	6cp
77938	Introduction to Taxation Law	6cp
		Total 12cp

CBK90329 Major choice

Select 24 credit points from the following options: 24cp

MAJ03420	Computer Control Engineering	24cp
MAJ03421	Energy Planning and Policy	24cp
MAJ03422	Local Government Engineering	24cp
MAJ03424	Manufacturing Engineering and Management	24cp
MAJ03425	Software Engineering	24cp
MAJ03426	Structural Engineering	24cp
MAJ03427	Telecommunication Networks	24cp
MAJ03428	Telecommunications Engineering	24cp
MAJ03429	Water Engineering	24cp
CBK90472	No specified major	24cp
MAJ03451	Integrated Logistic Support and Engineering Management	24cp
MAJ03453	Civil Engineering	24cp
MAJ03457	Value Chain Management	24cp
MAJ03458	Geotechnical Engineering	24cp
MAJ03462	Operations	24cp
MAJ03468	Systems Engineering	24cp
MAJ03465	Biomedical Engineering	24cp
		Total 24cp

CBK90330 Major choice

Select 48 credit points from the following options: 48cp

MAJ03430	Computer Control Engineering	48cp
MAJ03380	Energy Planning and Policy	48cp
MAJ03375	Local Government Engineering	48cp
MAJ03415	Manufacturing Engineering and Management	48cp
MAJ03379	Software Engineering	48cp
MAJ03378	Structural Engineering	48cp
MAJ03382	Telecommunications Engineering	48cp
MAJ03385	Telecommunication Networks	48cp
MAJ03372	Water Engineering	48cp
MAJ03431	Telecommunications Engineering and Telecommunication Networks	48cp
CBK90038	No specified major	48cp
MAJ03443	Local Government Engineering and Environmental Engineering	48cp
MAJ03452	Integrated Logistic Support and Engineering Management	48cp
MAJ03454	Civil Engineering	48cp
MAJ03456	Civil Engineering and Structural Engineering	48cp
MAJ03459	Civil and Geotechnical Engineering	48cp
MAJ03460	Geotechnical Engineering	48cp
MAJ03464	Operations	48cp
MAJ03467	Systems Engineering	48cp
MAJ03466	Biomedical Engineering	48cp
		Total 48cp

CBK90331 Subject choice (Group A)

Select 18 credit points from the following options: 18cp

49001	Judgment and Decision Making	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
		Total 18cp

CBK90332 Major choice

Select 30 credit points from the following options: 30cp

CBK90323	No specified major	30cp
MAJ09383	Commercial Law	30cp
MAJ09386	Dispute Resolution Law	30cp
MAJ09387	Information Technology Law	30cp
MAJ09384	Industrial and Intellectual Property Law	30cp
MAJ09385	Family Law	30cp
MAJ09382	International Law	30cp
MAJ09381	International Trade Law	30cp
		Total 30cp

CBK90333 Electives

Select 12 credit points from the following options: 12cp

32106	Agile Method Engineering	6cp
32120	Introduction to e-Business Technology	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32501	Computer Graphics	6cp
32513	Advanced Data Analytics Algorithms	6cp
32520	UNIX Systems Administration	6cp
32530	Building Intelligent Agents	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32547	UNIX Systems Programming	6cp
32550	Advances in Requirements Engineering	6cp
32208	Information Systems Strategy	6cp
32509	Interaction Design	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32516	Internet Programming	6cp
32525	Web Services Technologies and Applications	6cp
32531	Global Information Systems	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32541	Project Management	6cp
32549	Advanced Internet Programming	6cp
22797	Business Intelligence 1: Advanced Analysis	6cp
24331	Marketing Analytics and Decisions	6cp
25705	Financial Modelling and Forecasting	6cp
25741	Capital Markets	6cp
25834	Portfolio Analysis	6cp
35151	Introduction to Statistics	6cp
35252	Mathematical Statistics	6cp
35353	Regression Analysis	6cp
35457	Multivariate Statistics	6cp
49003	Economic Evaluation	6cp
49016	Technology and Innovation Management	6cp
95567	Digital Media in Social Context	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95568	Digital Sound and the Moving Image	6cp
32147	Introduction to IT Management	6cp
32146	Data Visualisation and Visual Analytics	6cp
32405	User-Centred Design Methods	6cp
32130	Fundamentals of Data Analytics	6cp
32148	Enterprise Computing	6cp
32998	.NET Application Development	6cp
32013	.NET Enterprise Development	6cp
		Total 12cp

CBK90334 Specialisation choice

Select 24 credit points from the following options: 24cp

STM90466	Human-centred Design	24cp
STM90467	Data Mining	24cp
STM90468	Software Engineering	24cp
STM90469	IT Management	24cp
STM90470	e-Business Technology	24cp
STM90472	Computer Graphics and Gaming	24cp
		Total 24cp

CBK90335 Electives

Select 18 credit points from the following options: 18cp

32106	Agile Method Engineering	6cp
32120	Introduction to e-Business Technology	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32501	Computer Graphics	6cp
32513	Advanced Data Analytics Algorithms	6cp
32520	UNIX Systems Administration	6cp
32530	Building Intelligent Agents	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32547	UNIX Systems Programming	6cp
32550	Advances in Requirements Engineering	6cp
32208	Information Systems Strategy	6cp
32509	Interaction Design	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32516	Internet Programming	6cp
32525	Web Services Technologies and Applications	6cp
32531	Global Information Systems	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32541	Project Management	6cp
32549	Advanced Internet Programming	6cp
22797	Business Intelligence 1: Advanced Analysis	6cp
24331	Marketing Analytics and Decisions	6cp
25705	Financial Modelling and Forecasting	6cp
25741	Capital Markets	6cp
25834	Portfolio Analysis	6cp
35151	Introduction to Statistics	6cp
35252	Mathematical Statistics	6cp
35353	Regression Analysis	6cp
35457	Multivariate Statistics	6cp
49003	Economic Evaluation	6cp
49016	Technology and Innovation Management	6cp
95567	Digital Media in Social Context	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95568	Digital Sound and the Moving Image	6cp
32147	Introduction to IT Management	6cp
32146	Data Visualisation and Visual Analytics	6cp
32148	Enterprise Computing	6cp
32934	Research Project	12cp
32405	User-Centred Design Methods	6cp
32130	Fundamentals of Data Analytics	6cp
32148	Enterprise Computing	6cp
32998	.NET Application Development	6cp
32013	.NET Enterprise Development	6cp
		Total 18cp

CBK90336 Specialisation choice

Select 30 credit points from the following options: 30cp

STM90473	Human-centred Design	30cp
STM90474	Data Mining	30cp
STM90475	Software Engineering	30cp
STM90476	IT Management	30cp
STM90477	e-Business Technology	30cp
STM90479	Computer Graphics and Gaming	30cp
		Total 30cp

CBK90338 Electives

Free choice of electives.

CBK90339 Electives (Adult Education)

Select 48 credit points from the following options: 48cp

013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013115	Professional Practice and Changing Work	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013967	e-Learning Design	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
013961	Team Communication in the Workplace	6cp
		Total 48cp

CBK90340 Subject choice (Adult Education)

Select 48 credit points from the following options: 48cp

015033	Programming for Community Learning	6cp
015189	Facilitating Learning	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
		Total 48cp

CBK90341 Electives (Adult Education)

Select 6 credit points from the following options: 6cp

013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013115	Professional Practice and Changing Work	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013967	e-Learning Design	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
013151	Project Management	6cp
		Total 6cp

CBK90342 Community choice

Select 24 credit points from the following options: 24cp

013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp

013103	Issues in Aboriginal Education	6cp
013115	Professional Practice and Changing Work	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013151	Project Management	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013972	Organisational Learning	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
		Total 24cp

CBK90345 Electives

Select 8 credit points from the following options: 8cp

57026	Strategic Communication and Negotiation	8cp
57182	Rethinking Media	8cp
57131	Inventive Media Advertising	8cp
57132	Media Relations	8cp
57995	Learning in Organisations	8cp
		Total 8cp

CBK90346 Master's option

Select 16 credit points from the following options: 16cp

STM90777	Master's option with project	16cp
STM90484	Master's option without project	16cp
		Total 16cp

CBK90347 Master's option with project

Free choice of electives.

CBK90348 Electives

Select 8 credit points from the following options: 8cp

57026	Strategic Communication and Negotiation	8cp
57131	Inventive Media Advertising	8cp
57132	Media Relations	8cp
57997	Professional Communication Project	8cp
57995	Learning in Organisations	8cp
		Total 8cp

CBK90350 Electives

Select 24 credit points from the following options: 24cp

57989	Mise-en-Scene	8cp
57046	Professional Editing	8cp
57053	Book Publishing and Marketing	8cp
57101	Advanced Screenwriting	8cp
57122	Short Fiction Workshop	8cp
57124	Novel Writing	8cp
57133	Writing Poetry	8cp
57031	Non-fiction Writing	8cp
57041	Narrative Writing	8cp
57014	Feature Writing	8cp
57142	Writing for the Screen	8cp
57144	Popular Fiction	8cp
57145	Freelance Writing	8cp
		Total 24cp

CBK90351 Writing stream choice

Select 16 credit points from the following options: 16cp

STM90360	Writing stream	16cp
		Total 16cp

CBK90352 Electives

Free choice of electives.

CBK90354 Major core subject choice

Select 6 credit points from the following options: 6cp

49261	Biomedical Instrumentation	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
		Total 6cp

CBK90355 Major core subject choice

Select 18 credit points from the following options: 18cp

49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49706	Regulatory Economics	6cp
49023	Energy and Environmental Economics	6cp
		Total 18cp

CBK90356 Major core subject choice

Select 6 credit points from the following options: 6cp

49202	Communication Protocols	6cp
49238	Telecommunication Networks Management	6cp
49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49249	Telecommunications Engineering Review	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
		Total 6cp

CBK90357 Major subject choice

Select 6 credit points from the following options: 6cp

49202	Communication Protocols	6cp
49238	Telecommunication Networks Management	6cp
49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
49215	Telecommunications Industry Management	6cp
49249	Telecommunications Engineering Review	6cp
49262	Web Technologies	6cp
32555	Fundamentals of Software Development	6cp
32570	Enterprise Software Architecture and Middleware	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
		Total 6cp

CBK90358 Major subject choice

Select 12 credit points from the following options: 12cp

49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49048	Wireless Networking Technologies	6cp
49201	Integrated Services Networks	6cp
49238	Telecommunication Networks Management	6cp
49249	Telecommunications Engineering Review	6cp
49223	Satellite Communication Systems	6cp
42890	4G Mobile Technologies	6cp
		Total 12cp

CBK90359 Core subject choice (Group A)

Select 18 credit points from the following options: 18cp

49049	Air and Noise Pollution	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49116	Contaminated Site and Waste Remediation	6cp
49257	Geographic Information Systems	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 18cp

CBK90360 Electives choice (Group B)

Select 6 credit points from the following options: 6cp

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49108	Local Government Powers and Practice	6cp
		Total 6cp

CBK90361 Software option

Select 18 credit points from the following options: 18cp

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
		Total 18cp

CBK90362 Digital Electronics option

Select 18 credit points from the following options: 18cp

48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
		Total 18cp

CBK90363 Embedded Systems option

Select 18 credit points from the following options: 18cp

48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
		Total 18cp

CBK90364 Signals option

Select 18 credit points from the following options: 18cp

48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
		Total 18cp

CBK90365 Networks option

Select 18 credit points from the following options: 18cp

48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
		Total 18cp

CBK90366 ICT choice

Select 18 credit points from the following options: 18cp

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
48730	Network Security	6cp
48750	Network Planning and Management	6cp
41900	Fundamentals of Security	6cp
31275	Mobile Networking	6cp
48436	Digital Forensics	6cp
		Total 18cp

CBK90367 ICT choice

Select 12 credit points from the following options: 12cp

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
48730	Network Security	6cp
48750	Network Planning and Management	6cp
41900	Fundamentals of Security	6cp
31275	Mobile Networking	6cp
48436	Digital Forensics	6cp
		Total 12cp

CBK90368 ICT choice

Select 6 credit points from the following options: 6cp

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
48730	Network Security	6cp
48750	Network Planning and Management	6cp
41900	Fundamentals of Security	6cp
31275	Mobile Networking	6cp
48436	Digital Forensics	6cp
		Total 6cp

CBK90369 Family Law subject choice

Select 8 credit points from the following options: 8cp

78128	Child Law in Australia	8cp
78130	Complex Parenting Disputes	8cp
78132	Complex Financial and Property Disputes (in Family Law)	8cp
78134	Current Issues in Family Law	8cp
78140	International and Comparative Family Law	8cp
78142	New Families, New Technologies	8cp
78139	Family Dispute Resolution	8cp
		Total 8cp

CBK90370 Dispute Resolution subject choice

Select 8 credit points from the following options: 8cp

78127	Advanced Mediation	8cp
78137	Facilitation	8cp
78139	Family Dispute Resolution	8cp
78143	Psychology and Dispute Resolution	8cp
78100	Postgraduate Legal Research	8cp
78171	Crisis Negotiation	8cp
78175	Negotiation	8cp
78174	Mediation Practice	8cp
78124	Dispute Resolution in Commerce	8cp
77800	International Commercial Dispute Resolution	8cp
		Total 8cp

CBK90371 Media Production

Select 8 credit points from the following options: 8cp

57173	Advanced Post Production	8cp
57175	Creative Producing	8cp
57176	Directing	8cp
57168	Sound and Interaction	8cp
57166	Documentary Production	8cp
57178	Digital and Multiplatform Storytelling	8cp
57179	Project Development and Creative Practice	8cp
		Total 8cp

CBK90372 Media Arts choice

Select 8 credit points from the following options: 8cp

57175	Creative Producing	8cp
57989	Mise-en-Scene	8cp
57061	Issues in Documentary	8cp
57176	Directing	8cp
57173	Advanced Post Production	8cp
57168	Sound and Interaction	8cp
57166	Documentary Production	8cp
57178	Digital and Multiplatform Storytelling	8cp
57179	Project Development and Creative Practice	8cp
		Total 8cp

CBK90373 Sub-major choice

Select 24 credit points from the following options: 24cp

SMJ01043	Business Information Systems Management	24cp
SMJ01044	Enterprise Systems Development	24cp
SMJ01045	Internetworking and Applications	24cp
SMJ01046	Computing and Data Analysis	24cp
		Total 24cp

CBK90376 Sub-major/Four electives

Select 24 credit points from the following options: 24cp

CBK90190	Electives	24cp
SMJ08203	Event Management	24cp
		Total 24cp

CBK90377 Property options (PG)

Select 12 credit points from the following options: 12cp

12515	Strategic Asset Management	6cp
15241	Urban Economics and Finance	6cp
17772	Commercial Retail Property Management	6cp
17703	Property Taxation	6cp
15315	Project Management Principles	6cp
17774	Green Building Evaluation	6cp
17553	Construction Cost Planning	6cp
171200	Conservation and Heritage	6cp
15313	Project Procurement and Risk Management	6cp
15324	Facility Obsolescence	6cp
15312	Communication and Critical Thinking	6cp
15222	Urban Design	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp
15301	Planning Theory and Decision Making	6cp
17704	Property Development Finance	6cp
15316	Project Management Knowledge Areas	6cp
17775	Land Acquisition Statutory Valuation and Litigation	6cp
12535	Development Feasibility and Valuation	6cp
		Total 12cp

CBK90378 Sub-major choice (SMD)

Select 24 credit points from the following options: 24cp

CBK90379	Creative Practice	24cp
SMJ10037	Composition	24cp
SMJ10038	Interaction Design	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90379 Creative Practice

Select 24 credit points from the following options: 24cp

50839	Sound for Time-based Media	6cp
50842	Electro-acoustic Composition	6cp
50843	Live Sound	6cp
50844	Musical Instrument Design	6cp
		Total 24cp

CBK90380 Electives (SMD)

Free choice of electives.

CBK90381 Elective choice (Finance)

Select 18 credit points from the following options: 18cp

25762	Derivatives and Risk Management	6cp
25796	Personal Wealth Management	6cp
25751	Financial Institution Management	6cp
25752	Financial Institution Lending	6cp
77947	Companies and Securities Law	6cp
25728	Bond Portfolio Management	6cp
25729	Applied Portfolio Management	6cp
25824	Project Finance	3cp
25807	Mergers and Acquisitions	3cp
25798	Ethics and Professional Standards in Finance	3cp
25782	Alternative Investments	6cp
25783	Behavioural Finance	3cp
		Total 18cp

CBK90382 Electives choice

Select 18 credit points from the following options: 18cp

21722	Leadership, Coaching and Mentoring	6cp
21854	Innovation and Entrepreneurship	6cp
21012	Governance and Sustainability	6cp
21008	Management Consulting	6cp
77942	Legal Aspects of Contracts Administration	6cp
CBK90387	Electives (Law/Business)	6cp
		Total 18cp

CBK90383 Options

Select 42 credit points from the following options: 42cp

76001	Comparative Law	6cp
76002	Sports Law	6cp
76003	Asian Law and Legal Systems	6cp
76005	Islamic Law	6cp
76007	International Human Rights Law	6cp
76008	Jurisprudence	6cp
76009	Introduction to Chinese Business Law	6cp
76010	Disability and the Law	6cp
76012	Criminology	6cp
76013	World Trade Law	6cp
76015	Labour Law	6cp
76016	Advanced Revenue Law	6cp
76019	Broadcasting and Telecommunications Regulation	6cp
76020	Entertainment Law	6cp
76021	Advanced Remedies	6cp
76022	Insurance Law	6cp
76023	Deceptive Trade Practices and Product Liability	6cp
76024	Environmental Law	6cp
76025	International Organisations	6cp
76027	Competition Law	6cp
76030	Genetics and the Law	6cp
76033	Animal Law and Policy in Australia	6cp
76034	Law of Slavery and Human Trafficking	6cp
76036	International Trade Law and the Environment	6cp
76037	Advanced Criminal Law	6cp
76038	Law and Mental Health	6cp
76039	Jessup International Moot	6cp
76040	Research Thesis	6cp
76041	Climate Law and Carbon Markets	6cp
76045	Medicine and Law	6cp
76047	Advanced Contracts	6cp
76048	Citizenship and Immigration Law	6cp
76052	Dispute Resolution Advocacy	6cp
76053	Industrial Law	6cp
76063	Media Law	6cp
76066	Children and the Law	6cp
76068	Indigenous Peoples and the Law	6cp
76069	Community Justice Studies	6cp
76070	Biomedical Law and Bioethics	6cp
76074	Australian Civil Liberties Law	6cp
76075	Contemporary Legal Studies 1	6cp
76076	Contemporary Legal Studies 2	6cp
76080	Finance Law	6cp
76081	Gender, Law and Sexuality	6cp
76112	Conflict of Laws	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
76516	Family Law	6cp
76517	Succession	6cp
76521	Intellectual Property and Traditional Knowledge	6cp
76703	Indigenous Peoples, the Environment and Property	6cp
76801	Exchange Subject 1	6cp
76802	Exchange Subject 2	6cp
76803	Exchange Subject 3	6cp
76804	Exchange Subject 4	6cp
76901	Vis Arbitral Moot	6cp
76902	Law and Literature	6cp
76903	International Commercial Transactions	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77740	Research Paper	6cp

77794	International Environmental Law	6cp
77901	Securities Markets Law	6cp
78008	Law of the Sea	6cp
78013	Refugee Law and Practice	6cp
78021	Contemporary Issues in Constitutional Law	6cp
78025	Intellectual Property: Law and Policy	6cp
78030	Criminal Sentencing Law	6cp
78039	Wickedness and Vice	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76043	Building and Construction Law	6cp
76056	Intellectual Property Commercialisation Overview	6cp
76904	Price International Media Law Moot	6cp
70108	Public International Law	6cp
		Total 42cp

CBK90384 Electives (Operations and Supply Chain Management)

Select 18 credit points from the following options: 18cp

21745	Service Operations Management	6cp
21811	Global Strategic Management	6cp
21832	Managing for Sustainability	6cp
21827	Change Management	6cp
22782	Business Process Integration with ERP	6cp
21854	Innovation and Entrepreneurship	6cp
77942	Legal Aspects of Contracts Administration	6cp
15315	Project Management Principles	6cp
35340	Quantitative Management Practice	6cp
21779	Management Skills	6cp
21877	Strategic Procurement	6cp
		Total 18cp

CBK90385 Electives (Operations and Supply Chain Management)

Select 42 credit points from the following options: 42cp

21745	Service Operations Management	6cp
21811	Global Strategic Management	6cp
21832	Managing for Sustainability	6cp
21827	Change Management	6cp
22782	Business Process Integration with ERP	6cp
21854	Innovation and Entrepreneurship	6cp
15315	Project Management Principles	6cp
77942	Legal Aspects of Contracts Administration	6cp
35340	Quantitative Management Practice	6cp
CBK90387	Electives (Law/Business)	6cp
21779	Management Skills	6cp
21877	Strategic Procurement	6cp
21815	Management Project	6cp
		Total 42cp

CBK90386 Electives (HRM)

Select 18 credit points from the following options: 18cp

77942	Legal Aspects of Contracts Administration	6cp
21741	Managing Operations	6cp
21854	Innovation and Entrepreneurship	6cp
21856	Career and Portfolio Development	6cp
21811	Global Strategic Management	6cp
21832	Managing for Sustainability	6cp
CBK90387	Electives (Law/Business)	6cp
		Total 18cp

CBK90387 Electives (Law/Business)

The electives chosen should comprise postgraduate subjects only.

Completion requirements

Free choice of electives.

CBK90388 Electives

Select 12 credit points from the following options: 12cp

92296	Epidemiology and Population Health	6cp
92297	Health Systems and Change	6cp
92606	Issues in Australian Health Services	6cp
92887	Organisational Management in Health Care	6cp
92050	Policy, Power and Politics in Health Care	6cp
		Total 12cp

CBK90390 Options

Free choice of electives.

CBK90391 Options

Select 48 credit points from the following options: 48cp

CBK90300	Electives (Law)	48cp
STM90793	Options	48cp
		Total 48cp

CBK90393 Electives (Nursing UG)

Free choice of electives.

CBK90394 Electives Nursing (UG)

Free choice of electives.

CBK90396 Electives

Select 12 credit points from the following options: 12cp

21720	Human Resource Management	6cp
26703	Introductory Health Economics	6cp
92932	Management for Clinicians	6cp
92947	Project Part B	6cp
21702	Industrial Relations	6cp
24734	Marketing Management	6cp
21760	Performance and Talent Management	6cp
21766	Managing Community Organisations	6cp
21717	International Management	6cp
92887	Organisational Management in Health Care	6cp
78104	Genetics and the Law	8cp
78150	Law and Mental Health	6cp
79708	Contemporary Business Law	6cp
78146	Dilemmas in Biomedical Law	8cp
78143	Psychology and Dispute Resolution	8cp
78144	Contemporary Issues in Health Law	8cp
77734	Law and Medicine	6cp
92022	Improving Quality and Safety in Health Care	6cp
92612	Research in Health	6cp
78105	Genetics and the Law	6cp
		Total 12cp

CBK90397 Electives

Select 12 credit points from the following options: 12cp

21702	Industrial Relations	6cp
21717	International Management	6cp
21760	Performance and Talent Management	6cp
21766	Managing Community Organisations	6cp
24734	Marketing Management	6cp
92612	Research in Health	6cp
92932	Management for Clinicians	6cp
92947	Project Part B	6cp
92022	Improving Quality and Safety in Health Care	6cp
77734	Law and Medicine	6cp
78144	Contemporary Issues in Health Law	8cp
78104	Genetics and the Law	8cp
78150	Law and Mental Health	6cp
79708	Contemporary Business Law	6cp
78146	Dilemmas in Biomedical Law	8cp
78143	Psychology and Dispute Resolution	8cp
21856	Career and Portfolio Development	6cp
21766	Managing Community Organisations	6cp
21778	Resource Mobilisation	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
15312	Communication and Critical Thinking	6cp
15313	Project Procurement and Risk Management	6cp
15316	Project Management Knowledge Areas	6cp
92790	Evidence-based Practice	6cp
		Total 12cp

CBK90398 Electives

Select 12 credit points from the following options: 12cp

21702	Industrial Relations	6cp
21717	International Management	6cp
21760	Performance and Talent Management	6cp
21766	Managing Community Organisations	6cp
24734	Marketing Management	6cp
92612	Research in Health	6cp
92932	Management for Clinicians	6cp
92947	Project Part B	6cp
		Total 12cp

CBK90399 Law options

Free choice of electives.

CBK90400 Options (Law)

Select 24 credit points from the following options: 24cp

CBK90924	Options	24cp
STM90560	Non-common Law stream	24cp
		Total 24cp

CBK90401 Design Practice subjects (PG)

Select 24 credit points from the following options: 24cp

CBK90403	Visual Communications options	24cp
CBK90404	Interior Design options	24cp
CBK90405	Industrial Design options	24cp
CBK90406	Fashion and Textiles options	24cp
		Total 24cp

CBK90402 Design Studies subjects (PG)

Select 24 credit points from the following options: 24cp

85500	Design Futures: Creative Technologies	6cp
85504	Design Futures: Sustainable Lifestyles	6cp
85505	Design Interventions: Making Theories	6cp
85506	Design Differences: Intercultural Asia	6cp
85509	Design Differences: Community Identities	6cp
85601	Design Futures: Business Innovation	6cp
85602	Interdisciplinary Design Lab: Undergraduate	6cp
85603	Interdisciplinary Design Experience: Undergraduate	6cp
85604	Reflective Practice	6cp
85701	Research Based Designing	6cp
		Total 24cp

CBK90403 Visual Communications options

Select 24 credit points from the following options: 24cp

87441	VC Studies: Contexts of Visual Communication	6cp
87335	VC Project: Sequence and Narrative	6cp
87445	VC Project: Visualising Experience	6cp
87443	VC Project: Typography in Context	6cp
87447	VC Technology: Motion Graphics	6cp
		Total 24cp

CBK90404 Interior Design options

Select 24 credit points from the following options: 24cp

86021	Interior Design History	6cp
86022	Sustainable Human Futures: Residential Environments	6cp
86023	Light, New Materials and Form	6cp
86024	Hospitality Environments	6cp
86025	Interior Elements and Design Detail	6cp
		Total 24cp

CBK90405 Industrial Design options

Select 24 credit points from the following options: 24cp

84120	Structure, Form and Material in Industrial Design	6cp
84121	Computer-aided Industrial Design	6cp
84123	Material Manipulation	6cp
84124	Sustainability and Design	6cp
84122	Ergonomics and Industrial Design	6cp
		Total 24cp

CBK90406 Fashion and Textiles options

Select 24 credit points from the following options: 24cp

83343	Fashion Design: Past to Present	6cp
83341	Fashion, Gender and Identity	6cp
83344	Fashion Communication: Drawing and Digital Media	6cp
		Total 24cp

CBK90407 Electives

Select 24 credit points from the following options: 24cp

SMJ08203	Event Management	24cp
		Total 24cp

CBK90408 Sub-major/Four electives

Select 24 credit points from the following options: 24cp

CBK90409	Electives	24cp
SMJ08203	Event Management	24cp
		Total 24cp

CBK90409 Electives

Select 24 credit points from the following options: 24cp

CBK90766	Electives (Tourism)	12cp
CBK90767	Electives	12cp
		Total 24cp

CBK90410 Electives

Select 24 credit points from the following options: 24cp

CBK90190	Electives	24cp
SMJ08203	Event Management	24cp
		Total 24cp

CBK90411 Options A

Select 24 credit points from the following options: 24cp

78110	Banking and Finance Law	8cp
78112	Securities Regulation	8cp
78102	LLM Project by Research	8cp
78103	Common Law Legal Traditions	8cp
78171	Crisis Negotiation	8cp
78100	Postgraduate Legal Research	8cp
78119	Commercial Arbitration (Domestic)	8cp
78121	Corporate Insolvency	8cp
78123	Deceptive Trade Practices	8cp
78124	Dispute Resolution in Commerce	8cp
78125	Corporate Governance	8cp
78127	Advanced Mediation	8cp
78128	Child Law in Australia	8cp
78130	Complex Parenting Disputes	8cp
78132	Complex Financial and Property Disputes (in Family Law)	8cp
78134	Current Issues in Family Law	8cp
78136	Dispute Resolution	8cp
78137	Facilitation	8cp
78139	Family Dispute Resolution	8cp
78142	New Families, New Technologies	8cp
78143	Psychology and Dispute Resolution	8cp
78144	Contemporary Issues in Health Law	8cp
78146	Dilemmas in Biomedical Law	8cp
78148	Law and Medicine	8cp
78149	Law and Mental Health	8cp
78151	Human Rights Law	8cp
78152	International Commercial Transactions	8cp
78154	International Criminal Law	8cp
78155	International Environmental Law: Policy and Implementation	8cp
78157	Private International Law	8cp
78163	Law and Regulation	8cp
78165	Media and Entertainment Law and Regulation	8cp
78172	Dispute Resolution in Civil Practice	8cp
78174	Mediation Practice	8cp
78175	Negotiation	8cp
78176	Workplace Dispute Resolution	8cp
78177	Converging Media Industries: Regulatory Challenges	8cp
78179	Telecommunications Law and Regulations	8cp
78118	Business and Law in China	8cp
78140	International and Comparative Family Law	8cp
78183	Global Aspects of Intellectual Property Law	8cp
78189	Intellectual Property Commercialisation	8cp
78185	Intellectual Property: Law and Policy	8cp
78187	Intellectual Property and Traditional Knowledge	8cp
78196	Insurance Law	8cp
78104	Genetics and the Law	8cp
78106	Climate Law and Carbon Markets	8cp
78202	International Development Law	8cp
78190	Patent Law	8cp
78191	Patent Systems	8cp
78192	Trade Marks Law	8cp
78193	Trade Marks Practice	8cp
78194	Designs Law and Practice	8cp
78195	Copyright Law	8cp
78207	International Organisations	8cp
78208	Taxation of Commercial Enterprises	8cp
78211	Law and Literature	8cp
78203	Communications and Intellectual Property Law Overview	8cp
78213	Communications and Technology: A Primer	8cp
78219	Animal Law and Policy in Australia	8cp
78223	Law of Slavery and Human Trafficking	8cp
78217	Competition Law in a Global Context	8cp

78228	Financial Services Law and Compliance in Australia	8cp
78224	International Trade Law and the Environment	8cp
78221	Commercial Equity	8cp
78215	Finance Law	8cp
78204	Legal Perspectives on the Internet	8cp
78231	Commercial Trade and Transport Law	8cp
78232	Mining Law and Regulation	8cp
78233	International Commercial Arbitration	8cp
78249	Privacy and Surveillance: Law and Policy	8cp
		Total 24cp

CBK90412 Options B

Select 24 credit points from the following options: 24cp

78110	Banking and Finance Law	8cp
78112	Securities Regulation	8cp
78102	LLM Project by Research	8cp
78103	Common Law Legal Traditions	8cp
78171	Crisis Negotiation	8cp
78172	Dispute Resolution in Civil Practice	8cp
78176	Workplace Dispute Resolution	8cp
78100	Postgraduate Legal Research	8cp
78118	Business and Law in China	8cp
78119	Commercial Arbitration (Domestic)	8cp
78121	Corporate Insolvency	8cp
78123	Deceptive Trade Practices	8cp
78124	Dispute Resolution in Commerce	8cp
78125	Corporate Governance	8cp
78127	Advanced Mediation	8cp
78128	Child Law in Australia	8cp
78130	Complex Parenting Disputes	8cp
78132	Complex Financial and Property Disputes (in Family Law)	8cp
78134	Current Issues in Family Law	8cp
78136	Dispute Resolution	8cp
78137	Facilitation	8cp
78139	Family Dispute Resolution	8cp
78142	New Families, New Technologies	8cp
78143	Psychology and Dispute Resolution	8cp
78144	Contemporary Issues in Health Law	8cp
78146	Dilemmas in Biomedical Law	8cp
78148	Law and Medicine	8cp
78149	Law and Mental Health	8cp
78151	Human Rights Law	8cp
78152	International Commercial Transactions	8cp
78154	International Criminal Law	8cp
78155	International Environmental Law: Policy and Implementation	8cp
78157	Private International Law	8cp
78163	Law and Regulation	8cp
78165	Media and Entertainment Law and Regulation	8cp
78174	Mediation Practice	8cp
78175	Negotiation	8cp
78177	Converging Media Industries: Regulatory Challenges	8cp
78179	Telecommunications Law and Regulations	8cp
78140	International and Comparative Family Law	8cp
78183	Global Aspects of Intellectual Property Law	8cp
78189	Intellectual Property Commercialisation	8cp
78185	Intellectual Property: Law and Policy	8cp
78187	Intellectual Property and Traditional Knowledge	8cp
78196	Insurance Law	8cp
78104	Genetics and the Law	8cp
78106	Climate Law and Carbon Markets	8cp
78202	International Development Law	8cp
78190	Patent Law	8cp
78191	Patent Systems	8cp
78192	Trade Marks Law	8cp
78193	Trade Marks Practice	8cp
78194	Designs Law and Practice	8cp
78195	Copyright Law	8cp
78207	International Organisations	8cp
78208	Taxation of Commercial Enterprises	8cp
78211	Law and Literature	8cp
78203	Communications and Intellectual Property Law Overview	8cp
78213	Communications and Technology: A Primer	8cp
78219	Animal Law and Policy in Australia	8cp
78223	Law of Slavery and Human Trafficking	8cp
78217	Competition Law in a Global Context	8cp
78228	Financial Services Law and Compliance in Australia	8cp
78224	International Trade Law and the Environment	8cp
78221	Commercial Equity	8cp
78215	Finance Law	8cp
78204	Legal Perspectives on the Internet	8cp
77800	International Commercial Dispute Resolution	8cp
78231	Commercial Trade and Transport Law	8cp
78232	Mining Law and Regulation	8cp
78233	International Commercial Arbitration	8cp
78249	Privacy and Surveillance: Law and Policy	8cp
		Total 24cp

CBK90413 Two sub-majors/Electives

Select 48 credit points from the following options: 48cp

SMJ02064	Business Information Systems Management	24cp
SMJ02065	Data Analytics	24cp
SMJ03036	Enterprise Systems Development	24cp
SMJ03037	Internetworking and Applications	24cp
SMJ08157	Business Accounting	24cp
SMJ09040	Introductory Economics	24cp
SMJ08159	Employment Relations	24cp
SMJ08160	International Management	24cp
SMJ01010	Electronics and Computer Interfacing	24cp
SMJ01012	Physics	24cp
SMJ01032	Statistical Modelling	24cp
SMJ02057	Scientific Computing	24cp
SMJ09034	International Studies	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08188	Accounting for Small Business	24cp
SMJ08198	Advertising Principles	24cp
SMJ08197	Marketing Principles	24cp
SMJ08196	Innovation	24cp
CBK90783	Electives	24cp
CBK90784	Electives	24cp
SMJ01026	Quantitative Management	24cp
SMJ10051	Network Security	24cp
		Total 48cp

CBK90414 Options (Language, Literacy and Numeracy major)

Select 18 credit points from the following options: 18cp

013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013124	Work and People	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013099	Individualised Project 1	6cp
013088	Educational Management	6cp
013976	Strategic Human Resource Development	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013151	Project Management	6cp
013097	Human Resource Development in Organisations	6cp
013972	Organisational Learning	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
015012	International Perspectives on Adult Education	6cp
		Total 18cp

CBK90415 Elective

Select 8 credit points from the following options: 8cp

57008	Digital Libraries and Collections	8cp
57084	Information Architecture and Design	8cp
57103	Knowledge Management Strategies	8cp
57146	Organising Information	8cp
57148	Discovering and Accessing Information	8cp
57152	Investigative Research in the Digital Environment	8cp
		Total 8cp

CBK90416 Master's option

Select 16 credit points from the following options: 16cp

57104	Information and Knowledge Management Project Part A	4cp
57105	Information and Knowledge Management Project Part B	12cp
57009	Information and Knowledge Management Project	16cp
STM90548	Master's option	16cp
		Total 16cp

CBK90417 Switzerland Language and Culture

Select 32 credit points from the following options: 32cp

CBK90483	French Language and Culture	32cp
CBK90485	German Language and Culture	32cp
CBK90418	Bilingual Language and Culture (Switzerland)	32cp
CBK90486	Italian Language and Culture	32cp
		Total 32cp

CBK90418 Bilingual Language and Culture (Switzerland)

Select 32 credit points from the following options: 32cp

CBK90492	German Language and Culture	16cp
CBK90490	French Language and Culture	16cp
CBK90493	Italian Language and Culture	16cp
		Total 32cp

CBK90419 Options

Select 24 credit points from the following options: 24cp

CBK90421	Options C	24cp
MAJ09403	Corporate and Commercial Law	24cp
MAJ09405	International Law	24cp
MAJ09406	Intellectual Property	24cp
MAJ09411	Global Business Law	24cp
MAJ09426	Dispute Resolution	24cp
		Total 24cp

CBK90420 Options

Select 6 credit points from the following options: 6cp

78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78141	International and Comparative Family Law	6cp
78041	New Families, New Technologies	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77792	Crisis Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
78029	Mediation Practice	6cp
78138	Facilitation	6cp
78101	Postgraduate Legal Research	6cp
		Total 6cp

CBK90421 Options C

Select 24 credit points from the following options: 24cp

77930	Insurance Law	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78181	Deceptive Trade Practices	6cp
77745	Negotiation	6cp
77761	Dispute Resolution in Commerce	6cp
77734	Law and Medicine	6cp
78147	Dilemmas in Biomedical Law	6cp
78105	Genetics and the Law	6cp
78145	Contemporary Issues in Health Law	6cp
78150	Law and Mental Health	6cp
78184	Intellectual Property: Law and Policy	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77903	Copyright Law	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78188	Intellectual Property Commercialisation	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78010	International Criminal Law	6cp
78158	Private International Law	6cp
78201	International Development Law	6cp
78164	Law and Regulation	6cp
77746	Advanced Mediation	6cp
77760	Family Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
78029	Mediation Practice	6cp
78138	Facilitation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78026	Business and Law in China	6cp
78101	Postgraduate Legal Research	6cp
78173	Dispute Resolution in Civil Practice	6cp
77867	Workplace Dispute Resolution	6cp
78107	Climate Law and Carbon Markets	6cp
78182	Human Rights Law	6cp
78156	International Environmental Law: Policy and Implementation	6cp
77850	Psychology and Dispute Resolution	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78210	Law and Literature	6cp
78129	Child Law in Australia	6cp
79771	Dispute Resolution	6cp
78153	International Commercial Transactions	6cp
77752	Commercial Arbitration (Domestic)	6cp
77891	Patent Systems	6cp
78222	Law of Slavery and Human Trafficking	6cp
78216	Competition Law in a Global Context	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78220	Commercial Equity	6cp
78214	Finance Law	6cp
78212	Communications and Technology: A Primer	6cp
78023	International Trade Law and the Environment	6cp
76050	Commercial Trade and Transport Law	6cp
76055	Mining Law and Regulation	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77740	Research Paper	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77976	World Trade Organisation Law and Practice	6cp
78042	Environmental Planning and Development Law	6cp
78229	Disability and the Law	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp
78242	Property Rights and the Environment	6cp
78243	Advanced Trusts Law	6cp
78244	Mergers and Acquisitions Law	6cp
78245	Public Health Law	6cp
78246	Work Law	6cp
78247	Collaborative Law	6cp
78248	Privacy and Surveillance: Law and Policy	6cp
78296	Postgraduate Exchange Subject 1	6cp
78297	Postgraduate Exchange Subject 2	6cp
78298	Postgraduate Exchange Subject 3	6cp
78299	Postgraduate Exchange Subject 4	6cp
77701	International Economic Law (PG)	6cp
78016	International Humanitarian Law	6cp
		Total 24cp

CBK90422 Dispute Resolution choice

Select 6 credit points from the following options: 6cp

77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77792	Crisis Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
78029	Mediation Practice	6cp
78138	Facilitation	6cp
		Total 6cp

CBK90423 Family Law choice

Select 6 credit points from the following options: 6cp

78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78141	International and Comparative Family Law	6cp
78041	New Families, New Technologies	6cp
77760	Family Dispute Resolution	6cp
		Total 6cp

CBK90424 Options

Select 12 credit points from the following options: 12cp

25849	Financial Risk Management	6cp
25850	Credit Risk	6cp
25851	Mathematical Finance	6cp
25857	Interest Rate Modelling	6cp
		Total 12cp

CBK90425 Electives

Select 12 credit points from the following options: 12cp

92603	Managing Quality, Risk and Cost in Health Care	6cp
92604	Mental Health Assessment	6cp
92605	Therapeutic Interventions in Mental Health Care 2	6cp
92607	Education for Practice Development	6cp
92721	Health Promotion and Health Education	6cp
92847	Planning and Evaluating Health Services	6cp
92848	Facilitation of Clinical Learning	6cp
92876	Therapeutic Interventions in Mental Health Care	6cp
92887	Organisational Management in Health Care	6cp
92917	Using Health Care Data for Decision Making	6cp
92920	Neuroscience: Trauma and Cerebrovascular	6cp
92921	Neuroscience: Degenerative and Oncological	6cp
92932	Management for Clinicians	6cp
92296	Epidemiology and Population Health	6cp
92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp
92050	Policy, Power and Politics in Health Care	6cp
92295	Advanced Health Services Planning	6cp
		Total 12cp

CBK90433 Communication Studies choice

Select 6 credit points from the following options: 6cp

013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
		Total 6cp

CBK90435 Human Resource Development choice

Select 18 credit points from the following options: 18cp

013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013088	Educational Management	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013115	Professional Practice and Changing Work	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013958	Language Teaching Methodology	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013971	Teaching and Learning Numeracy	6cp
013975	Designing and Developing Simulations and Games	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
		Total 18cp

CBK90436 Sub-major choice

Select 24 credit points from the following options: 24cp

SMJ02044	Mobile Computing	24cp
SMJ02045	Applications Development	24cp
SMJ02047	IT Management	24cp
SMJ02039	Computer Graphics and Animation	24cp
SMJ02040	Software Engineering	24cp
SMJ08163	Internet Business Technology	24cp
SMJ02043	Internetworking	24cp
		Total 24cp

CBK90437 Options/PLT

Select 24 credit points from the following options: 24cp

STM90102	Practical Legal Training stream	24cp
STM90510	Alternative to PLT	24cp
		Total 24cp

CBK90438 Elective

Select 36 credit points from the following options: 36cp

021702	ICT in Primary Education: Current Issues and Applications	6cp
023505	Educational Research	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026702	Music and Society	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024411	English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare	6cp
022203	HSIE Study 2: Conflicts and Resolutions	6cp
026412	Music Study 2	6cp
027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
020705	Educational Drama	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
021412	Educational Computing Study 2	6cp
029410	International Study	24cp
023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
022602	Independent Study	6cp

013218	Studio Practice: Painting	6cp
013219	Studio Practice: Ceramics	6cp
023412	Education Study 2: Value	6cp
010050	Student Welfare: Implications for Teaching and Learning	6cp
010051	Beginning Teaching: Surviving and Thriving	6cp
027412	Personal Development Health and Physical Education: Teachers and Physical Activity	6cp
024412	English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama	6cp
024413	English Study 3: The Literature of Protest	6cp
024424	Children's Theatre and Creative Arts 4: Staging Performances	6cp
024421	Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing	6cp
028414	Science and Technology Study 4: Planet Earth	6cp
026411	Music Study 1	6cp
028411	Science and Technology Study 1: The Human Body	6cp
022603	Teaching Across the Curriculum	6cp
010052	Environmental Sustainability Education	6cp
		Total 36cp

CBK90443 Major choice

Select 24 credit points from the following options: 24cp

MAJ03416	Environmental Engineering	24cp
MAJ03432	Software Engineering	24cp
MAJ03433	Structural Engineering	24cp
MAJ03434	Telecommunication Networks	24cp
MAJ03435	Telecommunications Engineering	24cp
MAJ03436	Water Engineering	24cp
MAJ03438	Computer Control Engineering	24cp
MAJ03439	Energy Planning and Policy	24cp
MAJ03440	Local Government Engineering	24cp
MAJ03442	Manufacturing Engineering and Management	24cp
MAJ08860	Engineering Management	24cp
CBK90473	No specified major	24cp
MAJ03455	Civil Engineering	24cp
MAJ03461	Geotechnical Engineering	24cp
MAJ03463	Operations	24cp
MAJ03469	Systems Engineering	24cp
MAJ03465	Biomedical Engineering	24cp
		Total 24cp

CBK90444 Electives

Select 8 credit points from the following options: 8cp

57023	Communicating with Publics	8cp
57022	Foundations of Communication	8cp
57035	Organisational Change and Communication	8cp
57087	Knowledge Management and the Organisation	8cp
57012	Regulation of the Media	8cp
57013	Journalism Studies	8cp
		Total 8cp

CBK90445 Electives

Free choice of electives.

CBK90446 Electives

Free choice of electives.

CBK90447 Project options (MAP)

Free choice of electives.

CBK90448 Electives

Free choice of electives.

CBK90450 Electives

Free choice of electives.

CBK90451 Professional choice: Public Communication

Select 32 credit points from the following options: 32cp

STM90362	Advertising stream	32cp
STM90363	Public Relations stream	32cp
		Total 32cp

CBK90452 Electives

Select 42 credit points from the following options: 42cp

32012	Internet Quality of Service (QoS)	6cp
32550	Advances in Requirements Engineering	6cp
32902	Recent Advances in Information Systems	6cp
35340	Quantitative Management Practice	6cp
35353	Regression Analysis	6cp
35383	High Performance Computing	6cp
32901	Recent Advances in Computer Systems	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32039	Recent Advances in Software Engineering	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
95569	Digital Media Project	12cp
32525	Web Services Technologies and Applications	6cp
32148	Enterprise Computing	6cp
32998	.NET Application Development	6cp
32013	.NET Enterprise Development	6cp
32209	Advanced Topics in Computer Networks	6cp
32513	Advanced Data Analytics Algorithms	6cp
32541	Project Management	6cp
		Total 42cp

CBK90453 Electives

Select 48 credit points from the following options: 48cp

32012	Internet Quality of Service (QoS)	6cp
32550	Advances in Requirements Engineering	6cp
32902	Recent Advances in Information Systems	6cp
35340	Quantitative Management Practice	6cp
35353	Regression Analysis	6cp
35383	High Performance Computing	6cp
32901	Recent Advances in Computer Systems	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32039	Recent Advances in Software Engineering	6cp
32603	Systems Quality Management	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
95569	Digital Media Project	12cp
32525	Web Services Technologies and Applications	6cp
32148	Enterprise Computing	6cp
32210	Computer Vision and Image Processing	6cp
32998	.NET Application Development	6cp
32013	.NET Enterprise Development	6cp
32209	Advanced Topics in Computer Networks	6cp
32513	Advanced Data Analytics Algorithms	6cp
32541	Project Management	6cp
		Total 48cp

CBK90454 Innovation choice

Select 18 credit points from the following options: 18cp

24108	Marketing Foundations	6cp
21227	Innovation and Entrepreneurship	6cp
22107	Accounting for Business Decisions A	6cp
25300	Fundamentals of Business Finance	6cp
79006	Intellectual Property Commercialisation	6cp
		Total 18cp

CBK90460 Engineering choice

Select 60 credit points from the following options: 60cp

48024	Applications Programming	6cp
48430	Embedded C	6cp
48433	Software Architecture	6cp
48434	Embedded Software	6cp
48440	Software Engineering Practice	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp

48780	Mobile Communications	6cp
48410	Introduction to ICT Engineering	6cp
48441	Introductory Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48541	Signal Theory	6cp
48720	Network Fundamentals	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48320	Surveying	6cp
48321	Engineering Mechanics	6cp
48340	Construction	6cp
48331	Mechanics of Solids	6cp
48840	Water Supply and Wastewater Engineering	6cp
48641	Fluid Mechanics	6cp
48330	Soil Behaviour	6cp
48352	Construction Materials	6cp
48850	Environmental Planning and Law	6cp
48821	Ecological Engineering	6cp
65111	Chemistry 1	6cp
60101	Chemistry and Materials Science	6cp
48349	Structural Analysis	6cp
48353	Concrete Design	6cp
48350	Environmental and Sanitation Engineering	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48621	Manufacturing Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48640	Machine Dynamics	6cp
48642	Strength of Engineering Materials	6cp
48651	Thermodynamics	6cp
48531	Electromechanical Automation	6cp
48650	Mechanical Design 2	6cp
48520	Electronics and Circuits	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
48540	Signals and Systems	6cp
48550	Renewable Energy Systems	6cp
48551	Analog Electronics	6cp
41900	Fundamentals of Security	6cp
		Total 60cp

CBK90462 Electives

Select 12 credit points from the following options: 12cp

020705	Educational Drama	6cp
021412	Educational Computing Study 2	6cp
021702	ICT in Primary Education: Current Issues and Applications	6cp
022203	HSIE Study 2: Conflicts and Resolutions	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
022601	Learning Beyond the Classroom	6cp
022603	Teaching Across the Curriculum	6cp
023505	Educational Research	6cp
024411	English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
024705	Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books	6cp
024713	Teaching English to International Students	6cp
026412	Music Study 2	6cp
026702	Music and Society	6cp
027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
022602	Independent Study	6cp
020411	Art Study 1: People in Art	6cp
020414	Art Study 4: Design and Power	6cp
022210	HSIE Study 4: Family History in its Social Context	6cp
023200	HSIE Study 1: Social Issues and Social Action	6cp
024412	English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama	6cp
024413	English Study 3: The Literature of Protest	6cp
024421	Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing	6cp
026411	Music Study 1	6cp
027412	Personal Development Health and Physical Education: Teachers and Physical Activity	6cp
027413	Specialisation Study 3: Issues in Personal Development, Health and Physical Education	6cp
028411	Science and Technology Study 1: The Human Body	6cp
028414	Science and Technology Study 4: Planet Earth	6cp
010050	Student Welfare: Implications for Teaching and Learning	6cp
010051	Beginning Teaching: Surviving and Thriving	6cp
013218	Studio Practice: Painting	6cp
013219	Studio Practice: Ceramics	6cp
		Total 12cp

CBK90463 Animation Project choice

Select 24 credit points from the following options: 24cp

89990	Animation Project	24cp
89991	Animation Project A	12cp
89992	Animation Project B	12cp
		Total 24cp

CBK90464 Animation subjects choice

Select 18 credit points from the following options: 18cp

32003	Computer Game Design	6cp
32501	Computer Graphics	6cp
32510	Principles of Object-oriented Programming in C++	6cp
89204	2D Digital Animation	6cp
89203	3D Digital Animation 2	6cp
89202	3D Digital Animation 1	6cp
57171	Writing for the Screen	6cp
57170	Sound and Interaction	6cp
57169	Moving Image	6cp
89205	Design for Three-Dimensional Computer Animation	6cp
57999	Digital and Multiplatform Storytelling	6cp
		Total 18cp

CBK90465 Internetworking choice

Select 18 credit points from the following options: 18cp

32001	Mobile Commerce Technologies	6cp
32009	Advanced Routing Principles	6cp
32010	Wide Area Network Implementation	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32012	Internet Quality of Service (QoS)	6cp
32118	Mobile Communications and Computing	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp

32527	Internetwork Design	6cp
32528	Network Management	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32702	Contemporary Telecommunications	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95567	Digital Media in Social Context	6cp
32509	Interaction Design	6cp
32209	Advanced Topics in Computer Networks	6cp
32552	IP Telephony and Voice over IP	6cp
32013	.NET Enterprise Development	6cp
32541	Project Management	6cp
32998	.NET Application Development	6cp
32309	Digital Forensics	6cp
32310	Network Security Appliances	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
32547	UNIX Systems Programming	6cp
32516	Internet Programming	6cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 18cp

CBK90466 Electives

Select 42 credit points from the following options: 42cp

32535	Database in Distributed Environments	6cp
32531	Global Information Systems	6cp
32208	Information Systems Strategy	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32536	Advanced Software Modelling	6cp
32106	Agile Method Engineering	6cp
32541	Project Management	6cp
32902	Recent Advances in Information Systems	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32501	Computer Graphics	6cp
32509	Interaction Design	6cp
32549	Advanced Internet Programming	6cp
32527	Internetwork Design	6cp
32516	Internet Programming	6cp
32525	Web Services Technologies and Applications	6cp
32547	UNIX Systems Programming	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32702	Contemporary Telecommunications	6cp
32120	Introduction to e-Business Technology	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32004	Game Programming	6cp
32003	Computer Game Design	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32550	Advances in Requirements Engineering	6cp
32118	Mobile Communications and Computing	6cp
32520	UNIX Systems Administration	6cp
32548	Network Security	6cp
32148	Enterprise Computing	6cp
32998	.NET Application Development	6cp
32013	.NET Enterprise Development	6cp
32209	Advanced Topics in Computer Networks	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 42cp

CBK90468 Engineering choice

Select 84 credit points from the following options: 84cp

STM90670	Civil stream	84cp
STM90671	Civil and Environmental stream	84cp
STM90672	Electrical stream	84cp
STM90673	ICT stream	84cp
STM90674	Mechanical stream	84cp
STM90675	Mechanical and Mechatronic stream	84cp
		Total 84cp

CBK90471 Innovation choice

Select 12 credit points from the following options: 12cp

24108	Marketing Foundations	6cp
21511	Global Operations and Supply Chain Management	6cp
21227	Innovation and Entrepreneurship	6cp
22107	Accounting for Business Decisions A	6cp
25300	Fundamentals of Business Finance	6cp
79006	Intellectual Property Commercialisation	6cp
		Total 12cp

CBK90472 No specified major

This study package allows candidates to tailor their own program of study in various ways such as:

- combining technical subjects from two or more major areas
- combining fewer than the required minimum number of technical major subjects and a number of engineering management subjects
- combining any postgraduate engineering subjects in a coherent and logical form based around some type of theme.

A program of subjects is normally identified prior to enrolment, in consultation with one or more academic members of staff, and approved by the Director of PG coursework programs.

Completion requirements

Select 24 credit points from the following options: 24cp

32005	Strategic Leadership for Innovation	6cp
32009	Advanced Routing Principles	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32118	Mobile Communications and Computing	6cp
32144	Technology Research Preparation	6cp
32310	Network Security Appliances	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32541	Project Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32552	IP Telephony and Voice over IP	6cp
32553	Leadership and People Management	6cp
32555	Fundamentals of Software Development	6cp
32557	Enabling Enterprise Information Systems	6cp
32562	Strategic Business Management	6cp
32563	IT Professional and Society	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32603	Systems Quality Management	6cp
32606	Database	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42904	Cloud Computing and Software as a Service	6cp
42905	Marketing Technology	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp

49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49306	Quality and Operations Management Systems	6cp
49307	Internal Combustion Engines	6cp
49309	Quality Planning and Analysis	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49706	Regulatory Economics	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 24cp

CBK90473 No specified major

This study package allows candidates to tailor their own program of study in various ways such as:

- combining technical subjects from two or more major areas
- combining fewer than the required minimum number of technical major subjects and a number of engineering management subjects
- combining any postgraduate and/or approved undergraduate engineering subjects and/or approved subjects from other UTS faculties or other engineering faculties from other academic institutions in a coherent and logical form based around some type of theme.

A program of subjects is normally identified prior to enrolment, in consultation with one or more academic members of staff, and approved by the Director of PG coursework programs.

This study package also requires the completion of a graduate project which is also consistent with the 'theme' alluded to in the text above.

Completion requirements

Select 24 credit points from the following options: 24cp

32005	Strategic Leadership for Innovation	6cp
32009	Advanced Routing Principles	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32118	Mobile Communications and Computing	6cp
32144	Technology Research Preparation	6cp
32310	Network Security Appliances	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32541	Project Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32552	IP Telephony and Voice over IP	6cp
32553	Leadership and People Management	6cp
32555	Fundamentals of Software Development	6cp
32557	Enabling Enterprise Information Systems	6cp
32562	Strategic Business Management	6cp
32563	IT Professional and Society	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32603	Systems Quality Management	6cp
32606	Database	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42905	Marketing Technology	6cp
42904	Cloud Computing and Software as a Service	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp

49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
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49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
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49255	Catchment Modelling	6cp
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49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
49678	Reliability Availability and Maintainability	6cp
49706	Regulatory Economics	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 24cp

CBK90474 Elective

Free choice of electives.

CBK90476 Internetworking choice

Select 6 credit points from the following options: 6cp

32001	Mobile Commerce Technologies	6cp
32521	WANS and VLANS	6cp
32702	Contemporary Telecommunications	6cp
		Total 6cp

CBK90477 Internetworking choice

Select 24 credit points from the following options: 24cp

42990	Organisational Design for the Knowledge Era	6cp
		Total 24cp

CBK90478 Computer Control choice

Select 12 credit points from the following options: 12cp

49261	Biomedical Instrumentation	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49227	Wireless Sensor Networks	6cp
		Total 12cp

CBK90479 Computer Systems choice

Select 6 credit points from the following options: 6cp

49261	Biomedical Instrumentation	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
		Total 6cp

CBK90480 Chinese Language and Culture

Select 32 credit points from the following options: 32cp

97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp
		Total 32cp

CBK90481 Japanese Language and Culture

Select 32 credit points from the following options: 32cp

97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97203	Japanese Language and Culture 3	8cp
97204	Japanese Language and Culture 4	8cp
97205	Japanese Language and Culture 5	8cp
97206	Japanese Language and Culture 6	8cp
97207	Japanese Films and Popular Culture	8cp
97208	Japanese Language and Identity	8cp
97209	Japanese Media and Current Issues	8cp
97210	Transcultural Communication in Japanese	8cp
		Total 32cp

CBK90483 French Language and Culture

Select 32 credit points from the following options: 32cp

97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97403	French Language and Culture 3	8cp
97404	French Language and Culture 4	8cp
97405	French Language and Culture 5	8cp
97406	French Language and Culture 6	8cp
97407	Francophone Identities in Conflict	8cp
97408	Show and Tell: Francophone Cultures on Display	8cp
97409	Francophone Cultures of Consumption	8cp
97410	Places and Spaces of the Francophone World	8cp

Total 32cp

CBK90484 Spanish Language and Culture

Select 32 credit points from the following options: 32cp

97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
97503	Spanish Language and Culture 3	8cp
97504	Spanish Language and Culture 4	8cp
97505	Spanish Language and Culture 5	8cp
97506	Spanish Language and Culture 6	8cp
97507	Spanish Language and Culture 7	8cp
97508	Spanish Language and Culture 8	8cp
97509	Spanish Language and Culture 9	8cp
97510	Spanish Language and Culture 10	8cp

Total 32cp

CBK90485 German Language and Culture

Select 32 credit points from the following options: 32cp

97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97603	German Language and Culture 3	8cp
97604	German Language and Culture 4	8cp
97605	German Language and Culture 5	8cp
97606	German Language and Culture 6	8cp
97607	German Language and Culture 7	8cp
97608	German Language and Culture 8	8cp
97609	German Language and Culture 9	8cp
97610	German Language and Culture 10	8cp

Total 32cp

CBK90486 Italian Language and Culture

Select 32 credit points from the following options: 32cp

97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97803	Italian Language and Culture 3	8cp
97804	Italian Language and Culture 4	8cp
97805	Italian Language and Culture 5	8cp
97806	Italian Language and Culture 6	8cp
97807	Italian Language and Culture 7	8cp
97808	Italian Language and Culture 8	8cp
97809	Italian Language and Culture 9	8cp
97810	Italian Language and Culture 10	8cp

Total 32cp

CBK90487 Chinese Language and Culture

Select 16 credit points from the following options: 16cp

97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp

Total 16cp

CBK90488 Japanese Language and Culture

Select 16 credit points from the following options: 16cp

97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97203	Japanese Language and Culture 3	8cp
97204	Japanese Language and Culture 4	8cp
97205	Japanese Language and Culture 5	8cp
97206	Japanese Language and Culture 6	8cp
97207	Japanese Films and Popular Culture	8cp
97208	Japanese Language and Identity	8cp
97209	Japanese Media and Current Issues	8cp
97210	Transcultural Communication in Japanese	8cp

Total 16cp

CBK90490 French Language and Culture

Select 16 credit points from the following options: 16cp

97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97403	French Language and Culture 3	8cp
97404	French Language and Culture 4	8cp
97405	French Language and Culture 5	8cp
97406	French Language and Culture 6	8cp
97407	Francophone Identities in Conflict	8cp
97408	Show and Tell: Francophone Cultures on Display	8cp
97409	Francophone Cultures of Consumption	8cp
97410	Places and Spaces of the Francophone World	8cp

Total 16cp

CBK90491 Spanish Language and Culture

Select 16 credit points from the following options: 16cp

97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
97503	Spanish Language and Culture 3	8cp
97504	Spanish Language and Culture 4	8cp
97505	Spanish Language and Culture 5	8cp
97506	Spanish Language and Culture 6	8cp
97507	Spanish Language and Culture 7	8cp
97508	Spanish Language and Culture 8	8cp
97509	Spanish Language and Culture 9	8cp
97510	Spanish Language and Culture 10	8cp

Total 16cp

CBK90492 German Language and Culture

Select 16 credit points from the following options: 16cp

97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97603	German Language and Culture 3	8cp
97604	German Language and Culture 4	8cp
97605	German Language and Culture 5	8cp
97606	German Language and Culture 6	8cp
97607	German Language and Culture 7	8cp
97608	German Language and Culture 8	8cp
97609	German Language and Culture 9	8cp
97610	German Language and Culture 10	8cp

Total 16cp

CBK90493 Italian Language and Culture

Select 16 credit points from the following options: 16cp

97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97803	Italian Language and Culture 3	8cp
97804	Italian Language and Culture 4	8cp
97805	Italian Language and Culture 5	8cp
97806	Italian Language and Culture 6	8cp
97807	Italian Language and Culture 7	8cp
97808	Italian Language and Culture 8	8cp
97809	Italian Language and Culture 9	8cp
97810	Italian Language and Culture 10	8cp

Total 16cp

CBK90494 Chinese Language and Culture

Select 24 credit points from the following options: 24cp

97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp

Total 24cp

CBK90495 Japanese Language and Culture

Select 24 credit points from the following options: 24cp

97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97203	Japanese Language and Culture 3	8cp
97204	Japanese Language and Culture 4	8cp
97205	Japanese Language and Culture 5	8cp
97206	Japanese Language and Culture 6	8cp
97207	Japanese Films and Popular Culture	8cp
97208	Japanese Language and Identity	8cp
97209	Japanese Media and Current Issues	8cp
97210	Transcultural Communication in Japanese	8cp
		Total 24cp

CBK90497 French Language and Culture

Select 24 credit points from the following options: 24cp

97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97403	French Language and Culture 3	8cp
97404	French Language and Culture 4	8cp
97405	French Language and Culture 5	8cp
97406	French Language and Culture 6	8cp
97407	Francophone Identities in Conflict	8cp
97408	Show and Tell: Francophone Cultures on Display	8cp
97409	Francophone Cultures of Consumption	8cp
97410	Places and Spaces of the Francophone World	8cp
		Total 24cp

CBK90498 Spanish Language and Culture

Select 24 credit points from the following options: 24cp

97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
97503	Spanish Language and Culture 3	8cp
97504	Spanish Language and Culture 4	8cp
97505	Spanish Language and Culture 5	8cp
97506	Spanish Language and Culture 6	8cp
97507	Spanish Language and Culture 7	8cp
97508	Spanish Language and Culture 8	8cp
97509	Spanish Language and Culture 9	8cp
97510	Spanish Language and Culture 10	8cp
		Total 24cp

CBK90499 German Language and Culture

Select 24 credit points from the following options: 24cp

97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97603	German Language and Culture 3	8cp
97604	German Language and Culture 4	8cp
97605	German Language and Culture 5	8cp
97606	German Language and Culture 6	8cp
97607	German Language and Culture 7	8cp
97608	German Language and Culture 8	8cp
97609	German Language and Culture 9	8cp
97610	German Language and Culture 10	8cp
		Total 24cp

CBK90500 Italian Language and Culture

Select 24 credit points from the following options: 24cp

97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97803	Italian Language and Culture 3	8cp
97804	Italian Language and Culture 4	8cp
97805	Italian Language and Culture 5	8cp
97806	Italian Language and Culture 6	8cp
97807	Italian Language and Culture 7	8cp
97808	Italian Language and Culture 8	8cp
97809	Italian Language and Culture 9	8cp
97810	Italian Language and Culture 10	8cp
		Total 24cp

CBK90501 Major choice (Legal Studies)

Select 30 credit points from the following options: 30cp

CBK90503	No specified major	30cp
MAJ09388	Commercial Law	30cp
MAJ09320	Dispute Resolution	30cp
MAJ09322	International Law	30cp
MAJ09323	Information Technology Law	30cp
MAJ09363	Industrial and Intellectual Property Law	30cp
MAJ09389	International Trade Law	30cp
MAJ09367	Family Law	30cp
		Total 30cp

CBK90503 No specified major

Select 30 credit points from the following options: 30cp

77701	International Economic Law (PG)	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77767	Taxation Administration	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77794	International Environmental Law	6cp
77796	Taxation of Business Entities	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77900	Goods and Services Tax	6cp
77901	Securities Markets Law	6cp
77903	Copyright Law	6cp
77924	Superannuation and Retirement Planning	6cp
77945	Current Issues in Taxation	6cp
77953	International Taxation Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
79771	Dispute Resolution	6cp
STM90111	Research project (Law PG)	12cp
CBK90522	Electives (Legal Studies)	12cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78039	Wickedness and Vice	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
78041	New Families, New Technologies	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp

78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
		Total 30cp

CBK90504 New Media choice

Free choice of electives.

CBK90505 Media Production choice

Select 16 credit points from the following options: 16cp

50001	Online Documentary	8cp
57109	Film Animation	8cp
		Total 16cp

CBK90506 Media Arts and Production choice

Select 48 credit points from the following options: 48cp

STM90093	Film and Video stream	48cp
STM90095	Sound stream	48cp
STM90094	New Media stream	48cp
		Total 48cp

CBK90507 Options (Law)

Select 24 credit points from the following options: 24cp

76047	Advanced Contracts	6cp
76016	Advanced Revenue Law	6cp
76003	Asian Law and Legal Systems	6cp
76074	Australian Civil Liberties Law	6cp
76070	Biomedical Law and Bioethics	6cp
76066	Children and the Law	6cp
76048	Citizenship and Immigration Law	6cp
76069	Community Justice Studies	6cp
78021	Contemporary Issues in Constitutional Law	6cp
76075	Contemporary Legal Studies 1	6cp
76076	Contemporary Legal Studies 2	6cp
76012	Criminology	6cp
76023	Deceptive Trade Practices and Product Liability	6cp
76052	Dispute Resolution Advocacy	6cp
76024	Environmental Law	6cp
76801	Exchange Subject 1	6cp
76802	Exchange Subject 2	6cp
76803	Exchange Subject 3	6cp
76804	Exchange Subject 4	6cp
76516	Family Law	6cp
76080	Finance Law	6cp
76007	International Human Rights Law	6cp
76068	Indigenous Peoples and the Law	6cp
76703	Indigenous Peoples, the Environment and Property	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76521	Intellectual Property and Traditional Knowledge	6cp
77794	International Environmental Law	6cp
76005	Islamic Law	6cp
76039	Jessup International Moot	6cp
76008	Jurisprudence	6cp
76015	Labour Law	6cp
76045	Medicine and Law	6cp
78008	Law of the Sea	6cp
76063	Media Law	6cp
76900	Moot	6cp
76040	Research Thesis	6cp
76027	Competition Law	6cp
76002	Sports Law	6cp
76517	Succession	6cp
76901	Vis Arbitral Moot	6cp
76212	Revenue Law	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77901	Securities Markets Law	6cp
78025	Intellectual Property: Law and Policy	6cp
76081	Gender, Law and Sexuality	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76037	Advanced Criminal Law	6cp
78039	Wickedness and Vice	6cp
76019	Broadcasting and Telecommunications Regulation	6cp
76009	Introduction to Chinese Business Law	6cp
76013	World Trade Law	6cp
76001	Comparative Law	6cp
76112	Conflict of Laws	6cp
76010	Disability and the Law	6cp
76020	Entertainment Law	6cp
76021	Advanced Remedies	6cp
78013	Refugee Law and Practice	6cp
76022	Insurance Law	6cp
76025	International Organisations	6cp
76902	Law and Literature	6cp
76903	International Commercial Transactions	6cp
78030	Criminal Sentencing Law	6cp
76030	Genetics and the Law	6cp
76033	Animal Law and Policy in Australia	6cp
76034	Law of Slavery and Human Trafficking	6cp
76041	Climate Law and Carbon Markets	6cp
76038	Law and Mental Health	6cp
76036	International Trade Law and the Environment	6cp
76043	Building and Construction Law	6cp
76056	Intellectual Property Commercialisation Overview	6cp
76904	Price International Media Law Moot	6cp
70108	Public International Law	6cp
		Total 24cp

CBK90508 Sub-major/Four electives

Select 24 credit points from the following options: 24cp

SMJ06020	Anaesthetics and Recovery Room Nursing	24cp
SMJ06022	Children's Nursing	24cp
SMJ06023	Critical Care Nursing	24cp
CBK90509	Electives	24cp
SMJ06027	Perioperative Nursing	24cp
SMJ06032	Acute Care Nursing	24cp
SMJ06033	Child and Family Health Nursing	24cp
SMJ06034	Diabetes Education and Management	24cp
		Total 24cp

CBK90509 Electives

Select 24 credit points from the following options: 24cp

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92878	Care of the Child in Illness and Disability	6cp
92881	Foundations of Perioperative Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
92902	Care of the Acutely Ill Child	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
		Total 24cp

CBK90510 Electives

Select 18 credit points from the following options: 18cp

92713	Health Breakdown	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92607	Education for Practice Development	6cp
92721	Health Promotion and Health Education	6cp
92847	Planning and Evaluating Health Services	6cp
92848	Facilitation of Clinical Learning	6cp
92878	Care of the Child in Illness and Disability	6cp
92881	Foundations of Perioperative Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
92887	Organisational Management in Health Care	6cp
92902	Care of the Acutely Ill Child	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
92917	Using Health Care Data for Decision Making	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
92932	Management for Clinicians	6cp
92609	Pharmacological Therapies in Advanced Practice	6cp

92946	Project Part A	6cp
92947	Project Part B	6cp
92812	Project	12cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
92296	Epidemiology and Population Health	6cp
92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp
92050	Policy, Power and Politics in Health Care	6cp
92295	Advanced Health Services Planning	6cp
92021	Perinatal Mental Health	6cp
92612	Research in Health	6cp
98728	Leadership, Accountability and Role Development in Advanced Practice	6cp
92613	Principles of Child and Family Health Nursing	6cp
92934	Clinical Management of Diabetes	6cp
015356	Learning in Diabetes Education	6cp
92845	Primary Health Care	6cp
92620	Family and Community Health Practice	6cp
98727	Quality Use of Medicines in Advanced Practice	6cp
92869	Specialty Clinical Practice	6cp
		Total 18cp

CBK90512 Sub-major/Four electives

Select 24 credit points from the following options: 24cp

SMJ06020	Anaesthetics and Recovery Room Nursing	24cp
SMJ06022	Children's Nursing	24cp
SMJ06023	Critical Care Nursing	24cp
SMJ06027	Perioperative Nursing	24cp
SMJ07002	Clinical Teaching	24cp
CBK90515	Electives	24cp
SMJ06032	Acute Care Nursing	24cp
SMJ06033	Child and Family Health Nursing	24cp
SMJ06034	Diabetes Education and Management	24cp
		Total 24cp

CBK90513 Sub-major/Four electives

International students can only undertake the Clinical Teaching sub-major or the Clinical Management sub-major.

Completion requirements

Select 24 credit points from the following options: 24cp

SMJ07002	Clinical Teaching	24cp
SMJ08194	Clinical Management	24cp
CBK90516	Electives	24cp
		Total 24cp

CBK90514 Electives

Select 12 credit points from the following options: 12cp

92603	Managing Quality, Risk and Cost in Health Care	6cp
92607	Education for Practice Development	6cp
92713	Health Breakdown	6cp
92721	Health Promotion and Health Education	6cp
92847	Planning and Evaluating Health Services	6cp
92848	Facilitation of Clinical Learning	6cp
92881	Foundations of Perioperative Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
92887	Organisational Management in Health Care	6cp
92902	Care of the Acutely Ill Child	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
92917	Using Health Care Data for Decision Making	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
92932	Management for Clinicians	6cp
92878	Care of the Child in Illness and Disability	6cp
92609	Pharmacological Therapies in Advanced Practice	6cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
92050	Policy, Power and Politics in Health Care	6cp
92295	Advanced Health Services Planning	6cp
92021	Perinatal Mental Health	6cp
92612	Research in Health	6cp
98728	Leadership, Accountability and Role Development in Advanced Practice	6cp
92613	Principles of Child and Family Health Nursing	6cp
92934	Clinical Management of Diabetes	6cp
015356	Learning in Diabetes Education	6cp
92845	Primary Health Care	6cp
92620	Family and Community Health Practice	6cp
98727	Quality Use of Medicines in Advanced Practice	6cp
92869	Specialty Clinical Practice	6cp
		Total 12cp

CBK90515 Electives

Select 24 credit points from the following options: 24cp

92603	Managing Quality, Risk and Cost in Health Care	6cp
92607	Education for Practice Development	6cp
92713	Health Breakdown	6cp
92848	Facilitation of Clinical Learning	6cp
92878	Care of the Child in Illness and Disability	6cp
92881	Foundations of Perioperative Nursing	6cp
92887	Organisational Management in Health Care	6cp
92902	Care of the Acutely Ill Child	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
92932	Management for Clinicians	6cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
92613	Principles of Child and Family Health Nursing	6cp
92934	Clinical Management of Diabetes	6cp
015356	Learning in Diabetes Education	6cp
92845	Primary Health Care	6cp
92620	Family and Community Health Practice	6cp
92869	Specialty Clinical Practice	6cp
		Total 24cp

CBK90516 Electives

Select 24 credit points from the following options: 24cp

92603	Managing Quality, Risk and Cost in Health Care	6cp
92607	Education for Practice Development	6cp
92713	Health Breakdown	6cp
92848	Facilitation of Clinical Learning	6cp
92869	Specialty Clinical Practice	6cp
92887	Organisational Management in Health Care	6cp
92932	Management for Clinicians	6cp
92934	Clinical Management of Diabetes	6cp
015356	Learning in Diabetes Education	6cp
92845	Primary Health Care	6cp
92620	Family and Community Health Practice	6cp
		Total 24cp

CBK90517 Electives

Select 8 credit points from the following options: 8cp

57008	Digital Libraries and Collections	8cp
57103	Knowledge Management Strategies	8cp
57147	Enterprise Content Management	8cp
57152	Investigative Research in the Digital Environment	8cp
57153	Digital Curation	8cp
57181	Recordkeeping Fundamentals	8cp
		Total 8cp

CBK90518 Electives

Select 16 credit points from the following options: 16cp

57153	Digital Curation	8cp
57008	Digital Libraries and Collections	8cp
57084	Information Architecture and Design	8cp
57089	Information Research and Data Analysis	8cp
57146	Organising Information	8cp
57147	Enterprise Content Management	8cp
57148	Discovering and Accessing Information	8cp
57152	Investigative Research in the Digital Environment	8cp
57181	Recordkeeping Fundamentals	8cp
		Total 16cp

CBK90520 Electives

Select 16 credit points from the following options: 16cp

57152	Investigative Research in the Digital Environment	8cp
57153	Digital Curation	8cp
57008	Digital Libraries and Collections	8cp
57089	Information Research and Data Analysis	8cp
57087	Knowledge Management and the Organisation	8cp
57103	Knowledge Management Strategies	8cp
57147	Enterprise Content Management	8cp
57181	Recordkeeping Fundamentals	8cp
		Total 16cp

CBK90521 Electives

Select 16 credit points from the following options: 16cp

57008	Digital Libraries and Collections	8cp
57084	Information Architecture and Design	8cp
57146	Organising Information	8cp
57147	Enterprise Content Management	8cp
57148	Discovering and Accessing Information	8cp
57152	Investigative Research in the Digital Environment	8cp
57153	Digital Curation	8cp
57181	Recordkeeping Fundamentals	8cp
		Total 16cp

CBK90522 Electives (Legal Studies)

Free choice of electives.

CBK90523 Options (Legal Studies)

Select 12 credit points from the following options: 12cp

77701	International Economic Law (PG)	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77767	Taxation Administration	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77794	International Environmental Law	6cp
77796	Taxation of Business Entities	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77900	Goods and Services Tax	6cp
77901	Securities Markets Law	6cp
77903	Copyright Law	6cp
77924	Superannuation and Retirement Planning	6cp
77945	Current Issues in Taxation	6cp
77953	International Taxation Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
79771	Dispute Resolution	6cp
STM90111	Research project (Law PG)	12cp
CBK90522	Electives (Legal Studies)	12cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78039	Wickedness and Vice	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78041	New Families, New Technologies	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
		Total 12cp

CBK90524 Teaching Discipline Contents

Free choice of electives.

CBK90525 Electives (TAFE articulation)

Free choice of electives.

CBK90526 Option (Law)

Select 6 credit points from the following options: 6cp

76002	Sports Law	6cp
76003	Asian Law and Legal Systems	6cp
76005	Islamic Law	6cp
76007	International Human Rights Law	6cp
76008	Jurisprudence	6cp
76012	Criminology	6cp
76015	Labour Law	6cp
76016	Advanced Revenue Law	6cp
76023	Deceptive Trade Practices and Product Liability	6cp
76024	Environmental Law	6cp
76027	Competition Law	6cp
76039	Jessup International Moot	6cp
76040	Research Thesis	6cp
76045	Medicine and Law	6cp
76047	Advanced Contracts	6cp
76048	Citizenship and Immigration Law	6cp
76052	Dispute Resolution Advocacy	6cp
76053	Industrial Law	6cp
76063	Media Law	6cp
76066	Children and the Law	6cp
76068	Indigenous Peoples and the Law	6cp
76069	Community Justice Studies	6cp
76070	Biomedical Law and Bioethics	6cp
76074	Australian Civil Liberties Law	6cp
76075	Contemporary Legal Studies 1	6cp
76076	Contemporary Legal Studies 2	6cp
76080	Finance Law	6cp
76115	Insolvency	6cp

76516	Family Law	6cp
76517	Succession	6cp
76521	Intellectual Property and Traditional Knowledge	6cp
76703	Indigenous Peoples, the Environment and Property	6cp
76801	Exchange Subject 1	6cp
76802	Exchange Subject 2	6cp
76803	Exchange Subject 3	6cp
76804	Exchange Subject 4	6cp
76900	Moot	6cp
76901	Vis Arbitral Moot	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
76001	Comparative Law	6cp
76009	Introduction to Chinese Business Law	6cp
77794	International Environmental Law	6cp
76010	Disability and the Law	6cp
77901	Securities Markets Law	6cp
76013	World Trade Law	6cp
78008	Law of the Sea	6cp
76019	Broadcasting and Telecommunications Regulation	6cp
78021	Contemporary Issues in Constitutional Law	6cp
76020	Entertainment Law	6cp
76021	Advanced Remedies	6cp
76037	Advanced Criminal Law	6cp
76081	Gender, Law and Sexuality	6cp
76112	Conflict of Laws	6cp
76212	Revenue Law	6cp
78013	Refugee Law and Practice	6cp
78025	Intellectual Property: Law and Policy	6cp
78016	International Humanitarian Law	6cp
78039	Wickedness and Vice	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76022	Insurance Law	6cp
76025	International Organisations	6cp
76904	Price International Media Law Moot	6cp
76041	Climate Law and Carbon Markets	6cp
70108	Public International Law	6cp
		Total 6cp

CBK90528 Electives

Select 24 credit points from the following options: 24cp

57014	Feature Writing	8cp
57046	Professional Editing	8cp
57053	Book Publishing and Marketing	8cp
57101	Advanced Screenwriting	8cp
57122	Short Fiction Workshop	8cp
57124	Novel Writing	8cp
57133	Writing Poetry	8cp
57142	Writing for the Screen	8cp
57165	True Crime	8cp
57144	Popular Fiction	8cp
57145	Freelance Writing	8cp
57989	Mise-en-Scene	8cp
57154	Writing Television Drama	8cp
57162	Memory and Life Writing	8cp
57178	Digital and Multiplatform Storytelling	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 24cp

CBK90531 Computer Systems choice

Select 12 credit points from the following options: 12cp

49261	Biomedical Instrumentation	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49274	Advanced Robotics	6cp
49048	Wireless Networking Technologies	6cp
49262	Web Technologies	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49227	Wireless Sensor Networks	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
		Total 12cp

CBK90532 Elective

Select 6 credit points from the following options: 6cp

32005	Strategic Leadership for Innovation	6cp
32009	Advanced Routing Principles	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32118	Mobile Communications and Computing	6cp
32144	Technology Research Preparation	6cp
32310	Network Security Appliances	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32541	Project Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32552	IP Telephony and Voice over IP	6cp
32553	Leadership and People Management	6cp
32555	Fundamentals of Software Development	6cp
32557	Enabling Enterprise Information Systems	6cp
32562	Strategic Business Management	6cp
32563	IT Professional and Society	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32603	Systems Quality Management	6cp
32606	Database	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42904	Cloud Computing and Software as a Service	6cp
42905	Marketing Technology	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp

49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49306	Quality and Operations Management Systems	6cp
49307	Internal Combustion Engines	6cp
49309	Quality Planning and Analysis	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49706	Regulatory Economics	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 6cp

CBK90534 Electives (Medical Science)

Free choice of electives.

CBK90535 Electives

Select 24 credit points from the following options: 24cp

91129	Transfusion Science	6cp
91132	Molecular Biology 1	6cp
91320	Metabolic Biochemistry	6cp
91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
		Total 24cp

CBK90536 Finance strand

Select 48 credit points from the following options: 48cp

25921	Theory of Financial Decision Making	6cp
25922	Financial Econometrics	6cp
25924	Advanced Corporate Finance	6cp
25923	Derivative Security Pricing	6cp
25728	Bond Portfolio Management	6cp
25729	Applied Portfolio Management	6cp
		Total 48cp

CBK90537 Economics strand

Select 48 credit points from the following options: 48cp

25921	Theory of Financial Decision Making	6cp
25922	Financial Econometrics	6cp
25924	Advanced Corporate Finance	6cp
		Total 48cp

CBK90541 Options

Select 24 credit points from the following options: 24cp

013098	Independent Study Project 1	6cp
013951	Learning and Change	6cp
013952	Research Perspectives	6cp
013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013949	The Arts in Supervision and Self Work	6cp
013950	Verbal and Body Psychotherapies	6cp
023821	Special Education 1: Managing Challenging Behaviours	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
013006	Educating Students with Special Needs	6cp
013001	The Psychology of Adolescent Learning	6cp
92876	Therapeutic Interventions in Mental Health Care	6cp

92605	Therapeutic Interventions in Mental Health Care 2	6cp
92964	Child and Adolescent Mental Health Disorders	6cp
013159	Independent Study Project 2	6cp
		Total 24cp

CBK90542 Elective

Select 12 credit points from the following options: 12cp

013088	Educational Management	6cp
013082	Aboriginal Social and Political History	6cp
013102	Introduction to Language	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013115	Professional Practice and Changing Work	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013958	Language Teaching Methodology	6cp
013959	Communication and Learning	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013970	Using Information Technology for Learning	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013977	Teaching and Learning in Practice	6cp
		Total 12cp

CBK90543 Elective

Select 12 credit points from the following options: 12cp

013088	Educational Management	6cp
013082	Aboriginal Social and Political History	6cp
013102	Introduction to Language	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013115	Professional Practice and Changing Work	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013958	Language Teaching Methodology	6cp
013959	Communication and Learning	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013970	Using Information Technology for Learning	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013977	Teaching and Learning in Practice	6cp
013097	Human Resource Development in Organisations	6cp
013151	Project Management	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
		Total 12cp

CBK90544 Electives

Select 12 credit points from the following options: 12cp

92932	Management for Clinicians	6cp
92946	Project Part A	6cp
92947	Project Part B	6cp
21702	Industrial Relations	6cp
24734	Marketing Management	6cp
21760	Performance and Talent Management	6cp
21766	Managing Community Organisations	6cp
21717	International Management	6cp
92296	Epidemiology and Population Health	6cp
92297	Health Systems and Change	6cp
92295	Advanced Health Services Planning	6cp
78104	Genetics and the Law	8cp
78150	Law and Mental Health	6cp
79708	Contemporary Business Law	6cp
78146	Dilemmas in Biomedical Law	8cp
78143	Psychology and Dispute Resolution	8cp
78144	Contemporary Issues in Health Law	8cp
77734	Law and Medicine	6cp
92022	Improving Quality and Safety in Health Care	6cp
92612	Research in Health	6cp
78105	Genetics and the Law	6cp
		Total 12cp

CBK90545 Major choice

Select 48 credit points from the following options: 48cp

MAJ07055	Applied Linguistics	48cp
MAJ07056	e-Learning	48cp
STM90491	No specified major	48cp
		Total 48cp

CBK90546 Options

Select 12 credit points from the following options: 12cp

013098	Independent Study Project 1	6cp
013137	Educational Leadership	6cp
013107	Phonology and Pronunciation	6cp
013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013132	Technology Enhanced Language Learning	6cp
013141	Language Programming and Assessment	6cp
013104	Language and Power	6cp
013159	Independent Study Project 2	6cp
		Total 12cp

CBK90547 Options

Select 12 credit points from the following options: 12cp

013098	Independent Study Project 1	6cp
013105	Language Development	6cp
013132	Technology Enhanced Language Learning	6cp
013159	Independent Study Project 2	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013141	Language Programming and Assessment	6cp
013104	Language and Power	6cp
013117	Theory and Practice of Literacy	6cp
013105	Language Development	6cp
		Total 12cp

CBK90548 Options

Select 12 credit points from the following options: 12cp

013106	Mentoring in the Workplace	6cp
013123	Work and Learning	6cp
013098	Independent Study Project 1	6cp
013095	Global Englishes	6cp
013112	Research Design	6cp
013120	The Psychology of Adult Development	6cp
013122	Understanding Adult Education and Training	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013117	Theory and Practice of Literacy	6cp
013105	Language Development	6cp
013096	Grammar and the Construction of Meaning	6cp
013107	Phonology and Pronunciation	6cp
013087	Discourse Analysis	6cp
013104	Language and Power	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp

013159	Independent Study Project 2	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
57999	Digital and Multiplatform Storytelling	6cp
		Total 12cp

CBK90549 Options

Select 36 credit points from the following options: 36cp

013106	Mentoring in the Workplace	6cp
013123	Work and Learning	6cp
013098	Independent Study Project 1	6cp
013096	Grammar and the Construction of Meaning	6cp
013112	Research Design	6cp
013120	The Psychology of Adult Development	6cp
013122	Understanding Adult Education and Training	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013117	Theory and Practice of Literacy	6cp
013105	Language Development	6cp
013095	Global Englishes	6cp
013107	Phonology and Pronunciation	6cp
013087	Discourse Analysis	6cp
013104	Language and Power	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013090	e-Learning Design	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 36cp

CBK90550 Options (Human Resource Development)

Select 36 credit points from the following options: 36cp

013149	The Language Literacy and Numeracy Learner	6cp
013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013118	Teaching and Learning Literacy	6cp
013102	Introduction to Language	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013971	Teaching and Learning Numeracy	6cp
013958	Language Teaching Methodology	6cp
013151	Project Management	6cp
013124	Work and People	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013099	Individualised Project 1	6cp
013088	Educational Management	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
013972	Organisational Learning	6cp
013055	Organisational Workplace Learning	6cp
		Total 36cp

CBK90551 Options (Language, Literacy and Numeracy)

Select 36 credit points from the following options: 36cp

013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013958	Language Teaching Methodology	6cp
013124	Work and People	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013099	Individualised Project 1	6cp
013088	Educational Management	6cp
013976	Strategic Human Resource Development	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013151	Project Management	6cp
013097	Human Resource Development in Organisations	6cp
013972	Organisational Learning	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
015012	International Perspectives on Adult Education	6cp
		Total 36cp

CBK90552 Options (Vocational Education)

Select 48 credit points from the following options: 48cp

013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013958	Language Teaching Methodology	6cp
013124	Work and People	6cp
013963	Cultural Diversity at Work	6cp
013967	e-Learning Design	6cp
013099	Individualised Project 1	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013151	Project Management	6cp
013097	Human Resource Development in Organisations	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013972	Organisational Learning	6cp
013976	Strategic Human Resource Development	6cp
013102	Introduction to Language	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013971	Teaching and Learning Numeracy	6cp
013149	The Language Literacy and Numeracy Learner	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
		Total 48cp

CBK90553 Options

Select 12 credit points from the following options: 12cp

013088	Educational Management	6cp
013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013102	Introduction to Language	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013972	Organisational Learning	6cp
013099	Individualised Project 1	6cp
013124	Work and People	6cp
013977	Teaching and Learning in Practice	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013982	Aboriginal Cultures	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013980	Identity, Culture and Communication	6cp
		Total 12cp

CBK90554 Options (Management)

Select 24 credit points from the following options: 24cp

21221	Organisational Structure and Change	6cp
21591	Transnational Management	6cp
		Total 24cp

CBK90557 Major choice

Select 48 credit points from the following options: 48cp

MAJ07067	Adult Education	48cp
STM90492	No specified major	48cp
MAJ07072	Indigenous Studies	48cp
MAJ07076	Organisational and Workplace Learning	48cp
MAJ07077	Popular Education and Social Change	48cp
		Total 48cp

CBK90558 Options

Select 30 credit points from the following options: 30cp

013096	Grammar and the Construction of Meaning	6cp
013107	Phonology and Pronunciation	6cp
013087	Discourse Analysis	6cp
013104	Language and Power	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013117	Theory and Practice of Literacy	6cp
013105	Language Development	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013098	Independent Study Project 1	6cp
013106	Mentoring in the Workplace	6cp
013112	Research Design	6cp
013120	The Psychology of Adult Development	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013159	Independent Study Project 2	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
013163	New Media and Social Change	6cp
		Total 30cp

CBK90559 Options

Select 36 credit points from the following options: 36cp

013096	Grammar and the Construction of Meaning	6cp
013107	Phonology and Pronunciation	6cp
013104	Language and Power	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013117	Theory and Practice of Literacy	6cp
013105	Language Development	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013098	Independent Study Project 1	6cp
013106	Mentoring in the Workplace	6cp
013112	Research Design	6cp
013120	The Psychology of Adult Development	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013122	Understanding Adult Education and Training	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
57999	Digital and Multiplatform Storytelling	6cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 36cp

CBK90560 Development Assessment core choice

Select 12 credit points from the following options: 12cp

15612	Building Regulation	6cp
15613	Development Control	6cp
15614	Advanced Development Assessment	6cp
15615	Advanced Building Regulation	6cp
		Total 12cp

CBK90561 Development Assessment elective choice

Select 12 credit points from the following options: 12cp

49121	Environmental Assessment and Planning	6cp
17701	Environment and Control	6cp
171200	Conservation and Heritage	6cp
16078	Fire Dynamics	6cp
16080	Fire Safety Systems	6cp
15601	Planning for Bushfire Prone Areas	6cp
15606	Vocational Competencies 1	6cp
		Total 12cp

CBK90562 Electives

Select 8 credit points from the following options: 8cp

57008	Digital Libraries and Collections	8cp
57103	Knowledge Management Strategies	8cp
57147	Enterprise Content Management	8cp
57152	Investigative Research in the Digital Environment	8cp
57153	Digital Curation	8cp
57181	Recordkeeping Fundamentals	8cp
		Total 8cp

CBK90563 Master's option (Information Management)

Select 16 credit points from the following options: 16cp

57104	Information and Knowledge Management Project Part A	4cp
57105	Information and Knowledge Management Project Part B	12cp
57009	Information and Knowledge Management Project	16cp
STM90653	Master's option without project	16cp
		Total 16cp

CBK90564 Electives

Select 8 credit points from the following options: 8cp

57008	Digital Libraries and Collections	8cp
57084	Information Architecture and Design	8cp
57146	Organising Information	8cp
57147	Enterprise Content Management	8cp
57148	Discovering and Accessing Information	8cp
57152	Investigative Research in the Digital Environment	8cp
57153	Digital Curation	8cp
57181	Recordkeeping Fundamentals	8cp
		Total 8cp

CBK90565 Master's option (Knowledge Management)

Select 16 credit points from the following options: 16cp

57104	Information and Knowledge Management Project Part A	4cp
57105	Information and Knowledge Management Project Part B	12cp
57009	Information and Knowledge Management Project	16cp
STM90654	Master's option without project	16cp
		Total 16cp

CBK90566 Major choice (Global Studies)

Select 48 credit points from the following options: 48cp

MAJ10019	Communication	48cp
MAJ08966	Management Studies	48cp
MAJ08965	Business Studies	48cp
MAJ09399	Legal Studies	48cp
		Total 48cp

CBK90567 Sub-majors + electives

Select 48 credit points from the following options: 48cp

SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
STM90498	Exchange electives	24cp
STM90499	Exchange electives	24cp
SMJ09050	Environmental Studies	24cp
SMJ09051	Bodies, Genders, Rights	24cp
SMJ10032	Media Studies	24cp
SMJ10033	Screen Studies	24cp
SMJ09049	Reading Australia	24cp
CBK90634	Electives	24cp
SMJ10040	Communication	24cp
SMJ09052	Aboriginal Studies	24cp
SMJ09060	Australian Language and Culture Studies	24cp
SMJ10052	Transnational Studies (Global Studies)	24cp
SMJ09034	International Studies	24cp
		Total 48cp

CBK90569 Chinese Language and Culture choice

Select 8 credit points from the following options: 8cp

97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp
		Total 8cp

CBK90570 Business electives (China Studies)

Select 24 credit points from the following options: 24cp

21591	Transnational Management	6cp
21717	International Management	6cp
21811	Global Strategic Management	6cp
25421	International Financial Management	6cp
		Total 24cp

CBK90571 Electives

Select 24 credit points from the following options: 24cp

31005	Advanced Data Analytics	6cp
31030	Project	6cp
31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31100	Enterprise Development with .NET	6cp
31241	3D Computer Animation	6cp
31242	Advanced Internet Programming	6cp
31243	Analytics Capstone Project B	6cp
31246	Network Design	6cp
31248	Computer Graphics Project	6cp
31249	Computer Graphics Rendering Techniques	6cp
31250	Introduction to Data Analytics	6cp
31251	Data Structures and Algorithms	6cp
48730	Network Security	6cp
31253	Database Programming	6cp
31254	e-Commerce	6cp
31255	Finance and IT	6cp
31256	Image Processing and Pattern Recognition	6cp
31257	Information System Development Methodologies	6cp
31258	Innovations for Global Relationship Management	6cp
31259	Intelligent Agents	6cp
31260	Interface Design	6cp
31261	Internetworking Project	6cp
31262	Introduction to Computer Game Design	6cp
31263	Introduction to Computer Game Programming	6cp
31264	Introduction to Computer Graphics	6cp
31274	Network Management	6cp
31275	Mobile Networking	6cp
31276	Networked Enterprise Architecture	6cp
31277	Routing and Internetworks	6cp
48433	Software Architecture	6cp
31280	Strategic IT Project	6cp
31282	Systems Testing and Quality Management	6cp
31283	WANs and Virtual LANs	6cp
31284	Web Services Development	6cp
31285	Mobile Applications Development	6cp
31335	Extreme Programming	6cp
31338	Network Servers	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
79011	Marketing Law	6cp
79013	Industrial and Labour Law	6cp
79014	Applied Company Law	6cp
79015	Banking Law	6cp
79017	Taxation Law	6cp
79018	Advanced Commercial Law	6cp
79019	Corporate Environmental Responsibility	6cp

79021	International Aspects of Australian Taxation Law	6cp
79022	GST and other Indirect Taxes	6cp
79023	Environmental Forensic Law	6cp
79026	Estate Planning (UG)	6cp
79027	Retirement Planning (UG)	6cp
79603	International Business Transactions and the Law	6cp
79606	Advanced Taxation Law	6cp
48033	Wireless Sensor Networks: Technology and Applications	6cp
31075	Object-relational Databases	6cp
21129	Managing People and Organisations	6cp
21440	Management Skills	6cp
21591	Transnational Management	6cp
21229	Management Knowledge	6cp
21227	Innovation and Entrepreneurship	6cp
21555	Human Resource Management	6cp
21228	Management Consulting	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
26134	Business Statistics	6cp
41001	Cloud Computing and Software as a Service	6cp
41005	Cloud-based Enterprise Application Development	6cp
41889	Application Development in the iOS Environment	6cp
41900	Fundamentals of Security	6cp
70110	Introduction to Law	6cp
79006	Intellectual Property Commercialisation	6cp
		Total 24cp

CBK90572 Major choice (Applied Chemistry)

Select 96 credit points from the following options: 96cp

MAJ01100	Applied Chemistry	96cp
MAJ01129	Chemical Science	96cp
		Total 96cp

CBK90573 Major choice (Biomedical Biotechnology)

Select 96 credit points from the following options: 96cp

MAJ01103	Biotechnology	96cp
MAJ01104	Biomedical Science	96cp
MAJ01105	Medical Science	96cp
MAJ01127	Medical and Molecular Biosciences	96cp
		Total 96cp

CBK90574 Major choice (Mathematical Sciences)

Select 96 credit points from the following options: 96cp

MAJ01110	Mathematics	96cp
MAJ01111	Statistics	96cp
		Total 96cp

CBK90575 Sub-major/Electives

Select 24 credit points from the following options: 24cp

SMJ10030	Nanotechnology	24cp
CBK90232	Electives (Science UG)	24cp
SMJ01031	Statistics (Physical Sciences)	24cp
SMJ02054	Scientific Computing	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90576 Sub-major/Electives (Chemistry)

Select 24 credit points from the following options: 24cp

CBK90232	Electives (Science UG)	24cp
SMJ01031	Statistics (Physical Sciences)	24cp
SMJ02054	Scientific Computing	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90577 Sub-major/Electives (Environmental Science)

Select 24 credit points from the following options: 24cp

CBK90232	Electives (Science UG)	24cp
SMJ01025	Quantitative Management	24cp
SMJ01029	Quantitative Methods	24cp
SMJ01030	Statistics (Life Sciences)	24cp
SMJ09055	Marine Biology	24cp
SMJ09056	Environmental Protection	24cp
SMJ09057	Environmental Biology	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90578 Sub-major/Electives (Mathematics)

Select 24 credit points from the following options: 24cp

SMJ08181	Introductory Finance	24cp
SMJ02059	Information Technology	24cp
SMJ09040	Introductory Economics	24cp
SMJ08197	Marketing Principles	24cp
CBK90232	Electives (Science UG)	24cp
SMJ08160	International Management	24cp
SMJ08198	Advertising Principles	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90579 Elective 1

Free choice of electives.

CBK90580 Elective 2

Free choice of electives.

CBK90581 Elective 3

Free choice of electives.

CBK90582 Elective 4

Free choice of electives.

CBK90584 Medical and Molecular Biology choice

Select 18 credit points from the following options: 18cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp
CBK90581	Elective 3	6cp
		Total 18cp

CBK90585 Major choice (Science)

Select 96 credit points from the following options: 96cp

MAJ01079	Applied Chemistry	96cp
MAJ01080	Applied Physics	96cp
MAJ01081	Biomedical Science	96cp
MAJ01082	Environmental Biology	96cp
MAJ01085	Nanotechnology	96cp
MAJ01112	Marine Biology	96cp
MAJ01113	Environmental Forensics	96cp
MAJ01114	Medical Science	96cp
MAJ01115	Biotechnology	96cp
MAJ01116	Mathematics	96cp
		Total 96cp

CBK90586 Major choice (Science)

Select 78 credit points from the following options: 78cp

MAJ01087	Applied Chemistry	78cp
MAJ01088	Applied Physics	78cp
MAJ01089	Environmental Science	78cp
MAJ01090	Biomedical Science	78cp
MAJ01091	Nanotechnology	78cp
MAJ01095	Mathematics	78cp
MAJ01119	Biotechnology	78cp
MAJ01120	Medical Science	78cp
		Total 78cp

CBK90588 Options

Select 18 credit points from the following options: 18cp

77746	Advanced Mediation	6cp
77945	Current Issues in Taxation	6cp
77715	Banking Law	6cp
78026	Business and Law in China	6cp
77752	Commercial Arbitration (Domestic)	6cp
70327	Commercial Law	6cp
77903	Copyright Law	6cp
77893	Designs Law and Practice	6cp
77761	Dispute Resolution in Commerce	6cp
79771	Dispute Resolution	6cp
77704	European Union Law	6cp
70717	Evidence and Criminal Procedure	6cp
77760	Family Dispute Resolution	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77900	Goods and Services Tax	6cp
77701	International Economic Law (PG)	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp

77783	International Commercial Dispute Resolution	6cp
77794	International Environmental Law	6cp
77953	International Taxation Law	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
77976	World Trade Organisation Law and Practice	6cp
77734	Law and Medicine	6cp
78008	Law of the Sea	6cp
78029	Mediation Practice	6cp
77745	Negotiation	6cp
77792	Crisis Negotiation	6cp
77898	Patent Law	6cp
77850	Psychology and Dispute Resolution	6cp
77740	Research Paper	6cp
77901	Securities Markets Law	6cp
77767	Taxation Administration	6cp
77796	Taxation of Business Entities	6cp
77924	Superannuation and Retirement Planning	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77867	Workplace Dispute Resolution	6cp
STM90111	Research project (Law PG)	12cp
78039	Wickedness and Vice	6cp
78040	The Law and Education	6cp
78041	New Families, New Technologies	6cp
78042	Environmental Planning and Development Law	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78141	International and Comparative Family Law	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78173	Dispute Resolution in Civil Practice	6cp
78138	Facilitation	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78101	Postgraduate Legal Research	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
79031	Employment and Industrial Law	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
78212	Communications and Technology: A Primer	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78216	Competition Law in a Global Context	6cp
78218	Animal Law and Policy in Australia	6cp
78222	Law of Slavery and Human Trafficking	6cp
78243	Advanced Trusts Law	6cp
78244	Mergers and Acquisitions Law	6cp
78245	Public Health Law	6cp
78246	Work Law	6cp
78247	Collaborative Law	6cp
70106	Principles of Public International Law	6cp
		Total 18cp

CBK90589 Electives

Select 24 credit points from the following options: 24cp

21872	Organisational Analysis	8cp
21869	Innovation and Entrepreneurship	8cp
21870	Strategic Human Resource Management	8cp
21871	Operations and Value Chain Strategy	8cp
22816	Financial Analysis and Business Valuations	8cp
22815	Business Decisions and Models	8cp
24808	Advanced Marketing Strategies	8cp
24807	Marketing Strategy in Practice	8cp
25844	Managerial Corporate Finance	8cp
26800	International Business Consulting	8cp
21886	Integrated Business Consulting	8cp
		Total 24cp

CBK90590 Options

Select 12 credit points from the following options: 12cp

013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013098	Independent Study Project 1	6cp
013104	Language and Power	6cp
013105	Language Development	6cp
013106	Mentoring in the Workplace	6cp
013107	Phonology and Pronunciation	6cp
013112	Research Design	6cp
013117	Theory and Practice of Literacy	6cp
013120	The Psychology of Adult Development	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013122	Understanding Adult Education and Training	6cp
013123	Work and Learning	6cp
013125	Adult Education: History, Policy and Context	6cp
013127	Communication Management	6cp
013128	Learning and Change in Organisations	6cp
013129	Effective Cognitive Learning Strategies	6cp
013132	Technology Enhanced Language Learning	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013139	Assessing Learning	6cp
013140	Simulation and Games	6cp
013141	Language Programming and Assessment	6cp
013142	Adult Learning and Program Development	6cp
013145	Culture, Difference and Curriculum	6cp
013146	Using Film for Critical Pedagogy	6cp
013147	Human Resources and Organisational Development	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 12cp

CBK90591 Options/PLT

Select 24 credit points from the following options: 24cp

STM90687	Core subjects (PLT)	24cp
CBK90507	Options (Law)	24cp
		Total 24cp

CBK90592 Options

Select 18 credit points from the following options: 18cp

76016	Advanced Revenue Law	6cp
76047	Advanced Contracts	6cp
76003	Asian Law and Legal Systems	6cp
76074	Australian Civil Liberties Law	6cp
76070	Biomedical Law and Bioethics	6cp
76066	Children and the Law	6cp
76048	Citizenship and Immigration Law	6cp
76069	Community Justice Studies	6cp

76075	Contemporary Legal Studies 1	6cp
76076	Contemporary Legal Studies 2	6cp
78021	Contemporary Issues in Constitutional Law	6cp
76012	Criminology	6cp
76023	Deceptive Trade Practices and Product Liability	6cp
76052	Dispute Resolution Advocacy	6cp
76024	Environmental Law	6cp
76801	Exchange Subject 1	6cp
76802	Exchange Subject 2	6cp
76803	Exchange Subject 3	6cp
76804	Exchange Subject 4	6cp
76516	Family Law	6cp
76080	Finance Law	6cp
76007	International Human Rights Law	6cp
76068	Indigenous Peoples and the Law	6cp
76703	Indigenous Peoples, the Environment and Property	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76521	Intellectual Property and Traditional Knowledge	6cp
77794	International Environmental Law	6cp
76005	Islamic Law	6cp
76039	Jessup International Moot	6cp
76008	Jurisprudence	6cp
76015	Labour Law	6cp
76045	Medicine and Law	6cp
78008	Law of the Sea	6cp
76063	Media Law	6cp
76900	Moot	6cp
76040	Research Thesis	6cp
76027	Competition Law	6cp
76212	Revenue Law	6cp
76002	Sports Law	6cp
76517	Succession	6cp
76901	Vis Arbitral Moot	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77901	Securities Markets Law	6cp
78025	Intellectual Property: Law and Policy	6cp
78040	The Law and Education	6cp
76081	Gender, Law and Sexuality	6cp
78042	Environmental Planning and Development Law	6cp
76037	Advanced Criminal Law	6cp
78039	Wickedness and Vice	6cp
76019	Broadcasting and Telecommunications Regulation	6cp
76009	Introduction to Chinese Business Law	6cp
76013	World Trade Law	6cp
76001	Comparative Law	6cp
76112	Conflict of Laws	6cp
76010	Disability and the Law	6cp
76020	Entertainment Law	6cp
76021	Advanced Remedies	6cp
78013	Refugee Law and Practice	6cp
76022	Insurance Law	6cp
76025	International Organisations	6cp
76902	Law and Literature	6cp
76903	International Commercial Transactions	6cp
78030	Criminal Sentencing Law	6cp
76030	Genetics and the Law	6cp
76036	International Trade Law and the Environment	6cp
76034	Law of Slavery and Human Trafficking	6cp
76033	Animal Law and Policy in Australia	6cp
76038	Law and Mental Health	6cp
76041	Climate Law and Carbon Markets	6cp
77740	Research Paper	6cp
76043	Building and Construction Law	6cp
76056	Intellectual Property Commercialisation Overview	6cp
76904	Price International Media Law Moot	6cp
70108	Public International Law	6cp
		Total 18cp

CBK90593 Options

Select 6 credit points from the following options: 6cp

77746	Advanced Mediation	6cp
77945	Current Issues in Taxation	6cp
77715	Banking Law	6cp
78026	Business and Law in China	6cp
77752	Commercial Arbitration (Domestic)	6cp
70327	Commercial Law	6cp
77903	Copyright Law	6cp
77792	Crisis Negotiation	6cp
77893	Designs Law and Practice	6cp
77761	Dispute Resolution in Commerce	6cp
79771	Dispute Resolution	6cp
77704	European Union Law	6cp
70717	Evidence and Criminal Procedure	6cp
77760	Family Dispute Resolution	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77900	Goods and Services Tax	6cp
77701	International Economic Law (PG)	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77794	International Environmental Law	6cp
77953	International Taxation Law	6cp
78010	International Criminal Law	6cp
78011	International Sale of Goods	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
77976	World Trade Organisation Law and Practice	6cp
77734	Law and Medicine	6cp
78008	Law of the Sea	6cp
78029	Mediation Practice	6cp
77745	Negotiation	6cp
77898	Patent Law	6cp
77850	Psychology and Dispute Resolution	6cp
77740	Research Paper	6cp
77901	Securities Markets Law	6cp
77767	Taxation Administration	6cp
77796	Taxation of Business Entities	6cp
77924	Superannuation and Retirement Planning	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77867	Workplace Dispute Resolution	6cp
78041	New Families, New Technologies	6cp
78039	Wickedness and Vice	6cp
78040	The Law and Education	6cp
78042	Environmental Planning and Development Law	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78101	Postgraduate Legal Research	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78135	Current Issues in Family Law	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78141	International and Comparative Family Law	6cp
78138	Facilitation	6cp
78147	Dilemmas in Biomedical Law	6cp
78145	Contemporary Issues in Health Law	6cp
78150	Law and Mental Health	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78153	International Commercial Transactions	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78178	Telecommunications Law and Regulations	6cp

78173	Dispute Resolution in Civil Practice	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
79031	Employment and Industrial Law	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78188	Intellectual Property Commercialisation	6cp
78201	International Development Law	6cp
78021	Contemporary Issues in Constitutional Law	6cp
78212	Communications and Technology: A Primer	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78216	Competition Law in a Global Context	6cp
78218	Animal Law and Policy in Australia	6cp
78222	Law of Slavery and Human Trafficking	6cp
78243	Advanced Trusts Law	6cp
78244	Mergers and Acquisitions Law	6cp
78245	Public Health Law	6cp
78246	Work Law	6cp
78247	Collaborative Law	6cp
70106	Principles of Public International Law	6cp
		Total 6cp

CBK90594 Electives A (Biomedical Science)

Select 12 credit points from the following options: 12cp

91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp
		Total 12cp

CBK90595 Electives B (Biomedical Science)

Select 12 credit points from the following options: 12cp

91338	Clinical Bacteriology	6cp
91358	Advanced Haematology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
		Total 12cp

CBK90596 Humanities electives (China Studies)

Select 24 credit points from the following options: 24cp

57025	Intercultural and International Communication	8cp
57026	Strategic Communication and Negotiation	8cp
CBK90569	Chinese Language and Culture choice	8cp
CBK90487	Chinese Language and Culture	16cp
CBK90494	Chinese Language and Culture	24cp
		Total 24cp

CBK90597 Options (Planning) Level 3

Select 24 credit points from the following options: 24cp

STM90504	Major Project stream	24cp
STM90505	Minor project + electives stream	24cp
		Total 24cp

CBK90598 Level 2 subject choice (Life and Environmental Sciences)

Select 36 credit points from the following options: 36cp

65621	Environmental Chemistry	6cp
91110	Experimental Design and Sampling	6cp
91132	Molecular Biology 1	6cp
91142	Biotechnology	6cp
91144	Plant Biotechnology	6cp
91149	Geological Processes	6cp
91154	Ecology	6cp
91157	Marine Communities	6cp
91159	Environmental Forensics	6cp
91270	Plant Physiology and Ecophysiology	6cp
91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91363	Animal Behaviour and Physiology	6cp
91401	Introductory Haematology and Immunology	6cp
91500	Histology	6cp
91703	Physiological Systems	6cp
91705	Medical Devices and Diagnostics	6cp
		Total 36cp

CBK90599 Level 3 subject choice (Life and Environmental Sciences)

Select 36 credit points from the following options: 36cp

66513	Marine Geosciences	6cp
91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp
91126	Coral Reef Ecosystems	6cp
91129	Transfusion Science	6cp
91155	Stream and Lake Assessment	6cp
91156	Marine Productivity and Climate Change	6cp
91309	Biodiversity Conservation	6cp
91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp
91368	Bioreactors and Bioprocessing	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
91402	Anatomical Pathology	6cp
91706	Neuroscience	6cp
91707	Pharmacology 1	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
91145	Environmental Protection and Management	6cp
91163	Alpine and Lowland Ecology	6cp
		Total 36cp

CBK90601 Secondary Education

Select 144 credit points from the following options: 144cp

013001	The Psychology of Adolescent Learning	6cp
013002	Designing Learning for a Digital Generation	3cp
013003	Evidence-based Practice	3cp
013004	Issues in Indigenous Australian Education	3cp
013005	The Secondary School	6cp
013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013008	The Socio-cultural Contexts of Secondary Education	3cp
013009	Professional Experience 1 (Commerce, Business and Economics)	6cp
013011	Professional Experience 1 (English/History)	6cp
013012	Professional Experience 1 (English)	6cp
013013	Professional Experience 1 (Geography/Commerce, Business and Economics)	6cp
013014	Professional Experience 1 (History/Geography)	6cp
013016	Professional Experience 1 (Languages)	6cp
013017	Professional Experience 1 (Mathematics/Computing Studies)	6cp
013018	Professional Experience 1 (Mathematics/Science)	6cp
013019	Professional Experience 1 (Personal Development, Health and Physical Education)	6cp
013020	Professional Experience 1 (Science/Computing Studies)	6cp
013021	Professional Experience 1 (Science)	6cp
013022	Professional Experience 1 (Visual Arts)	6cp
013023	Professional Experience 1 (Mathematics)	6cp
013024	Professional Experience 2 (Commerce, Business and Economics)	6cp
013026	Professional Experience 2 (English/History)	6cp
013027	Professional Experience 2 (English)	6cp
013028	Professional Experience 2 (Geography/Commerce, Business and Economics)	6cp
013029	Professional Experience 2 (History/Geography)	6cp
013031	Professional Experience 2 (Languages)	6cp
013032	Professional Experience 2 (Mathematics/Computing Studies)	6cp
013033	Professional Experience 2 (Mathematics/Science)	6cp
013034	Professional Experience 2 (Mathematics)	6cp
013035	Professional Experience 2 (Personal Development Health and Physical Education)	6cp

013036	Professional Experience 2 (Science/ Computing Studies)	6cp
013037	Professional Experience 2 (Science)	6cp
013038	Professional Experience 2 (Visual Arts)	6cp
013039	Commerce, Business Studies and Economics Teaching Methods 1	6cp
013040	Computing Studies Teaching Methods 1	6cp
013041	English Teaching Methods 1	6cp
013042	Commerce, Business Studies and Economics Teaching Methods 3	6cp
013044	Geography Teaching Methods 1	6cp
013045	History Teaching Methods 1	6cp
013046	Language Teaching Methods 1	6cp
013047	Mathematics Teaching Methods 1	6cp
013048	Personal Development, Health and Physical Education Teaching Methods 1	6cp
013049	Science Teaching Methods 1	6cp
013050	Visual Arts Teaching Methods 1	6cp
013051	Commerce, Business Studies and Economics Teaching Methods 2	6cp
013052	Computing Studies Teaching Methods 2	6cp
013053	English Teaching Methods 2	6cp
013054	Commerce, Business Studies and Economics Teaching Methods 4	6cp
013056	Geography Teaching Methods 2	6cp
013057	History Teaching Methods 2	6cp
013058	Language Teaching Methods 2	6cp
013059	Mathematics Teaching Methods 2	6cp
013060	Personal Development, Health and Physical Education Teaching Methods 2	6cp
013061	Science Teaching Methods 2	6cp
013062	Visual Arts Teaching Methods 2	6cp
013063	English Teaching Methods 3	6cp
013064	Language Teaching Methods 3	6cp
013065	Mathematics Teaching Methods 3	6cp
013066	Personal Development, Health and Physical Education Teaching Methods 3	6cp
013067	Science Teaching Methods 3	6cp
013068	Visual Arts Teaching Methods 3	6cp
013069	English Teaching Methods 4	6cp
013070	Language Teaching Methods 4	6cp
013071	Mathematics Teaching Methods 4	6cp
013072	Personal Development, Health and Physical Education Teaching Methods 4	6cp
013073	Science Teaching Methods 4	6cp
013074	Visual Arts Teaching Methods 4	6cp
013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013088	Educational Management	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013153	Professional Experience 1 (Computing Studies)	6cp
013154	Professional Experience 2 (Computing Studies)	6cp
013155	Professional Experience 1 (Commerce, Business Studies and Economics/ Computing Studies)	6cp
013156	Professional Experience 2 (Commerce, Business Studies and Economics/ Computing Studies)	6cp
013157	Computing Studies Teaching Methods 3	6cp
013158	Computing Studies Teaching Methods 4	6cp
013953	Adult Learning in Context	6cp
013954	Program Design	6cp
013955	Assessing Learning	6cp
013958	Language Teaching Methodology	6cp
013959	Communication and Learning	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013970	Using Information Technology for Learning	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013973	Adult Education Policy in Context	6cp
013974	The Psychology of Adult Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013977	Teaching and Learning in Practice	6cp
		Total 144cp

CBK90602 Vocational and Workplace Learning

Select 24 credit points from the following options: 24cp

013115	Professional Practice and Changing Work	6cp
013955	Assessing Learning	6cp
013953	Adult Learning in Context	6cp
013954	Program Design	6cp
013082	Aboriginal Social and Political History	6cp
013088	Educational Management	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013970	Using Information Technology for Learning	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013973	Adult Education Policy in Context	6cp
013974	The Psychology of Adult Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013977	Teaching and Learning in Practice	6cp
013978	Research and Inquiry	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013980	Identity, Culture and Communication	6cp
		Total 24cp

CBK90603 PM Foundation

Select 24 credit points from the following options: 24cp

15315	Project Management Principles	6cp
15459	Project Management Methodologies	6cp
15316	Project Management Knowledge Areas	6cp
15312	Communication and Critical Thinking	6cp
		Total 24cp

CBK90604 PM choice 2

Select 24 credit points from the following options: 24cp

15315	Project Management Principles	6cp
15316	Project Management Knowledge Areas	6cp
15312	Communication and Critical Thinking	6cp
15456	Industry Project Studies A	12cp
15356	Project Performance Improvement	6cp
15311	Managing Complex Projects	6cp
15325	Negotiation and Conflict Management	6cp
15326	Project Management Practicum	6cp
15327	Managing Project Complexity	6cp
15335	Project Appraisal and Finance	6cp
15350	Professional Project Practice	6cp
15348	Commercial Management of Projects	6cp
15349	Integrated Project Delivery Management	6cp
		Total 24cp

CBK90605 PM choice 3

Select 24 credit points from the following options: 24cp

15330	Program Management	6cp
15338	Strategic Procurement and Contract Management	6cp
15339	Project Performance Evaluation	6cp
15335	Project Appraisal and Finance	6cp
15336	Systems Thinking for Managers	6cp
15337	Specialist Project Study	12cp
15346	Governance and Leadership of Project Management	6cp
15347	The Project Organisation: A New Organisational Model	6cp
15462	Introduction to Research	6cp
15463	The Research Process	6cp
		Total 24cp

CBK90606 Level 2 subject choice (Physical Sciences)

Select 36 credit points from the following options: 36cp

91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
33360	Mathematics for Physical Science	6cp
65307	Physical Chemistry 1	6cp
68075	Nanomaterials	6cp
91140	BioNanotechnology	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
68412	Energy Science and Technology	6cp
65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65508	Organic Chemistry 2	6cp
65411	Inorganic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp
		Total 36cp

CBK90607 Level 3 subject choice (Physical Sciences)

Select 36 credit points from the following options: 36cp

68316	Applied Electronics and Interfacing	6cp
67509	Molecular Nanotechnology	6cp
68606	Solid-state Science and Nanodevices	6cp
67510	Surface Processes	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp
65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
67510	Surface Processes	6cp
35356	Design and Analysis of Experiments	6cp
35383	High Performance Computing	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
68416	Computational Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
68415	Measurement and Analysis of Physical Processes	6cp
35252	Mathematical Statistics	6cp
		Total 36cp

CBK90609 Civil and Structural Engineering

Select 24 credit points from the following options: 24cp

49002	Managing Projects	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49115	Facade Engineering	6cp
49121	Environmental Assessment and Planning	6cp
49126	Environmental Management of Land	6cp
49131	Bridge Design	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49144	Civil Engineering Review 2	6cp
49151	Concrete Technology and Practice	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49143	Civil Engineering Review 1	6cp
49258	Pavement Analysis and Design	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 24cp

CBK90610 Elective

Free choice of electives.

CBK90612 Electives

The electives chosen should comprise postgraduate subjects only.

Completion requirements

Free choice of electives.

CBK90613 Major choice

Select 42 credit points from the following options: 42cp

MAJ08958	Tourism Management	42cp
MAJ08959	Arts Management	42cp
MAJ08960	Sport Management	42cp
MAJ08961	Event Management	42cp
		Total 42cp

CBK90615 Sub-major/Electives (Engineering)

Select 24 credit points from the following options: 24cp

SMJ03047	Biomedical Engineering	24cp
SMJ03049	Mechanical Engineering	24cp
SMJ03050	Mechatronics	24cp
SMJ03051	Network Engineering	24cp
SMJ03052	Software Engineering	24cp
CBK90616	Electives	24cp
		Total 24cp

CBK90616 Electives

Free choice of electives.

CBK90617 Electives

Free choice of electives.

CBK90618 Thread choice

Select 54 credit points from the following options: 54cp

STM90699	Control thread	18cp
STM90700	Electronics thread	18cp
STM90701	Embedded Systems thread	18cp
STM90702	Energy thread	18cp
STM90703	Power Systems thread	18cp
		Total 54cp

CBK90619 Elective thread

Select 18 credit points from the following options: 18cp

48560	Introductory Control	6cp
48580	Advanced Control	6cp
49274	Advanced Robotics	6cp
48570	Data Acquisition and Distribution	6cp
48581	Digital Electronics	6cp
48551	Analog Electronics	6cp
48451	Advanced Digital Systems	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48571	Electrical Machines	6cp
48561	Power Electronics and Drives	6cp
48550	Renewable Energy Systems	6cp
48572	Power Circuit Theory	6cp
48582	Power Systems Analysis and Design	6cp
48583	Power Systems Operation and Protection	6cp
		Total 18cp

CBK90620 Thread choice

Select 36 credit points from the following options: 36cp

STM90699	Control thread	18cp
STM90700	Electronics thread	18cp
STM90701	Embedded Systems thread	18cp
STM90702	Energy thread	18cp
STM90703	Power Systems thread	18cp
		Total 36cp

CBK90621 Sub-major/Electives

Select 24 credit points from the following options: 24cp

SMJ03053	Advanced Mechanical Analysis	24cp
SMJ03054	Sustainable Energy Systems Analysis	24cp
SMJ03055	Automation	24cp
SMJ03056	Advanced Manufacturing Systems	24cp
SMJ03057	Automotive Systems	24cp
CBK90011	Electives	24cp
		Total 24cp

CBK90622 Property options (PG)

Select 24 credit points from the following options: 24cp

12515	Strategic Asset Management	6cp
15241	Urban Economics and Finance	6cp
171200	Conservation and Heritage	6cp
17703	Property Taxation	6cp
17772	Commercial Retail Property Management	6cp
15313	Project Procurement and Risk Management	6cp
15312	Communication and Critical Thinking	6cp
15222	Urban Design	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp
15301	Planning Theory and Decision Making	6cp
15315	Project Management Principles	6cp
17774	Green Building Evaluation	6cp
17553	Construction Cost Planning	6cp
15316	Project Management Knowledge Areas	6cp
15251	Spatial Analysis in Planning and Property	6cp
17775	Land Acquisition Statutory Valuation and Litigation	6cp
17518	Advanced Property Development	6cp
15348	Commercial Management of Projects	6cp
		Total 24cp

CBK90623 Advanced Architecture

Free choice of electives.

CBK90624 Advanced Architecture Studio

Select 42 credit points from the following options: 42cp

STM90518	Urban Design	42cp
STM90519	Design Technologies	42cp
		Total 42cp

CBK90625 Architectural Design

Free choice of electives.

CBK90626 Architectural Practice

Select 12 credit points from the following options: 12cp

11501	Architectural Practice: Advocacy	6cp
11502	Architectural Practice: Finance and Project Management	6cp
11503	Architectural Practice: The Profession	6cp
11504	Architectural Practice: The City	6cp
		Total 6cp

CBK90627 Architectural Design

Free choice of electives.

CBK90628 Electives

Select 6 credit points from the following options: 6cp

11312	Modern Western Aesthetics	6cp
11361	Special Project (Theory)	6cp
11308	Reading and Writing Architectural Criticism	6cp
		Total 6cp

CBK90629 Sub-major/Electives

Select 24 credit points from the following options: 24cp

CBK90011	Electives	24cp
SMJ03058	Intelligent Systems	24cp
SMJ03059	Sustainable Energy Systems	24cp
SMJ03060	Manufacturing Automation	24cp
		Total 24cp

CBK90630 Electives

Free choice of electives.

CBK90631 Architectural Practice

Select 12 credit points from the following options: 12cp

11501	Architectural Practice: Advocacy	6cp
11502	Architectural Practice: Finance and Project Management	6cp
11503	Architectural Practice: The Profession	6cp
11504	Architectural Practice: The City	6cp
		Total 12cp

CBK90632 Options

Select 18 credit points from the following options: 18cp

013098	Independent Study Project 1	6cp
013137	Educational Leadership	6cp
013107	Phonology and Pronunciation	6cp
013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013132	Technology Enhanced Language Learning	6cp
013141	Language Programming and Assessment	6cp
013104	Language and Power	6cp
013159	Independent Study Project 2	6cp
013951	Learning and Change	6cp
013112	Research Design	6cp
010039	Teaching English for Academic Purposes	6cp
		Total 18cp

CBK90633 Options

Select 30 credit points from the following options: 30cp

15602	Social Planning and Development	6cp
15603	Integrated Strategic Planning	6cp
15609	Local Environmental Management	6cp
15610	Local Government Leadership: Personal and Professional Skills	6cp
15606	Vocational Competencies 1	6cp
15607	Vocational Competencies 2	6cp
15618	New Perspectives in Local Government Leadership	6cp
		Total 30cp

CBK90634 Electives

Select 24 credit points from the following options: 24cp

97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97203	Japanese Language and Culture 3	8cp
97204	Japanese Language and Culture 4	8cp
97205	Japanese Language and Culture 5	8cp
97206	Japanese Language and Culture 6	8cp
97207	Japanese Films and Popular Culture	8cp
97208	Japanese Language and Identity	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97403	French Language and Culture 3	8cp
97404	French Language and Culture 4	8cp
97405	French Language and Culture 5	8cp
97406	French Language and Culture 6	8cp
97407	Francophone Identities in Conflict	8cp
97408	Show and Tell: Francophone Cultures on Display	8cp
97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
97503	Spanish Language and Culture 3	8cp
97504	Spanish Language and Culture 4	8cp
97505	Spanish Language and Culture 5	8cp
97506	Spanish Language and Culture 6	8cp
97507	Spanish Language and Culture 7	8cp
97508	Spanish Language and Culture 8	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97603	German Language and Culture 3	8cp
97604	German Language and Culture 4	8cp

97605	German Language and Culture 5	8cp
97606	German Language and Culture 6	8cp
97607	German Language and Culture 7	8cp
97608	German Language and Culture 8	8cp
97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97803	Italian Language and Culture 3	8cp
97804	Italian Language and Culture 4	8cp
97805	Italian Language and Culture 5	8cp
97806	Italian Language and Culture 6	8cp
976001	Foundations in International Studies	8cp
58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58223	Social Bodies	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58225	Introduction to Film Studies	8cp
58322	Screening the Past	8cp
58323	Contemporary World Cinema	8cp
58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58327	Indigenous Futures	8cp
976111	Contemporary China	8cp
976211	Contemporary Japan	8cp
976502	Contemporary Latin(o) Americas	8cp
976411	Contemporary France	8cp
976421	Contemporary Germany	8cp
976431	Contemporary Italy	8cp
976451	Contemporary Spain	8cp
976404	Contemporary Switzerland	8cp
58101	Understanding Communication	8cp
58102	Language and Discourse	8cp
58103	Ideas in History	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 24cp

CBK90635 Marketing streams

Select 24 credit points from the following options: 24cp

STM90717	Marketing Management	24cp
STM90718	Marketing Strategy	24cp
STM90719	Marketing Research	24cp
		Total 24cp

CBK90636 Elective (Marketing PG)

Select 18 credit points from the following options: 18cp

24706	Strategic Services Marketing	6cp
24707	Strategic Business Marketing	6cp
24713	Marketing Channel Management	6cp
24736	Marketing Communications	6cp
24738	Strategic International Marketing	6cp
24742	New Product Management	6cp
24750	Marketing Analytics	6cp
24757	Research Methodology and Data Analysis Tools	6cp
24760	Pricing and Revenue Management	6cp
24759	Research Design and Data Collection Tools	6cp
		Total 18cp

CBK90638 Research/Practice choice

In this choice block, students have the option of focusing their studies towards research or towards professional practice. Students who are intending to pursue a professional career in industry should choose 32572 Reflective Practice in Information Technology. Students intending to pursue a research or academic career should choose 32931 Information Technology Research Methods, followed by a research project (32933 or 32934) in a later semester.

Students pursuing the research option must identify a suitable project topic and an academic staff member who will be their supervisor for both 32931 and their subsequent research project, and need to provide this information in order to be granted permission to enrol in 32931. Students should contact the UTS Building 10 Student Centre for more details.

Completion requirements

Select 6 credit points from the following options: 6cp

32931	Technology Research Methods	6cp
32572	Reflective Practice in Information Technology	6cp
		Total 6cp

CBK90639 Electives

Free choice of electives.

CBK90640 Elective

Free choice of electives.

CBK90641 Electives

Students are encouraged to select from the recommended electives below. Students who would like to study an elective from outside of this list are required to seek approval from the School.

Places in electives may be limited and/or subject to availability.

Completion requirements

Select 12 credit points from the following options: 12cp

92606	Issues in Australian Health Services	6cp
92917	Using Health Care Data for Decision Making	6cp
22747	Accounting for Managerial Decisions	6cp
91345	Biochemistry, Genes and Disease	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
21779	Management Skills	6cp
21844	Managing Work and People	6cp
21743	Business Excellence	6cp
96020	Pharmacy Research Project A	6cp
92845	Primary Health Care	6cp
92934	Clinical Management of Diabetes	6cp
96021	Pharmacy Research Project B	6cp
		Total 12cp

CBK90642 Elective

Select 12 credit points from the following options: 12cp

60909	Professional Science Project	12cp
91535	Microscopy and Cytometry	6cp
91536	Proteomics	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91705	Medical Devices and Diagnostics	6cp
91368	Bioreactors and Bioprocessing	6cp
91707	Pharmacology 1	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91540	Climate Change and Ecological Modelling	6cp
91541	Monitoring Ecological Variability	6cp
91145	Environmental Protection and Management	6cp
91120	GIS and Remote Sensing	6cp
91155	Stream and Lake Assessment	6cp
91551	Ecohydrology and Climate Change	6cp
91157	Marine Communities	6cp
91116	Wildlife Ecology	6cp
91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp
91309	Biodiversity Conservation	6cp
91542	Principles of Contaminated Site Assessment	6cp
91543	Evaluation of Contaminant Effects	6cp
91544	Environment Risk Assessment and Remediation	6cp
68044	Characterisation of Energy Efficient Materials	6cp
68002	Advanced Nanomaterials	6cp
68001	Advanced Physics	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp

68416	Computational Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
68316	Applied Electronics and Interfacing	6cp
67509	Molecular Nanotechnology	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
65034	Introduction to Forensic Science	6cp
65342	Crime Scene Investigation	6cp
65544	Chemical Criminalistics	6cp
65545	Forensic Toxicology	6cp
35255	Forensic Statistics	6cp
91137	DNA Profiling	6cp
91138	Investigation of Human Remains	6cp
65412	Physical Evidence	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp
91402	Anatomical Pathology	6cp
65863	Expert Evidence Presentation	6cp
65743	Complex Forensic Cases (Chemistry)	6cp
91139	Complex Forensic Cases (Biology)	6cp
79028	Complex Forensic Cases (Law for Biology)	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35353	Regression Analysis	6cp
35355	Quality Control	6cp
35365	Stochastic Calculus in Finance	6cp
35393	Seminar (Statistics)	6cp
35361	Stochastic Processes	6cp
35366	Numerical Methods of Finance	6cp
35457	Multivariate Statistics	6cp
35502	Seminar A	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp
35364	Statistics for Quantitative Finance	6cp
35356	Design and Analysis of Experiments	6cp
91545	Environment Research Project A	12cp
35112	Mathematical Research Project A	12cp
65032	Forensic Science Research Project A	12cp
68046	Physics Research Project A	12cp
91537	Biotechnology Research Project A	12cp
91548	Forensic Biology Research Project A	12cp
91709	Pharmacology 2	6cp
91126	Coral Reef Ecosystems	6cp
91146	Topics in Australian Marine Science	6cp
91156	Marine Productivity and Climate Change	6cp
		Total 12cp

CBK90643 Elective

Select 12 credit points from the following options: 12cp

21856	Career and Portfolio Development	6cp
21797	Strategic Supply Chain Management	6cp
21751	Management Research Methods	6cp
21800	Management and Organisations	6cp
21717	International Management	6cp
21720	Human Resource Management	6cp
21742	Quantitative Management	6cp
21844	Managing Work and People	6cp
		Total 12cp

CBK90644 Major choice

Select 48 credit points from the following options: 48cp

MAJ01121	Medical Biotechnology	48cp
MAJ05003	Environmental Change Management	48cp
MAJ01123	Forensic Science	48cp
MAJ01124	Mathematical and Statistical Modelling	48cp
MAJ01125	Science Management	48cp
CBK90649	No specified major	48cp
MAJ01130	Marine Science and Management	48cp
MAJ03470	Biomedical Engineering	48cp
		Total 48cp

CBK90645 Extended major choice

Select 72 credit points from the following options: 72cp

MAJ08063	Extended Marketing	72cp
MAJ08046	Extended Management	72cp
MAJ08060	Extended Finance	72cp
MAJ09402	Extended Economics	72cp
		Total 72cp

CBK90646 Sub-major/Four electives

Select 24 credit points from the following options: 24cp

SMJ08116	Financial Reporting	24cp
SMJ08117	International Accounting	24cp
SMJ08120	Small Business Accounting	24cp
SMJ09028	Economics	24cp
SMJ08123	Finance	24cp
SMJ08126	Sport Management	24cp
SMJ08127	Tourism Management	24cp
SMJ08128	Human Resource Management	24cp
SMJ08129	International Management	24cp
SMJ08130	Management	24cp
SMJ08131	Advanced Advertising	24cp
SMJ08132	Marketing Research	24cp
SMJ08137	Advertising	24cp
SMJ08138	Marketing	24cp
SMJ08139	International Business Studies	24cp
SMJ08141	Human Resource Development	24cp
SMJ02036	Business Information Systems	24cp
SMJ02037	Information Technology	24cp
SMJ09030	Business Law	24cp
SMJ09033	Taxation Law	24cp
SMJ01007	Mathematics	24cp
SMJ01025	Quantitative Management	24cp
SMJ01009	Statistics	24cp
SMJ09034	International Studies	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
CBK90171	Electives	24cp
SMJ08195	Management Reporting	24cp
SMJ08203	Event Management	24cp
SMJ08204	Strategic Marketing	24cp
SMJ08211	Public Relations	24cp
SMJ08109	Management Consulting	24cp
SMJ09058	Econometrics	24cp
SMJ08214	Financial Planning	24cp
SMJ08215	Financial Services	24cp
		Total 24cp

CBK90648 Professional stream choice

Select 12 credit points from the following options: 12cp

60901	Advanced Communication Skills in Science	6cp
Select one of the following:		6cp
60902	The Scientific Method	6cp
35212	Computational Linear Algebra	6cp
60903	Project Management in Science	6cp
60904	Innovation, Entrepreneurship and Commercialisation	6cp
		Total 12cp

CBK90649 No specified major

Select 48 credit points from the following options: 48cp

60909	Professional Science Project	12cp
91535	Microscopy and Cytometry	6cp
91536	Proteomics	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91705	Medical Devices and Diagnostics	6cp
91368	Bioreactors and Bioprocessing	6cp
91707	Pharmacology 1	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91540	Climate Change and Ecological Modelling	6cp
91541	Monitoring Ecological Variability	6cp
91145	Environmental Protection and Management	6cp
91120	GIS and Remote Sensing	6cp
91155	Stream and Lake Assessment	6cp
91551	Ecohydrology and Climate Change	6cp

91157	Marine Communities	6cp
91116	Wildlife Ecology	6cp
91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp
91309	Biodiversity Conservation	6cp
91542	Principles of Contaminated Site Assessment	6cp
91543	Evaluation of Contaminant Effects	6cp
91544	Environment Risk Assessment and Remediation	6cp
68044	Characterisation of Energy Efficient Materials	6cp
68002	Advanced Nanomaterials	6cp
68001	Advanced Physics	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68416	Computational Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
68316	Applied Electronics and Interfacing	6cp
67509	Molecular Nanotechnology	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
65034	Introduction to Forensic Science	6cp
65342	Crime Scene Investigation	6cp
65544	Chemical Criminalistics	6cp
65545	Forensic Toxicology	6cp
35255	Forensic Statistics	6cp
91137	DNA Profiling	6cp
91138	Investigation of Human Remains	6cp
65412	Physical Evidence	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp
91402	Anatomical Pathology	6cp
65863	Expert Evidence Presentation	6cp
65743	Complex Forensic Cases (Chemistry)	6cp
91139	Complex Forensic Cases (Biology)	6cp
79028	Complex Forensic Cases (Law for Biology)	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35353	Regression Analysis	6cp
35355	Quality Control	6cp
35365	Stochastic Calculus in Finance	6cp
35393	Seminar (Statistics)	6cp
35361	Stochastic Processes	6cp
35366	Numerical Methods of Finance	6cp
35457	Multivariate Statistics	6cp
35502	Seminar A	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp
35364	Statistics for Quantitative Finance	6cp
35356	Design and Analysis of Experiments	6cp
91545	Environment Research Project A	12cp
68046	Physics Research Project A	12cp
68047	Physics Research Project B	12cp
68048	Physics Research Project	24cp
91546	Environment Research Project B	12cp
91547	Environment Research Project	24cp
91548	Forensic Biology Research Project A	12cp
91549	Forensic Biology Research Project	24cp
91550	Forensic Biology Research Project B	12cp
35112	Mathematical Research Project A	12cp
35113	Mathematical Research Project B	12cp
35114	Mathematical Research Project	24cp
91537	Biotechnology Research Project A	12cp
91538	Biotechnology Research Project B	12cp
91539	Biotechnology Research Project	24cp
65032	Forensic Science Research Project A	12cp
65033	Forensic Science Research Project	24cp
65072	Forensic Science Research Project B	12cp
91709	Pharmacology 2	6cp
		Total 48cp

CBK90650 Electives

Select 12 credit points from the following options: 12cp

60909	Professional Science Project	12cp
91535	Microscopy and Cytometry	6cp
91536	Proteomics	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91705	Medical Devices and Diagnostics	6cp
91368	Bioreactors and Bioprocessing	6cp
91707	Pharmacology 1	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91540	Climate Change and Ecological Modelling	6cp
91541	Monitoring Ecological Variability	6cp
91145	Environmental Protection and Management	6cp
91120	GIS and Remote Sensing	6cp
91155	Stream and Lake Assessment	6cp
91551	Ecohydrology and Climate Change	6cp
91157	Marine Communities	6cp
91116	Wildlife Ecology	6cp
91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp
91309	Biodiversity Conservation	6cp
91542	Principles of Contaminated Site Assessment	6cp
91543	Evaluation of Contaminant Effects	6cp
91544	Environment Risk Assessment and Remediation	6cp
68044	Characterisation of Energy Efficient Materials	6cp
68002	Advanced Nanomaterials	6cp
68001	Advanced Physics	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68416	Computational Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
68316	Applied Electronics and Interfacing	6cp
67509	Molecular Nanotechnology	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
65034	Introduction to Forensic Science	6cp
65342	Crime Scene Investigation	6cp
65544	Chemical Criminalistics	6cp
65545	Forensic Toxicology	6cp
35255	Forensic Statistics	6cp
91137	DNA Profiling	6cp
91138	Investigation of Human Remains	6cp
65412	Physical Evidence	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp
91402	Anatomical Pathology	6cp
65863	Expert Evidence Presentation	6cp
65743	Complex Forensic Cases (Chemistry)	6cp
91139	Complex Forensic Cases (Biology)	6cp
79028	Complex Forensic Cases (Law for Biology)	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35353	Regression Analysis	6cp
35355	Quality Control	6cp
35365	Stochastic Calculus in Finance	6cp
35393	Seminar (Statistics)	6cp
35361	Stochastic Processes	6cp
35366	Numerical Methods of Finance	6cp
35457	Multivariate Statistics	6cp
35502	Seminar A	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp

35364	Statistics for Quantitative Finance	6cp
35356	Design and Analysis of Experiments	6cp
91709	Pharmacology 2	6cp
		Total 12cp

CBK90653 Stream choice

Select 144 credit points from the following options: 144cp

STM90676	Physical Sciences stream	144cp
STM90677	Life Sciences stream	144cp
STM90678	Mathematical Sciences stream	144cp
		Total 144cp

CBK90654 Major choice (Environmental and Marine Biology)

Select 96 credit points from the following options: 96cp

MAJ01106	Environmental Biology	96cp
MAJ01107	Marine Biology	96cp
MAJ01108	Environmental Forensics	96cp
MAJ01126	Environmental Sciences	96cp
		Total 96cp

CBK90655 Major choice (Applied Physics Nanotechnology)

Select 96 credit points from the following options: 96cp

MAJ01101	Applied Physics	96cp
MAJ01102	Nanotechnology	96cp
MAJ01128	Physics and Advanced Materials	96cp
		Total 96cp

CBK90656 Environmental Science choice A

Select 36 credit points from the following options: 36cp

91149	Geological Processes	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
91157	Marine Communities	6cp
65621	Environmental Chemistry	6cp
91159	Environmental Forensics	6cp
		Total 36cp

CBK90657 Environmental Science choice B

Select 36 credit points from the following options: 36cp

91120	GIS and Remote Sensing	6cp
91116	Wildlife Ecology	6cp
91121	Aquatic Ecology	6cp
91309	Biodiversity Conservation	6cp
91155	Stream and Lake Assessment	6cp
91145	Environmental Protection and Management	6cp
91371	Forest and Mountain Ecology	6cp
91370	Semi-arid Ecology	6cp
91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp
91126	Coral Reef Ecosystems	6cp
91156	Marine Productivity and Climate Change	6cp
91163	Alpine and Lowland Ecology	6cp
		Total 36cp

CBK90658 Medical and Molecular Biosciences choice A

Select 36 credit points from the following options: 36cp

91314	General Microbiology	6cp
91320	Metabolic Biochemistry	6cp
91500	Histology	6cp
91142	Biotechnology	6cp
91703	Physiological Systems	6cp
91132	Molecular Biology 1	6cp
91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp
91239	Human Pathophysiology	6cp
		Total 36cp

CBK90659 Medical and Molecular Biosciences choice B

Select 36 credit points from the following options: 36cp

91335	Molecular Biology 2	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91358	Advanced Haematology	6cp
91359	Advanced Immunology	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91707	Pharmacology 1	6cp
91706	Neuroscience	6cp
91403	Medical Imaging	6cp
91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91402	Anatomical Pathology	6cp
91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
91705	Medical Devices and Diagnostics	6cp
91709	Pharmacology 2	6cp
91708	Medical and Applied Physiology	6cp
		Total 36cp

CBK90660 Physics and Advanced Materials choice A

Select 36 credit points from the following options: 36cp

65307	Physical Chemistry 1	6cp
68075	Nanomaterials	6cp
68412	Energy Science and Technology	6cp
33360	Mathematics for Physical Science	6cp
68414	Advanced Mechanics	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
91140	BioNanotechnology	6cp
		Total 36cp

CBK90661 Physics and Advanced Materials choice B

Select 36 credit points from the following options: 36cp

68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68416	Computational Physics	6cp
67509	Molecular Nanotechnology	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp
67510	Surface Processes	6cp
		Total 36cp

CBK90662 Chemical Science choice A

Select 36 credit points from the following options: 36cp

65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65307	Physical Chemistry 1	6cp
65411	Inorganic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp
65621	Environmental Chemistry	6cp
67509	Molecular Nanotechnology	6cp
65242	Principles of Forensic Science	6cp
		Total 36cp

CBK90663 Chemical Science choice B

Select 36 credit points from the following options: 36cp

65409	Analytical Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp
65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
67510	Surface Processes	6cp
65545	Forensic Toxicology	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65508	Organic Chemistry 2	6cp
		Total 36cp

CBK90665 Design major choice

Select 36 credit points from the following options: 36cp

MAJ10028	Design for Change: Sustainability, Design and Creative Futures	36cp
MAJ10027	Fashion and Textiles Studio	36cp
MAJ10029	Experimental Visual Communications	36cp
MAJ04006	Lighting	36cp
MAJ10026	Interactivation	36cp
MAJ03471	Objects and Accessories	36cp
MAJ04007	Perception Space Materials	36cp
		Total 36cp

CBK90669 Design Expertise choice

Select 48 credit points from the following options: 48cp

89105	Design Activism	6cp
89106	Researching Contexts	6cp
89107	Innovation and Entrepreneurship: A	6cp
89108	Technology Workshop: Creative Play	6cp
89109	Technology Workshop: Experimental Media	6cp
89110	Engaging Texts: Interpreting Contexts	6cp
89120	Sustainability, Design and Creative Futures: Being Human	12cp
89121	Sustainability, Design and Creative Futures: Spatio-Temporal Shifts	12cp
89122	Sustainability, Design and Creative Futures: Critical Economies	12cp
89123	Experimental Visual Communications: Research Through Design	12cp
89124	Experimental Visual Communications: Visualising the Invisible	12cp
89125	Experimental Visual Communications: Final Project	12cp
89114	Lighting Studio: Light, Time and Change	12cp
89115	Lighting Studio: Light, Materials and Space	12cp
89116	Lighting Studio: Final Project	12cp
		Total 48cp

CBK90670 Design Expertise choice

Select 24 credit points from the following options: 24cp

89105	Design Activism	6cp
89106	Researching Contexts	6cp
89107	Innovation and Entrepreneurship: A	6cp
89108	Technology Workshop: Creative Play	6cp
89109	Technology Workshop: Experimental Media	6cp
89110	Engaging Texts: Interpreting Contexts	6cp
89120	Sustainability, Design and Creative Futures: Being Human	12cp
89121	Sustainability, Design and Creative Futures: Spatio-Temporal Shifts	12cp
89122	Sustainability, Design and Creative Futures: Critical Economies	12cp
89114	Lighting Studio: Light, Time and Change	12cp
89115	Lighting Studio: Light, Materials and Space	12cp
89116	Lighting Studio: Final Project	12cp
89123	Experimental Visual Communications: Research Through Design	12cp
89124	Experimental Visual Communications: Visualising the Invisible	12cp
89125	Experimental Visual Communications: Final Project	12cp
		Total 24cp

CBK90671 Design Expertise choice

Select 36 credit points from the following options: 36cp

CBK90665	Design major choice	36cp
CBK90672	Design Studio choice	36cp
		Total 36cp

CBK90672 Design Studio choice

As part of the Master of Design (Interactivation specialisation), students can enrol in either 89111 or 89112 depending on which semester they start the course. 89111 is not a prerequisite to 89112 and they can be taken in any order.

Completion requirements

Select 36 credit points from the following options: 36cp

89015	Textile and Fashion Innovation	12cp
89016	Reframing Fashion and Textile Practice	12cp
89017	Fashion and Textiles Entrepreneur	12cp
89120	Sustainability, Design and Creative Futures: Being Human	12cp
89121	Sustainability, Design and Creative Futures: Spatio-Temporal Shifts	12cp
89122	Sustainability, Design and Creative Futures: Critical Economies	12cp
89114	Lighting Studio: Light, Time and Change	12cp
89115	Lighting Studio: Light, Materials and Space	12cp
89116	Lighting Studio: Final Project	12cp
89123	Experimental Visual Communications: Research Through Design	12cp
89124	Experimental Visual Communications: Visualising the Invisible	12cp
89125	Experimental Visual Communications: Final Project	12cp
89111	Interactivation Studio: Autumn	12cp
89112	Interactivation Studio: Spring	12cp
89113	Interactivation Studio: Final Project	12cp
89126	Design Studio 1: Human-centred Design	12cp
89127	Design Studio 2: Social Design Practice/ Critical Reflection	12cp
89128	Design Studio 3: Resilience and Creative Practice	12cp
89151	Design for Change: Specific Retail Environments	12cp
89152	Design for Change: Reinvigorating Retail Precincts	12cp
89153	Design for Change: Retail Futures	12cp
		Total 36cp

CBK90673 Design option

Select 24 credit points from the following options: 24cp

SMJ04023	Performative Spaces	24cp
		Total 24cp

CBK90674 Design options

Select 24 credit points from the following options: 24cp

86112	Design Studio: Experimentations	12cp
86531	Design Studio: Explorations	12cp
86530	Design Studio: Performative Spaces 1	12cp
86533	Design Studio: Performative Spaces 2	12cp
		Total 24cp

CBK90675 Geotechnical Engineering choice

Select 18 credit points from the following options: 18cp

49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49102	Traffic and Transportation	6cp
49106	Road Engineering Practice	6cp
49116	Contaminated Site and Waste Remediation	6cp
49257	Geographic Information Systems	6cp
49126	Environmental Management of Land	6cp
49143	Civil Engineering Review 1	6cp
49258	Pavement Analysis and Design	6cp
		Total 18cp

CBK90676 Civil and Geotechnical Engineering choice A

Select 24 credit points from the following options: 24cp

49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49102	Traffic and Transportation	6cp
49106	Road Engineering Practice	6cp
49116	Contaminated Site and Waste Remediation	6cp
49257	Geographic Information Systems	6cp
49126	Environmental Management of Land	6cp
49258	Pavement Analysis and Design	6cp
		Total 24cp

CBK90677 Civil and Geotechnical Engineering choice B

Select 24 credit points from the following options: 24cp

49047	Finite Element Analysis	6cp
49131	Bridge Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49115	Facade Engineering	6cp
49135	Wind Engineering	6cp
49151	Concrete Technology and Practice	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49107	Urban Stormwater Design	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49002	Managing Projects	6cp
49143	Civil Engineering Review 1	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 24cp

CBK90678 Elective

Select 12 credit points from the following options: 12cp

60909	Professional Science Project	12cp
91535	Microscopy and Cytometry	6cp
91536	Proteomics	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
91705	Medical Devices and Diagnostics	6cp
91368	Bioreactors and Bioprocessing	6cp
91707	Pharmacology 1	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91540	Climate Change and Ecological Modelling	6cp
91541	Monitoring Ecological Variability	6cp
91145	Environmental Protection and Management	6cp
91120	GIS and Remote Sensing	6cp
91155	Stream and Lake Assessment	6cp
91551	Ecohydrology and Climate Change	6cp
91157	Marine Communities	6cp
91116	Wildlife Ecology	6cp
91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp
91309	Biodiversity Conservation	6cp
91542	Principles of Contaminated Site Assessment	6cp
91543	Evaluation of Contaminant Effects	6cp
91544	Environment Risk Assessment and Remediation	6cp
68044	Characterisation of Energy Efficient Materials	6cp
68002	Advanced Nanomaterials	6cp
68001	Advanced Physics	6cp
68513	Optics and Nanophotonics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68416	Computational Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
68316	Applied Electronics and Interfacing	6cp
67509	Molecular Nanotechnology	6cp
68413	Quantum Physics	6cp
68315	Imaging Science	6cp
65034	Introduction to Forensic Science	6cp
65342	Crime Scene Investigation	6cp
65544	Chemical Criminalistics	6cp
65545	Forensic Toxicology	6cp
35255	Forensic Statistics	6cp
91137	DNA Profiling	6cp
91138	Investigation of Human Remains	6cp
65412	Physical Evidence	6cp
65643	Chemistry and Pharmacology of Recreational Drugs	6cp
65644	Fire and Explosion Investigation	6cp
91402	Anatomical Pathology	6cp
65863	Expert Evidence Presentation	6cp
65743	Complex Forensic Cases (Chemistry)	6cp
91139	Complex Forensic Cases (Biology)	6cp
79028	Complex Forensic Cases (Law for Biology)	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35353	Regression Analysis	6cp
35355	Quality Control	6cp
35365	Stochastic Calculus in Finance	6cp
35393	Seminar (Statistics)	6cp
35361	Stochastic Processes	6cp
35366	Numerical Methods of Finance	6cp
35457	Multivariate Statistics	6cp
35502	Seminar A	6cp
35503	Seminar B	6cp
35504	Seminar C	6cp
35505	Seminar D	6cp
35364	Statistics for Quantitative Finance	6cp
35356	Design and Analysis of Experiments	6cp

Total 12cp

CBK90679 Stream choice

Select 96 credit points from the following options: 96cp

STM90523	Standard stream	96cp
STM90524	Extended major	96cp

Total 96cp

CBK90682 Options

Select 6 credit points from the following options: 6cp

60905	Leadership and Teamwork in Science	6cp
60906	Science in Practice	6cp
60907	Managing Science-based Enterprises	6cp
60908	Science and Industrialisation	6cp

Total 6cp

CBK90701 Sub-major choice

Select 24 credit points from the following options: 24cp

SMJ09048	Transnational Studies	24cp
SMJ09049	Reading Australia	24cp
SMJ09050	Environmental Studies	24cp
SMJ09051	Bodies, Genders, Rights	24cp
SMJ10032	Media Studies	24cp
SMJ10033	Screen Studies	24cp
SMJ09052	Aboriginal Studies	24cp
SMJ09060	Australian Language and Culture Studies	24cp

Total 24cp

CBK90702 Electives

Select 24 credit points from the following options: 24cp

58110	Introduction to Journalism	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58116	The Ecology of Public Communication	8cp
58117	Principles of Public Relations	8cp
58118	Principles of Advertising	8cp
58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58124	Local Transformations	8cp
58126	Information Discovery and Analysis	8cp
58125	User Experience Design	8cp
58127	Information Cultures	8cp
58128	Strategic Public Relations	8cp
58129	Advertising Campaign Practice	8cp
58222	Global Politics from Above and Below	8cp
58223	Social Bodies	8cp
58224	Australian Pasts and Places	8cp
58225	Introduction to Film Studies	8cp
58226	Media, Mediation, Power	8cp
58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58228	Climate Change: Politics and Ecology	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
58322	Screening the Past	8cp
58323	Contemporary World Cinema	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
58326	Australian Aboriginal Politics and History	8cp
58327	Indigenous Futures	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
58999	Professional Internship	8cp
97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97801	Italian Language and Culture 1	8cp

97802	Italian Language and Culture 2	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
50251	Genocide Studies	8cp
50001	Online Documentary	8cp
976111	Contemporary China	8cp
976211	Contemporary Japan	8cp
976404	Contemporary Switzerland	8cp
976411	Contemporary France	8cp
976421	Contemporary Germany	8cp
976431	Contemporary Italy	8cp
976451	Contemporary Spain	8cp
976502	Contemporary Latin(o) Americas	8cp
976602	Contemporary Canada (Quebec)	8cp
976001	Foundations in International Studies	8cp
50190	Information Research Project	8cp
58900	Poetry	8cp
58901	Screenwriting	8cp
58902	Writing Through Genre	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
58332	Defining Cultures	8cp
58333	Introduction to Cultural Research	8cp
58335	Digital Communities	8cp
58216	Imagining the Real	8cp
58330	Narrative and Theory	8cp
58337	Engagement, Participation, Gamification	8cp
		Total 24cp

CBK90703 Electives

Select 12 credit points from the following options: 12cp

32005	Strategic Leadership for Innovation	6cp
32009	Advanced Routing Principles	6cp
32011	Multilayer Switched Networks	6cp
32109	Troubleshooting Converged Networks	6cp
32118	Mobile Communications and Computing	6cp
32144	Technology Research Preparation	6cp
32310	Network Security Appliances	6cp
32520	UNIX Systems Administration	6cp
32521	WANS and VLANS	6cp
32524	LANS and Routing	6cp
32541	Project Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32552	IP Telephony and Voice over IP	6cp
32553	Leadership and People Management	6cp
32557	Enabling Enterprise Information Systems	6cp
32555	Fundamentals of Software Development	6cp
32562	Strategic Business Management	6cp
32563	IT Professional and Society	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32603	Systems Quality Management	6cp
32606	Database	6cp
32702	Contemporary Telecommunications	6cp
32931	Technology Research Methods	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42904	Cloud Computing and Software as a Service	6cp
42905	Marketing Technology	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49306	Quality and Operations Management Systems	6cp
49307	Internal Combustion Engines	6cp
49309	Quality Planning and Analysis	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp

49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49706	Regulatory Economics	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 12cp

CBK90704 Journalism elective

Select 24 credit points from the following options: 24cp

57166	Documentary Production	8cp
57184	Documentary: Expanded, Mobile and Networked	8cp
57187	Specialist Journalism	8cp
57012	Regulation of the Media	8cp
57014	Feature Writing	8cp
57021	Journalism Internship	8cp
57138	International and Comparative Journalism	8cp
57150	Editing and Design	8cp
57151	Storytelling with Sound and Image	8cp
57152	Investigative Research in the Digital Environment	8cp
57155	Online Journalism	8cp
57156	Radio Journalism	8cp
57158	Television and Video Journalism	8cp
57161	Investigative Journalism	8cp
		Total 24cp

CBK90706 Generalist Marketing choice

Select 24 credit points from the following options: 24cp

24706	Strategic Services Marketing	6cp
24707	Strategic Business Marketing	6cp
24713	Marketing Channel Management	6cp
24736	Marketing Communications	6cp
24738	Strategic International Marketing	6cp
24742	New Product Management	6cp
24750	Marketing Analytics	6cp
24757	Research Methodology and Data Analysis Tools	6cp
24759	Research Design and Data Collection Tools	6cp
24760	Pricing and Revenue Management	6cp
		Total 24cp

CBK90707 Electives major (PopEdSocChange)

Select 12 credit points from the following options: 12cp

010040	Program Development and Evaluation in Indigenous Education and Development	6cp
010041	Research, Ethics and Indigenous Cultural Heritage	6cp
013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013104	Language and Power	6cp
013112	Research Design	6cp
013120	The Psychology of Adult Development	6cp
013127	Communication Management	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013146	Using Film for Critical Pedagogy	6cp
013160	Professional Learning and Practice	6cp
013162	Organisational Learning	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013167	Contemporary Work and Learning	6cp
013168	Adult Education: Past, Present, Future	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 12cp

CBK90708 Electives major (OrgWrkplLrn)

Select 12 credit points from the following options: 12cp

010040	Program Development and Evaluation in Indigenous Education and Development	6cp
010041	Research, Ethics and Indigenous Cultural Heritage	6cp
013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013104	Language and Power	6cp
013112	Research Design	6cp
013120	The Psychology of Adult Development	6cp
013127	Communication Management	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013146	Using Film for Critical Pedagogy	6cp
013161	Popular Education and Social Movements	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013166	Education in Policy Contexts	6cp
013168	Adult Education: Past, Present, Future	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 12cp

CBK90709 Electives major (AdEd)

Select 12 credit points from the following options: 12cp

010040	Program Development and Evaluation in Indigenous Education and Development	6cp
010041	Research, Ethics and Indigenous Cultural Heritage	6cp
013087	Discourse Analysis	6cp
013090	e-Learning Design	6cp
013091	e-Learning Experiences 1	6cp
013093	e-Learning Technologies	6cp
013095	Global Englishes	6cp
013104	Language and Power	6cp
013112	Research Design	6cp
013127	Communication Management	6cp
013136	Developing People and Teams	6cp
013137	Educational Leadership	6cp
013146	Using Film for Critical Pedagogy	6cp
013160	Professional Learning and Practice	6cp
013161	Popular Education and Social Movements	6cp
013162	Organisational Learning	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
013165	Leading Learning in the Workplace	6cp
013167	Contemporary Work and Learning	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 12cp

CBK90710 Electives (Midwifery)

Free choice of electives.

CBK90711 Choice

Select 48 credit points from the following options: 48cp

77898	Patent Law	6cp
77889	Trade Marks Law	6cp
77894	Drafting of Patent Specifications	6cp
77890	Trade Marks Practice	6cp
77891	Patent Systems	6cp
77895	Interpretation and Validity of Patent Specifications	6cp
77893	Designs Law and Practice	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77903	Copyright Law	6cp
77740	Research Paper	6cp
78188	Intellectual Property Commercialisation	6cp
77905	Preparing for Intellectual Property Practice	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78238	History and Theory of Intellectual Property	6cp
		Total 48cp

CBK90712 Choice

Select 24 credit points from the following options: 24cp

77898	Patent Law	6cp
77889	Trade Marks Law	6cp
77894	Drafting of Patent Specifications	6cp
77890	Trade Marks Practice	6cp
77891	Patent Systems	6cp
77895	Interpretation and Validity of Patent Specifications	6cp
77893	Designs Law and Practice	6cp
78015	Global Aspects of Intellectual Property Law	6cp

77903	Copyright Law	6cp
77740	Research Paper	6cp
78188	Intellectual Property Commercialisation	6cp
77905	Preparing for Intellectual Property Practice	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78238	History and Theory of Intellectual Property	6cp
		Total 24cp

CBK90713 Choice

Select 36 credit points from the following options: 36cp

77898	Patent Law	6cp
77889	Trade Marks Law	6cp
77894	Drafting of Patent Specifications	6cp
77890	Trade Marks Practice	6cp
77891	Patent Systems	6cp
77893	Designs Law and Practice	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77903	Copyright Law	6cp
77740	Research Paper	6cp
78188	Intellectual Property Commercialisation	6cp
77905	Preparing for Intellectual Property Practice	6cp
77895	Interpretation and Validity of Patent Specifications	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78238	History and Theory of Intellectual Property	6cp
		Total 36cp

CBK90743 Electives

Select 12 credit points from the following options: 12cp

42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42902	Interior Routing and High Availability	6cp
42903	Multi Protocol Label Switching	6cp
42904	Cloud Computing and Software as a Service	6cp
49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49003	Economic Evaluation	6cp
49004	Systems Engineering for Managers	6cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49016	Technology and Innovation Management	6cp
49021	Evaluation of Infrastructure Investments	6cp
49022	Energy Resources and Technology	6cp
49023	Energy and Environmental Economics	6cp
49024	Energy Modelling	6cp
49025	Methods for Energy Analysis	6cp
49026	Electricity Sector Planning and Restructuring	6cp
49027	Energy Demand Analysis and Forecasting	6cp
49028	Policy and Planning of Energy Conservation	6cp
49029	Environmental Policy for Energy Systems	6cp
49047	Finite Element Analysis	6cp
49048	Wireless Networking Technologies	6cp
49049	Air and Noise Pollution	6cp
49069	Leadership and Responsibility	6cp
49098	Engineering Financial Control	6cp
49102	Traffic and Transportation	6cp
49105	Water Supply and Wastewater Management	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49110	3G Mobile Communication Systems	6cp
49115	Facade Engineering	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
49118	Applied Geotechnics	6cp
49119	Problematic Soils and Ground Improvement Techniques	6cp
49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49124	Water Quality Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49131	Bridge Design	6cp
49133	Steel and Composite Design	6cp
49134	Structural Dynamics and Earthquake Engineering	6cp
49135	Wind Engineering	6cp
49136	Application of Timber in Engineering Structures	6cp
49150	Prestressed Concrete Design	6cp
49151	Concrete Technology and Practice	6cp
49201	Integrated Services Networks	6cp
49202	Communication Protocols	6cp
49203	Telecommunications Signal Processing	6cp
49205	Transmission Systems	6cp
49215	Telecommunications Industry Management	6cp
49223	Satellite Communication Systems	6cp
49225	Software Project Management	6cp
49227	Wireless Sensor Networks	6cp
49238	Telecommunication Networks Management	6cp
49247	Object-oriented Technology	6cp
49249	Telecommunications Engineering Review	6cp
49254	Advanced Soil Mechanics and Foundation Design	6cp
49255	Catchment Modelling	6cp
49256	Flood Estimation	6cp
49257	Geographic Information Systems	6cp
49258	Pavement Analysis and Design	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49285	Emergency Management	6cp
49286	Vehicle Design	6cp
49306	Quality and Operations Management Systems	6cp
49307	Internal Combustion Engines	6cp
49309	Quality Planning and Analysis	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
49701	Gas Sector Planning	6cp
49702	Gas Distribution Technology and Management	6cp
49703	Selected Topics (Energy Pricing)	6cp
49706	Regulatory Economics	6cp
49928	Design Optimisation for Manufacturing	6cp
49989	Operations Engineering	6cp
32555	Fundamentals of Software Development	6cp
32603	Systems Quality Management	6cp
32570	Enterprise Software Architecture and Middleware	6cp
42001	Bioinformatics	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42890	4G Mobile Technologies	6cp
42905	Marketing Technology	6cp
42891	Infrastructure for Cloud Computing	6cp
32931	Technology Research Methods	6cp
32702	Contemporary Telecommunications	6cp
32606	Database	6cp
32563	IT Professional and Society	6cp
32562	Strategic Business Management	6cp
32557	Enabling Enterprise Information Systems	6cp
32553	Leadership and People Management	6cp
32552	IP Telephony and Voice over IP	6cp
32548	Network Security	6cp
32547	UNIX Systems Programming	6cp
32541	Project Management	6cp
32524	LANS and Routing	6cp
32521	WANS and VLANS	6cp
32520	UNIX Systems Administration	6cp
32310	Network Security Appliances	6cp
32144	Technology Research Preparation	6cp

32118	Mobile Communications and Computing	6cp
32109	Troubleshooting Converged Networks	6cp
32011	Multilayer Switched Networks	6cp
32009	Advanced Routing Principles	6cp
32005	Strategic Leadership for Innovation	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 12cp

CBK90744 Electives

Select 16 credit points from the following options: 16cp

57028	Research for Communication Professionals	8cp
57026	Strategic Communication and Negotiation	8cp
57035	Organisational Change and Communication	8cp
57131	Inventive Media Advertising	8cp
57132	Media Relations	8cp
57995	Learning in Organisations	8cp
		Total 16cp

CBK90745 200/300-level disciplinary choice

Select 8 credit points from the following options: 8cp

58225	Introduction to Film Studies	8cp
58323	Contemporary World Cinema	8cp
58120	Creativity and Culture	8cp
58320	Australian Fiction	8cp
58322	Screening the Past	8cp
58321	Australian Film	8cp
58217	Experiments in Culture	8cp
		Total 8cp

CBK90746 Mobile Computing Network choice

Free choice of electives.

CBK90747 Internetworking choice

Select 6 credit points from the following options: 6cp

32702	Contemporary Telecommunications	6cp
32521	WANS and VLANS	6cp
32001	Mobile Commerce Technologies	6cp
32144	Technology Research Preparation	6cp
		Total 6cp

CBK90750 Elective choice

Select 6 credit points from the following options: 6cp

89202	3D Digital Animation 1	6cp
89203	3D Digital Animation 2	6cp
89204	2D Digital Animation	6cp
		Total 6cp

CBK90766 Electives (Tourism)

Select 12 credit points from the following options: 12cp

27346	Tour Operator and Wholesaling Management	6cp
27347	Hotel Management	6cp
27647	Airlines and Transportation Management	6cp
27703	Event Management	6cp
		Total 12cp

CBK90767 Electives

Free choice of electives.

CBK90768 Options (MCSEM)

Select 42 credit points from the following options: 42cp

32039	Recent Advances in Software Engineering	6cp
32106	Agile Method Engineering	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32148	Enterprise Computing	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32530	Building Intelligent Agents	6cp
32531	Global Information Systems	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32550	Advances in Requirements Engineering	6cp
32601	Advanced Project Management	6cp
32931	Technology Research Methods	6cp
32933	Research Project	6cp
32934	Research Project	12cp
32990	IT Contracts and Outsourcing	6cp
42990	Organisational Design for the Knowledge Era	6cp
		Total 42cp

CBK90769 Options

Select 18 credit points from the following options: 18cp

32039	Recent Advances in Software Engineering	6cp
32106	Agile Method Engineering	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32148	Enterprise Computing	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32530	Building Intelligent Agents	6cp
32531	Global Information Systems	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32550	Advances in Requirements Engineering	6cp
32990	IT Contracts and Outsourcing	6cp
		Total 18cp

CBK90770 Options

Select 12 credit points from the following options: 12cp

32208	Information Systems Strategy	6cp
32601	Advanced Project Management	6cp
42905	Marketing Technology	6cp
32990	IT Contracts and Outsourcing	6cp
49069	Leadership and Responsibility	6cp
42900	Sustainability and Information Systems	6cp
42990	Organisational Design for the Knowledge Era	6cp
		Total 12cp

CBK90771 Electives (IT Management)

Select 18 credit points from the following options: 18cp

32005	Strategic Leadership for Innovation	6cp
32145	Commercial Environment of IT	6cp
32148	Enterprise Computing	6cp
32208	Information Systems Strategy	6cp
32531	Global Information Systems	6cp
32601	Advanced Project Management	6cp
32902	Recent Advances in Information Systems	6cp
32990	IT Contracts and Outsourcing	6cp
42990	Organisational Design for the Knowledge Era	6cp
		Total 18cp

CBK90772 Games Development options

Select 18 credit points from the following options: 18cp

31005	Advanced Data Analytics	6cp
31080	Digital Multimedia	6cp
31096	Managing Client/Vendor Relations	6cp
31097	IT Operations Management	6cp
31100	Enterprise Development with .NET	6cp
31335	Extreme Programming	6cp
31735	Information Systems and Organisation Development	6cp
31777	Human-Computer Interaction	6cp
31927	Application Development with .NET	6cp
31950	Networked Enterprise Design	6cp
		Total 18cp

CBK90773 Design Expertise electives

Select 24 credit points from the following options: 24cp

11401	Digital Master Class A	6cp
11403	Digital Master Class B	6cp
11400	Digital Theory	6cp
89204	2D Digital Animation	6cp
89202	3D Digital Animation 1	6cp
89200	Graphic Visualisation	6cp
89201	Animation Genres Seminar	6cp
89203	3D Digital Animation 2	6cp
15312	Communication and Critical Thinking	6cp
88952	Design Project Specialisation	6cp
15315	Project Management Principles	6cp
88951	Future Design Strategies	6cp
15330	Program Management	6cp
15325	Negotiation and Conflict Management	6cp
15327	Managing Project Complexity	6cp
15314	Project Implementation	6cp
		Total 24cp

CBK90775 Major choice

Select 108 credit points from the following options: 108cp

MAJ07058	Mathematics	108cp
MAJ07059	Visual Arts	108cp
MAJ07060	Personal Development, Health and Physical Education	108cp
MAJ07061	Science	108cp
MAJ07062	Languages other than English	108cp
MAJ07063	English	108cp
MAJ07064	Mathematics/Science	108cp
MAJ07065	Science/Computing Studies	108cp
MAJ07066	Mathematics/Computing Studies	108cp
MAJ07068	English/History	108cp
MAJ07069	Geography/Commerce, Business Studies and Economics	108cp
MAJ07070	Commerce, Business Studies and Economics	108cp
MAJ07071	History/Geography	108cp
MAJ07073	Computing Studies	108cp
MAJ07074	Commerce, Business Studies and Economics/Computing Studies	108cp

Total 108cp

CBK90777 Options

Select 12 credit points from the following options: 12cp

013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013118	Teaching and Learning Literacy	6cp
013102	Introduction to Language	6cp
013971	Teaching and Learning Numeracy	6cp
013958	Language Teaching Methodology	6cp
013124	Work and People	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013976	Strategic Human Resource Development	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013972	Organisational Learning	6cp
013099	Individualised Project 1	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013151	Project Management	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013088	Educational Management	6cp
013097	Human Resource Development in Organisations	6cp
013978	Research and Inquiry	6cp
013982	Aboriginal Cultures	6cp
013974	The Psychology of Adult Learning	6cp
013980	Identity, Culture and Communication	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013973	Adult Education Policy in Context	6cp

Total 12cp

CBK90778 Year 2 (Design Studies)

Select 6 credit points from the following options: 6cp

85506	Design Differences: Intercultural Asia	6cp
85601	Design Futures: Business Innovation	6cp
85504	Design Futures: Sustainable Lifestyles	6cp
85500	Design Futures: Creative Technologies	6cp

Total 6cp

CBK90779 Year 4 (Design Studies)

Select 6 credit points from the following options: 6cp

85602	Interdisciplinary Design Lab: Undergraduate	6cp
85603	Interdisciplinary Design Experience: Undergraduate	6cp
85605	Design Differences: Community Identities	6cp
85505	Design Interventions: Making Theories	6cp

Total 6cp

CBK90780 Recognition of prior learning TAFE

Free choice of electives.

CBK90781 Major choice (Information Technology)

Select 48 credit points from the following options: 48cp

MAJ02080	Business Information Systems Management	48cp
MAJ03444	Enterprise Systems Development	48cp
MAJ03445	Internetworking and Applications	48cp
MAJ02081	Data Analytics	48cp

Total 48cp

CBK90782 Major/Two sub-majors/Electives

Select 48 credit points from the following options: 48cp

MAJ02080	Business Information Systems Management	48cp
MAJ02081	Data Analytics	48cp
MAJ03444	Enterprise Systems Development	48cp
MAJ03445	Internetworking and Applications	48cp
SMJ02064	Business Information Systems Management	24cp
SMJ02065	Data Analytics	24cp
SMJ02066	Computer Graphics and Animation	24cp
SMJ03036	Enterprise Systems Development	24cp
SMJ03037	Internetworking and Applications	24cp
SMJ08157	Business Accounting	24cp
SMJ09040	Introductory Economics	24cp
SMJ08159	Employment Relations	24cp
SMJ08160	International Management	24cp
SMJ01010	Electronics and Computer Interfacing	24cp
SMJ01012	Physics	24cp
SMJ01032	Statistical Modelling	24cp
SMJ02057	Scientific Computing	24cp
SMJ09034	International Studies	24cp
SMJ09035	Language other than English	24cp
SMJ09036	Specialist Country Studies	24cp
SMJ08188	Accounting for Small Business	24cp
SMJ08198	Advertising Principles	24cp
SMJ08197	Marketing Principles	24cp
SMJ08196	Innovation	24cp
CBK90783	Electives	24cp
CBK90784	Electives	24cp
SMJ01026	Quantitative Management	24cp
SMJ10051	Network Security	24cp

Total 48cp

CBK90783 Electives

Free choice of electives.

CBK90784 Electives

Free choice of electives.

CBK90785 Electives

Select 12 credit points from the following options: 12cp

31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31748	Programming on the Internet	6cp
31777	Human-Computer Interaction	6cp
31338	Network Servers	6cp
31927	Application Development with .NET	6cp
31100	Enterprise Development with .NET	6cp
31005	Advanced Data Analytics	6cp
31241	3D Computer Animation	6cp
31242	Advanced Internet Programming	6cp
31245	Business Process and IT Strategy	6cp
31246	Network Design	6cp
31247	Collaborative Business Processes	6cp
31249	Computer Graphics Rendering Techniques	6cp
31250	Introduction to Data Analytics	6cp
31251	Data Structures and Algorithms	6cp
48730	Network Security	6cp
31254	e-Commerce	6cp
31256	Image Processing and Pattern Recognition	6cp
31257	Information System Development Methodologies	6cp
31258	Innovations for Global Relationship Management	6cp
31259	Intelligent Agents	6cp
31261	Internetworking Project	6cp
31262	Introduction to Computer Game Design	6cp
31263	Introduction to Computer Game Programming	6cp
31264	Introduction to Computer Graphics	6cp
31268	Web Systems	6cp
31274	Network Management	6cp
31275	Mobile Networking	6cp

31276	Networked Enterprise Architecture	6cp
31277	Routing and Internetworks	6cp
31283	WANs and Virtual LANs	6cp
31284	Web Services Development	6cp
31285	Mobile Applications Development	6cp
		Total 12cp

CBK90786 Electives

Select 24 credit points from the following options: 24cp

31080	Digital Multimedia	6cp
31097	IT Operations Management	6cp
31335	Extreme Programming	6cp
31748	Programming on the Internet	6cp
31777	Human-Computer Interaction	6cp
31338	Network Servers	6cp
31927	Application Development with .NET	6cp
31100	Enterprise Development with .NET	6cp
31005	Advanced Data Analytics	6cp
31241	3D Computer Animation	6cp
31242	Advanced Internet Programming	6cp
31245	Business Process and IT Strategy	6cp
31246	Network Design	6cp
31247	Collaborative Business Processes	6cp
31249	Computer Graphics Rendering Techniques	6cp
31250	Introduction to Data Analytics	6cp
31251	Data Structures and Algorithms	6cp
48730	Network Security	6cp
31254	e-Commerce	6cp
31256	Image Processing and Pattern Recognition	6cp
31257	Information System Development Methodologies	6cp
31258	Innovations for Global Relationship Management	6cp
31259	Intelligent Agents	6cp
31261	Internetworking Project	6cp
31262	Introduction to Computer Game Design	6cp
31263	Introduction to Computer Game Programming	6cp
31264	Introduction to Computer Graphics	6cp
31268	Web Systems	6cp
31274	Network Management	6cp
31275	Mobile Networking	6cp
31276	Networked Enterprise Architecture	6cp
31277	Routing and Internetworks	6cp
31283	WANs and Virtual LANs	6cp
31284	Web Services Development	6cp
31285	Mobile Applications Development	6cp
		Total 24cp

CBK90787 Electives

Select 24 credit points from the following options: 24cp

57989	Mise-en-Scene	8cp
57014	Feature Writing	8cp
57031	Non-fiction Writing	8cp
57041	Narrative Writing	8cp
57046	Professional Editing	8cp
57053	Book Publishing and Marketing	8cp
57101	Advanced Screenwriting	8cp
57122	Short Fiction Workshop	8cp
57124	Novel Writing	8cp
57133	Writing Poetry	8cp
57142	Writing for the Screen	8cp
57144	Popular Fiction	8cp
57145	Freelance Writing	8cp
		Total 24cp

CBK90788 Options

Select 12 credit points from the following options: 12cp

013975	Designing and Developing Simulations and Games	6cp
013082	Aboriginal Social and Political History	6cp
013102	Introduction to Language	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013972	Organisational Learning	6cp
013099	Individualised Project 1	6cp
013124	Work and People	6cp
013977	Teaching and Learning in Practice	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013982	Aboriginal Cultures	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
013980	Identity, Culture and Communication	6cp
		Total 12cp

CBK90793 Stream choice

Select 48 credit points from the following options: 48cp

STM90210	Accounting stream	48cp
STM90212	Management stream	48cp
STM90213	Marketing stream	48cp
STM90798	Economics stream (Honours)	48cp
STM90799	Finance stream (Honours)	48cp
		Total 48cp

CBK90795 Electives

Select 24 credit points from the following options: 24cp

15146	Sustainable Urban Development	6cp
15142	Property Development Process	6cp
17700	Planning and Environmental Law	6cp
11400	Digital Theory	6cp
85509	Design Differences: Community Identities	6cp
89200	Graphic Visualisation	6cp
11361	Special Project (Theory)	6cp
11362	Special Project (Technology)	6cp
11363	Special Project (Communications)	6cp
11364	Special Project (Design)	6cp
11365	Special Project (Offshore)	6cp
11308	Reading and Writing Architectural Criticism	6cp
11312	Modern Western Aesthetics	6cp
11311	Drawing to Diagrams: Topics in Architectural Theory	6cp
11316	Architectural Communications: Building Information Modelling	6cp
15143	Group Project A: Urban Renewal	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp
11313	Exploring Space 1: from Simple Beginnings to Baudrillard	6cp
89205	Design for Three-Dimensional Computer Animation	6cp
		Total 24cp

CBK90796 Foundation subject choice A

Select 6 credit points from the following options: 6cp

65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp
91161	Cell Biology and Genetics	6cp
91107	The Biosphere	6cp
21129	Managing People and Organisations	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
31266	Introduction to Information Systems	6cp
31268	Web Systems	6cp
31269	Business Requirements Modelling	6cp
31271	Database Fundamentals	6cp
48023	Programming Fundamentals	6cp
70110	Introduction to Law	6cp
		Total 6cp

CBK90797 Foundation subject choice B

Select 6 credit points from the following options: 6cp

65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91400	Human Anatomy and Physiology	6cp
91123	Biocomplexity	6cp
68070	Introduction to Materials	6cp
68201	Physics in Action	6cp
65242	Principles of Forensic Science	6cp
21129	Managing People and Organisations	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
31266	Introduction to Information Systems	6cp
31268	Web Systems	6cp
31269	Business Requirements Modelling	6cp

31271	Database Fundamentals	6cp
48023	Programming Fundamentals	6cp
48024	Applications Programming	6cp
70110	Introduction to Law	6cp
		Total 6cp

CBK90798 Sub-major/Electives

Select 24 credit points from the following options: 24cp

CBK90232	Electives (Science UG)	24cp
SMJ10031	Physics	24cp
SMJ01031	Statistics (Physical Sciences)	24cp
SMJ02054	Scientific Computing	24cp
SMJ09060	Australian Language and Culture Studies	24cp
		Total 24cp

CBK90799 Choice

Select 12 credit points from the following options: 12cp

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49013	Managing Information Technology in Engineering	6cp
		Total 12cp

CBK90800 Electives/Sub-major (MAP)

Select 48 credit points from the following options: 48cp

57011	Research and Reporting for Journalism	8cp
57109	Film Animation	8cp
57008	Digital Libraries and Collections	8cp
57142	Writing for the Screen	8cp
57166	Documentary Production	8cp
57172	Advanced Moving Image	8cp
57173	Advanced Post Production	8cp
57175	Creative Producing	8cp
57176	Directing	8cp
57177	Media Arts and Production Minor Project	8cp
57178	Digital and Multiplatform Storytelling	8cp
57179	Project Development and Creative Practice	8cp
57180	Media Arts and Production Major Project	16cp
SMJ10043	Journalism	24cp
SMJ10044	Screenwriting	24cp
57061	Issues in Documentary	8cp
57183	Soundtrack	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 48cp

CBK90801 Sub-major/Electives

Select 24 credit points from the following options: 24cp

CBK90232	Electives (Science UG)	24cp
SMJ01048	Environmental Sciences	24cp
		Total 24cp

CBK90802 Choice

Select 24 credit points from the following options: 24cp

32516	Internet Programming	6cp
32509	Interaction Design	6cp
32525	Web Services Technologies and Applications	6cp
32549	Advanced Internet Programming	6cp
32209	Advanced Topics in Computer Networks	6cp
32548	Network Security	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32521	WANS and VLANS	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32995	People Management for IT	6cp
32012	Internet Quality of Service (QoS)	6cp
32013	.NET Enterprise Development	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32106	Agile Method Engineering	6cp
32118	Mobile Communications and Computing	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32146	Data Visualisation and Visual Analytics	6cp
32147	Introduction to IT Management	6cp
32210	Computer Vision and Image Processing	6cp
32309	Digital Forensics	6cp
32405	User-Centred Design Methods	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32527	Internetwork Design	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32550	Advances in Requirements Engineering	6cp
32702	Contemporary Telecommunications	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42904	Cloud Computing and Software as a Service	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
32001	Mobile Commerce Technologies	6cp
32931	Technology Research Methods	6cp
		Total 24cp

CBK90803 Choice

Select 18 credit points from the following options: 18cp

32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp

32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32571	Enterprise Software Testing	6cp
32148	Enterprise Computing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32012	Internet Quality of Service (QoS)	6cp
32013	.NET Enterprise Development	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32106	Agile Method Engineering	6cp
32118	Mobile Communications and Computing	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32146	Data Visualisation and Visual Analytics	6cp
32147	Introduction to IT Management	6cp
32210	Computer Vision and Image Processing	6cp
32309	Digital Forensics	6cp
32405	User-Centred Design Methods	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32521	WANS and VLANS	6cp
32527	Internetwork Design	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32550	Advances in Requirements Engineering	6cp
32702	Contemporary Telecommunications	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42904	Cloud Computing and Software as a Service	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 18cp

CBK90804 Choice

Select 36 credit points from the following options: 36cp

32001	Mobile Commerce Technologies	6cp
32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32933	Research Project	6cp
32934	Research Project	12cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32541	Project Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 36cp

CBK90805 Choice

Select 60 credit points from the following options: 60cp

32001	Mobile Commerce Technologies	6cp
32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32933	Research Project	6cp
32934	Research Project	12cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp

32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32541	Project Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 60cp

CBK90806 Electives (MAP)

Select 24 credit points from the following options: 24cp

CBK90834	Electives (MAP + MAP cross-disciplinary)	24cp
CBK90835	Electives (MAP)	24cp
		Total 24cp

CBK90807 Electives

Select 18 credit points from the following options: 18cp

22708	Accounting Information Systems	6cp
22766	Assurance for Enterprise Systems	6cp
22759	Accounting and ERP	6cp
22777	International Accounting	6cp
25741	Capital Markets	6cp
25765	Corporate Finance	6cp
22776	Business Information Systems	6cp
22783	Business Intelligence 2: Advanced Planning	6cp
22787	Business Project Management	6cp
22797	Business Intelligence 1: Advanced Analysis	6cp
22782	Business Process Integration with ERP	6cp
		Total 18cp

CBK90809 Elective (Medical Science)

Select 6 credit points from the following options: 6cp

91359	Advanced Immunology	6cp
91358	Advanced Haematology	6cp
91338	Clinical Bacteriology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91335	Molecular Biology 2	6cp
91403	Medical Imaging	6cp
		Total 6cp

CBK90810 Electives A (Biomedical Science)

Select 12 credit points from the following options: 12cp

91338	Clinical Bacteriology	6cp
91358	Advanced Haematology	6cp
91344	Medical and Diagnostic Biochemistry	6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
		Total 12cp

CBK90811 Electives B (Biomedical Science)

Select 12 credit points from the following options: 12cp

91129	Transfusion Science	6cp
91352	Parasitology	6cp
91345	Biochemistry, Genes and Disease	6cp
91402	Anatomical Pathology	6cp
		Total 12cp

CBK90812 Major choice

Select 48 credit points from the following options: 48cp

MAJ08517	Management	48cp
MAJ08964	International Business	48cp
		Total 48cp

CBK90813 Year 3 (Business)

Free choice of electives.

CBK90814 Elective choice

Select 24 credit points from the following options: 24cp

SMJ10034	Journalism	24cp
CBK90138	Electives (PSM) (B)	24cp
		Total 24cp

CBK90815 Electives

Select 12 credit points from the following options: 12cp

11308	Reading and Writing Architectural Criticism	6cp
11361	Special Project (Theory)	6cp
11312	Modern Western Aesthetics	6cp
		Total 12cp

CBK90816 Choice

Select 24 credit points from the following options: 24cp

32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32933	Research Project	6cp
32934	Research Project	12cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32012	Internet Quality of Service (QoS)	6cp
32013	.NET Enterprise Development	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32106	Agile Method Engineering	6cp
32118	Mobile Communications and Computing	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp

32145	Commercial Environment of IT	6cp
32146	Data Visualisation and Visual Analytics	6cp
32147	Introduction to IT Management	6cp
32210	Computer Vision and Image Processing	6cp
32309	Digital Forensics	6cp
32405	User-Centred Design Methods	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32549	Advanced Internet Programming	6cp
32550	Advances in Requirements Engineering	6cp
32702	Contemporary Telecommunications	6cp
32527	Internetwork Design	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42904	Cloud Computing and Software as a Service	6cp
49227	Wireless Sensor Networks	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 24cp

CBK90817 Choice

Select 48 credit points from the following options: 48cp

32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32933	Research Project	6cp
32934	Research Project	12cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32012	Internet Quality of Service (QoS)	6cp
32013	.NET Enterprise Development	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32106	Agile Method Engineering	6cp
32118	Mobile Communications and Computing	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32146	Data Visualisation and Visual Analytics	6cp
32147	Introduction to IT Management	6cp
32210	Computer Vision and Image Processing	6cp
32309	Digital Forensics	6cp
32405	User-Centred Design Methods	6cp
32527	Internetwork Design	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32550	Advances in Requirements Engineering	6cp
32702	Contemporary Telecommunications	6cp
49227	Wireless Sensor Networks	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42904	Cloud Computing and Software as a Service	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
		Total 48cp

CBK90819 Choice

Select 6 credit points from the following options: 6cp

92332	Introduction to Specialty Practice: Community Health Nursing	6cp
92333	Introduction to Specialty Practice: Critical Care Nursing	6cp
92334	Introduction to Specialty Practice: Family and Child Health Nursing	6cp
92335	Introduction to Specialty Practice: Mental Health Nursing	6cp
92336	Introduction to Specialty Practice: Palliative Care	6cp
92337	Introduction to Specialty Practice: Women's Health	6cp
92338	Introduction to Specialty Practice: Australian Indigenous Health Care	6cp
92339	Introduction to Specialty Practice: Aged Care Nursing	6cp
92340	Introduction to Specialty Practice: Paediatric Nursing	6cp
92341	Introduction to Specialty Practice: Perioperative Nursing	6cp
		Total 6cp

CBK90820 Electives

Select 24 credit points from the following options: 24cp

35472	Honours Seminar 1	6cp
35473	Honours Seminar 2	6cp
35474	Honours Seminar 3	6cp
35475	Honours Seminar 4	6cp
35466	Advanced Stochastic Processes	6cp
35322	Advanced Analysis	6cp
35457	Multivariate Statistics	6cp
		Total 24cp

CBK90821 Options

Select 6 credit points from the following options: 6cp

35342	Nonlinear Methods in Quantitative Management	6cp
35335	Mathematical Methods	6cp
35391	Seminar (Mathematics)	6cp
		Total 6cp

CBK90822 Sub-major choice

Select 24 credit points from the following options: 24cp

CBK90673	Design option	24cp
CBK90674	Design options	24cp
		Total 24cp

CBK90823 Elective choice

Free choice of electives.

CBK90824 Electives (Online Journalism)

Select 8 credit points from the following options: 8cp

57151	Storytelling with Sound and Image	8cp
57152	Investigative Research in the Digital Environment	8cp
		Total 8cp

CBK90825 Electives (Investigative Journalism)

Select 8 credit points from the following options: 8cp

57014	Feature Writing	8cp
57061	Issues in Documentary	8cp
57021	Journalism Internship	8cp
57138	International and Comparative Journalism	8cp
57155	Online Journalism	8cp
57012	Regulation of the Media	8cp
57151	Storytelling with Sound and Image	8cp
		Total 8cp

CBK90826 Electives (Adult Education)

Select 6 credit points from the following options: 6cp

010071	Professional Practice 2 Language Literacy and Numeracy	6cp
010073	Professional Practice 2 Vocational Education and Training	6cp
010075	Professional Practice 2 Human Resource Development	6cp
		Total 6cp

CBK90827 Electives (Non-fiction Writing)

Select 24 credit points from the following options: 24cp

57011	Research and Reporting for Journalism	8cp
57041	Narrative Writing	8cp
57046	Professional Editing	8cp
57145	Freelance Writing	8cp
57152	Investigative Research in the Digital Environment	8cp
57165	True Crime	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 24cp

CBK90828 Electives/Sub-major (Non-fiction Writing)

Select 24 credit points from the following options: 24cp

CBK90827	Electives (Non-fiction Writing)	24cp
SMJ10042	Media Arts and Production	24cp
		Total 24cp

CBK90829 Electives (TESOL foundation)

Select 12 credit points from the following options: 12cp

013096	Grammar and the Construction of Meaning	6cp
013107	Phonology and Pronunciation	6cp
013117	Theory and Practice of Literacy	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
		Total 12cp

CBK90830 Electives (TESOL specialisation)

Select 12 credit points from the following options: 12cp

013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013105	Language Development	6cp
013132	Technology Enhanced Language Learning	6cp
013141	Language Programming and Assessment	6cp
010039	Teaching English for Academic Purposes	6cp
013104	Language and Power	6cp
013983	Academic Literacies in TESOL and Applied Linguistics	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 12cp

CBK90831 Electives (TESOL)

Select 42 credit points from the following options: 42cp

010039	Teaching English for Academic Purposes	6cp
013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013105	Language Development	6cp
013107	Phonology and Pronunciation	6cp
013117	Theory and Practice of Literacy	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013132	Technology Enhanced Language Learning	6cp
013141	Language Programming and Assessment	6cp
013104	Language and Power	6cp
013112	Research Design	6cp
57999	Digital and Multiplatform Storytelling	6cp
013983	Academic Literacies in TESOL and Applied Linguistics	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 42cp

CBK90832 Electives (MAP cross-disciplinary)

Select 8 credit points from the following options: 8cp

57011	Research and Reporting for Journalism	8cp
57109	Film Animation	8cp
57008	Digital Libraries and Collections	8cp
57142	Writing for the Screen	8cp
		Total 8cp

CBK90833 Electives (MAP)

Select 16 credit points from the following options: 16cp

57166	Documentary Production	8cp
57172	Advanced Moving Image	8cp
57173	Advanced Post Production	8cp
57175	Creative Producing	8cp
57176	Directing	8cp
57177	Media Arts and Production Minor Project	8cp
57178	Digital and Multiplatform Storytelling	8cp
57179	Project Development and Creative Practice	8cp
57061	Issues in Documentary	8cp
57183	Soundtrack	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 16cp

CBK90834 Electives (MAP + MAP cross-disciplinary)

Select 24 credit points from the following options: 24cp

CBK90832	Electives (MAP cross-disciplinary)	8cp
CBK90833	Electives (MAP)	16cp
		Total 24cp

CBK90835 Electives (MAP)

Select 24 credit points from the following options: 24cp

57166	Documentary Production	8cp
57172	Advanced Moving Image	8cp
57173	Advanced Post Production	8cp
57175	Creative Producing	8cp
57176	Directing	8cp
57177	Media Arts and Production Minor Project	8cp
57178	Digital and Multiplatform Storytelling	8cp
57179	Project Development and Creative Practice	8cp
57061	Issues in Documentary	8cp
57183	Soundtrack	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 24cp

CBK90836 Sub-major choice

Select 24 credit points from the following options: 24cp

CBK90838	Design option	24cp
CBK90839	Design options	24cp
		Total 24cp

CBK90837 Elective choice

Free choice of electives.

CBK90838 Design option

Select 24 credit points from the following options: 24cp

SMJ10047	VFX Design	24cp
		Total 24cp

CBK90839 Design options

Select 24 credit points from the following options: 24cp

88211	Animation Studio: Narrative Experimentations	12cp
88212	Animation Studio: Animation Practice	12cp
88201	Animation Studio: VFX Design Introduction	12cp
88202	Animation Studio: VFX Design Advanced	12cp
		Total 24cp

CBK90840 Electives (Operations Supply Chain Manager)

Select 12 credit points from the following options: 12cp

21745	Service Operations Management	6cp
21779	Management Skills	6cp
21827	Change Management	6cp
21832	Managing for Sustainability	6cp
22782	Business Process Integration with ERP	6cp
CBK90387	Electives (Law/Business)	6cp
		Total 12cp

CBK90842 Health Research RPL

Free choice of electives.

CBK90844 Research choice

Select 12 credit points from the following options: 12cp

32934	Research Project	12cp
STM90766	Research stream	12cp
		Total 12cp

CBK90845 Choice

Select 18 credit points from the following options: 18cp

32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32510	Principles of Object-oriented Programming in C++	6cp
32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32012	Internet Quality of Service (QoS)	6cp
32013	.NET Enterprise Development	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32106	Agile Method Engineering	6cp
32118	Mobile Communications and Computing	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32146	Data Visualisation and Visual Analytics	6cp
32147	Introduction to IT Management	6cp
32210	Computer Vision and Image Processing	6cp
32309	Digital Forensics	6cp
32405	User-Centred Design Methods	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32549	Advanced Internet Programming	6cp
32550	Advances in Requirements Engineering	6cp
32702	Contemporary Telecommunications	6cp
32527	Internetwork Design	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42901	Object-Relational Databases	6cp
42904	Cloud Computing and Software as a Service	6cp
49227	Wireless Sensor Networks	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
32931	Technology Research Methods	6cp
		Total 18cp

CBK90846 Choice

Select 42 credit points from the following options: 42cp

32209	Advanced Topics in Computer Networks	6cp
32509	Interaction Design	6cp
32516	Internet Programming	6cp
32521	WANS and VLANS	6cp
32525	Web Services Technologies and Applications	6cp
32528	Network Management	6cp
32547	UNIX Systems Programming	6cp
32548	Network Security	6cp
32549	Advanced Internet Programming	6cp
32558	Business Intelligence	6cp
32559	Business Systems Design	6cp
32560	Information Systems Architecture Design	6cp
95563	Digital Media Development Process	6cp
95564	Digital Media Technologies	6cp
95565	Digital Graphics and the Still Image	6cp
95566	Digital Information and Interaction Design	6cp
95567	Digital Media in Social Context	6cp
95568	Digital Sound and the Moving Image	6cp
32113	Advanced Database	6cp
32567	Business Intelligence for Decision Support	6cp
32568	Business Intelligence Modelling and Analysis	6cp
32569	Enterprise Business Requirements	6cp
32570	Enterprise Software Architecture and Middleware	6cp
32148	Enterprise Computing	6cp
32571	Enterprise Software Testing	6cp
32513	Advanced Data Analytics Algorithms	6cp
32530	Building Intelligent Agents	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32603	Systems Quality Management	6cp
32208	Information Systems Strategy	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
32998	.NET Application Development	6cp
32130	Fundamentals of Data Analytics	6cp
32039	Recent Advances in Software Engineering	6cp
32040	Industry Project	6cp
32120	Introduction to e-Business Technology	6cp
32510	Principles of Object-oriented Programming in C++	6cp

32531	Global Information Systems	6cp
32901	Recent Advances in Computer Systems	6cp
32902	Recent Advances in Information Systems	6cp
32012	Internet Quality of Service (QoS)	6cp
32013	.NET Enterprise Development	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32106	Agile Method Engineering	6cp
32118	Mobile Communications and Computing	6cp
32131	Data Mining and Visualisation	6cp
32133	e-Market Trading Technology	6cp
32145	Commercial Environment of IT	6cp
32146	Data Visualisation and Visual Analytics	6cp
32147	Introduction to IT Management	6cp
32210	Computer Vision and Image Processing	6cp
32309	Digital Forensics	6cp
32405	User-Centred Design Methods	6cp
32527	Internetwork Design	6cp
32535	Database in Distributed Environments	6cp
32536	Advanced Software Modelling	6cp
32550	Advances in Requirements Engineering	6cp
32702	Contemporary Telecommunications	6cp
49227	Wireless Sensor Networks	6cp
32050	Programming with Patterns	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
49048	Wireless Networking Technologies	6cp
49110	3G Mobile Communication Systems	6cp
42900	Sustainability and Information Systems	6cp
42904	Cloud Computing and Software as a Service	6cp
42901	Object-Relational Databases	6cp
42002	Enterprise Application Development Using Cloud Platforms	6cp
42889	iOS Application Development	6cp
42890	4G Mobile Technologies	6cp
42891	Infrastructure for Cloud Computing	6cp
32931	Technology Research Methods	6cp
		Total 42cp

CBK90847 Electives

Select 8 credit points from the following options:		8cp
57026	Strategic Communication and Negotiation	8cp
57131	Inventive Media Advertising	8cp
57132	Media Relations	8cp
		Total 8cp

CBK90848 Elective

Select 8 credit points from the following options:		8cp
57997	Professional Communication Project	8cp
57024	Managing Public Communication Strategies	8cp
57132	Media Relations	8cp
57026	Strategic Communication and Negotiation	8cp
57996	Marketing and Corporate Communication	8cp
57131	Inventive Media Advertising	8cp
57035	Organisational Change and Communication	8cp
57994	Managing Organisational Communication	8cp
57995	Learning in Organisations	8cp
57087	Knowledge Management and the Organisation	8cp
57175	Creative Producing	8cp
57167	Moving Image	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 8cp

CBK90849 Major choice

Select 24 credit points from the following options:		24cp
MAJ08057	Integrated Communication	24cp
MAJ08058	Public Relations	24cp
MAJ08059	Organisational Change and Communication	24cp
STM90770	No specified major	24cp
		Total 24cp

CBK90850 Management electives

Select 12 credit points from the following options:		12cp
21591	Transnational Management	6cp
21513	Business Ethics and Sustainability	6cp
		Total 12cp

CBK90851 Biomedical Engineering

49261	Biomedical Instrumentation	6cp
Select 6 credit points from the following options:		6cp
91400	Human Anatomy and Physiology	6cp
91429	Physiological Bases of Human Movement	6cp
		Total 12cp

CBK90852 Biomedical Engineering

Select 18 credit points from the following options:		18cp
49275	Neural Networks and Fuzzy Logic	6cp
49274	Advanced Robotics	6cp
49048	Wireless Networking Technologies	6cp
91705	Medical Devices and Diagnostics	6cp
91403	Medical Imaging	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp
		Total 18cp

CBK90853 Engineering Management

Select 18 credit points from the following options:		18cp
49001	Judgment and Decision Making	6cp
49006	Risk Management in Engineering	6cp
49016	Technology and Innovation Management	6cp
49306	Quality and Operations Management Systems	6cp
60904	Innovation, Entrepreneurship and Commercialisation	6cp
		Total 18cp

CBK90854 Biomedical Engineering

Select 12 credit points from the following options:		12cp
49275	Neural Networks and Fuzzy Logic	6cp
49274	Advanced Robotics	6cp
49048	Wireless Networking Technologies	6cp
91705	Medical Devices and Diagnostics	6cp
91403	Medical Imaging	6cp
91140	BioNanotechnology	6cp
91239	Human Pathophysiology	6cp
		Total 12cp

CBK90855 Electives (Community and Not-for-Profit Management)

The electives chosen should comprise postgraduate subjects only.

Completion requirements

Free choice of electives.

CBK90856 Major choice

Select 72 credit points from the following options:		72cp
MAJ06215	Health Research	72cp
MAJ08968	Planning	72cp
MAJ08969	Safety and Quality in Health Care	72cp
MAJ08970	Clinical Management	72cp
STM90712	Health Services Management (No major)	72cp
		Total 72cp

CBK90857 Electives

Select 12 credit points from the following options:		12cp
92713	Health Breakdown	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92607	Education for Practice Development	6cp
92721	Health Promotion and Health Education	6cp
92847	Planning and Evaluating Health Services	6cp
92848	Facilitation of Clinical Learning	6cp
92878	Care of the Child in Illness and Disability	6cp
92881	Foundations of Perioperative Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
92887	Organisational Management in Health Care	6cp
92902	Care of the Acutely Ill Child	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92917	Using Health Care Data for Decision Making	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
92932	Management for Clinicians	6cp
92609	Pharmacological Therapies in Advanced Practice	6cp
92946	Project Part A	6cp
92947	Project Part B	6cp
92812	Project	12cp

92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
92296	Epidemiology and Population Health	6cp
92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
92050	Policy, Power and Politics in Health Care	6cp
92295	Advanced Health Services Planning	6cp
92021	Perinatal Mental Health	6cp
98728	Leadership, Accountability and Role Development in Advanced Practice	6cp
92613	Principles of Child and Family Health Nursing	6cp
92934	Clinical Management of Diabetes	6cp
015356	Learning in Diabetes Education	6cp
92845	Primary Health Care	6cp
92620	Family and Community Health Practice	6cp
98727	Quality Use of Medicines in Advanced Practice	6cp
92869	Specialty Clinical Practice	6cp
		Total 12cp

CBK90858 Options (JD)

Select 24 credit points from the following options: 24cp

78100	Postgraduate Legal Research	8cp
78102	LLM Project by Research	8cp
78104	Genetics and the Law	8cp
78106	Climate Law and Carbon Markets	8cp
78110	Banking and Finance Law	8cp
78112	Securities Regulation	8cp
78118	Business and Law in China	8cp
78119	Commercial Arbitration (Domestic)	8cp
78121	Corporate Insolvency	8cp
78123	Deceptive Trade Practices	8cp
78124	Dispute Resolution in Commerce	8cp
78125	Corporate Governance	8cp
78127	Advanced Mediation	8cp
78128	Child Law in Australia	8cp
78130	Complex Parenting Disputes	8cp
78132	Complex Financial and Property Disputes (in Family Law)	8cp
78134	Current Issues in Family Law	8cp
78136	Dispute Resolution	8cp
78137	Facilitation	8cp
78139	Family Dispute Resolution	8cp
78140	International and Comparative Family Law	8cp
78142	New Families, New Technologies	8cp
78143	Psychology and Dispute Resolution	8cp
78144	Contemporary Issues in Health Law	8cp
78146	Dilemmas in Biomedical Law	8cp
78148	Law and Medicine	8cp
78149	Law and Mental Health	8cp
78151	Human Rights Law	8cp
78152	International Commercial Transactions	8cp
78154	International Criminal Law	8cp
78155	International Environmental Law: Policy and Implementation	8cp
78157	Private International Law	8cp
78163	Law and Regulation	8cp
78165	Media and Entertainment Law and Regulation	8cp
78171	Crisis Negotiation	8cp
78172	Dispute Resolution in Civil Practice	8cp
78174	Mediation Practice	8cp
78175	Negotiation	8cp
78176	Workplace Dispute Resolution	8cp
78177	Converging Media Industries: Regulatory Challenges	8cp
78179	Telecommunications Law and Regulations	8cp
78183	Global Aspects of Intellectual Property Law	8cp
78185	Intellectual Property: Law and Policy	8cp
78187	Intellectual Property and Traditional Knowledge	8cp
78189	Intellectual Property Commercialisation	8cp
78190	Patent Law	8cp
78191	Patent Systems	8cp
78192	Trade Marks Law	8cp
78193	Trade Marks Practice	8cp
78194	Designs Law and Practice	8cp
78195	Copyright Law	8cp
78196	Insurance Law	8cp
78202	International Development Law	8cp
78204	Legal Perspectives on the Internet	8cp
78207	International Organisations	8cp
78208	Taxation of Commercial Enterprises	8cp
78211	Law and Literature	8cp
78213	Communications and Technology: A Primer	8cp
78215	Finance Law	8cp
78217	Competition Law in a Global Context	8cp
78219	Animal Law and Policy in Australia	8cp
78221	Commercial Equity	8cp
78223	Law of Slavery and Human Trafficking	8cp
78224	International Trade Law and the Environment	8cp
78228	Financial Services Law and Compliance in Australia	8cp
77800	International Commercial Dispute Resolution	8cp
78249	Privacy and Surveillance: Law and Policy	8cp
		Total 24cp

CBK90860 PM advanced

Select 48 credit points from the following options: 48cp

15350	Professional Project Practice	6cp
15326	Project Management Practicum	6cp
15327	Managing Project Complexity	6cp
15330	Program Management	6cp
15336	Systems Thinking for Managers	6cp
15338	Strategic Procurement and Contract Management	6cp
15346	Governance and Leadership of Project Management	6cp
15356	Project Performance Improvement	6cp
15462	Introduction to Research	6cp
15463	The Research Process	6cp
15325	Negotiation and Conflict Management	6cp
CBK90861	PM specialist sub-major	24cp
15349	Integrated Project Delivery Management	6cp
15348	Commercial Management of Projects	6cp
15335	Project Appraisal and Finance	6cp
		Total 48cp

CBK90861 PM specialist sub-major

Select 24 credit points from the following options: 24cp

SMJ08216	Business	24cp
SMJ03061	Engineering	24cp
SMJ02069	Information Technology	24cp
SMJ08217	Construction	24cp
		Total 24cp

CBK90862 Software Innovation choice

Select 36 credit points from the following options: 36cp

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
		Total 36cp

CBK90863 Telecommunications Innovation choice

Select 36 credit points from the following options: 36cp

48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
		Total 36cp

CBK90864 Computer Systems Innovation choice

Select 36 credit points from the following options: 36cp

48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
		Total 36cp

CBK90865 Mechanical Innovation choice

Select 24 credit points from the following options: 24cp

48660	Dynamics and Control	6cp
60101	Chemistry and Materials Science	6cp
48641	Fluid Mechanics	6cp
48651	Thermodynamics	6cp
48661	Heat Transfer	6cp
48640	Machine Dynamics	6cp
48663	Advanced Manufacturing	6cp
48601	Mechanical Vibration and Measurement	6cp
		Total 24cp

CBK90866 Mechanical and Mechatronics Innovation choice

Select 12 credit points from the following options: 12cp

48660	Dynamics and Control	6cp
48520	Electronics and Circuits	6cp
48641	Fluid Mechanics	6cp
48651	Thermodynamics	6cp
48640	Machine Dynamics	6cp
48531	Electromechanical Automation	6cp
		Total 12cp

CBK90867 Biomedical Engineering stream choice

Select 12 credit points from the following options: 12cp

STM90778	Physical sciences stream	12cp
STM90779	Biomedical sciences stream	12cp
		Total 12cp

CBK90868 Major choice (SecEd)

Free choice of electives.

CBK90869 Electives (SecEd)

Free choice of electives.

CBK90870 HSIE options (SecEd)

Select 12 credit points from the following options: 12cp

STM90781	Business Studies/Economics subjects (SecEd)	12cp
STM90782	Business Studies/Economics/History subjects (SecEd)	12cp
STM90783	Business Studies/Economics/Society and Culture subjects (SecEd)	12cp
STM90784	Business Studies/Economics/Legal Studies subjects (SecEd)	12cp
STM90785	History/Society and Culture subjects (SecEd)	12cp
STM90786	History/Legal Studies subjects (SecEd)	12cp
STM90787	Society and Culture/Legal Studies subjects (SecEd)	12cp
		Total 12cp

CBK90871 Sub-major options

Select 24 credit points from the following options: 24cp

CBK90872	Options	24cp
CBK90873	Sub-major options	24cp
		Total 24cp

CBK90872 Options

Select 24 credit points from the following options: 24cp

84712	Product Engineering	12cp
84812	Innovation and Commercialisation in Integrated Product Design	12cp
		Total 24cp

CBK90873 Sub-major options

Free choice of electives.

CBK90874 Project options

Select 24 credit points from the following options: 24cp

84906	Professional Studio	12cp
84907	Integrated Product Design Major Project: Realisation	12cp
84900	Superstudio	24cp
		Total 24cp

CBK90875 Electives (International Business)

Select 12 credit points from the following options: 12cp

20103	Global Operations and Supply Chain Management	6cp
20300	International Trade and Investment	6cp
20502	International Banking Management	6cp
20503	Investment Analysis and Risk Management	6cp
		Total 12cp

CBK90876 Electives (Management)

Select 12 credit points from the following options: 12cp

20107	Sustainable Enterprise	6cp
20103	Global Operations and Supply Chain Management	6cp
21513	Business Ethics and Sustainability	6cp
22320	Accounting for Business Combinations	6cp
22321	Cost Management Systems	6cp
22420	Accounting Standards and Regulations	6cp
20201	Understanding Financial Reports Prepared under IFRS	6cp
20200	Financial Statement Analysis and Valuation	6cp
20600	Collaborative Business Processes	6cp
20601	Information System Development Methodologies	6cp
		Total 12cp

CBK90877 Options

Select 36 credit points from the following options: 36cp

15602	Social Planning and Development	6cp
15603	Integrated Strategic Planning	6cp
15606	Vocational Competencies 1	6cp
15607	Vocational Competencies 2	6cp
15609	Local Environmental Management	6cp
15610	Local Government Leadership: Personal and Professional Skills	6cp
15611	Managing Local Enterprise	6cp
15618	New Perspectives in Local Government Leadership	6cp
15622	Enhancing Local Government Service Delivery	6cp
		Total 36cp

CBK90878 Electives (Clinical Leadership)

Select 12 credit points from the following options: 12cp

92946	Project Part A	6cp
92947	Project Part B	6cp
92790	Evidence-based Practice	6cp
92612	Research in Health	6cp
15315	Project Management Principles	6cp
15312	Communication and Critical Thinking	6cp
23787	Health Technology Assessment	6cp
21856	Career and Portfolio Development	6cp
21766	Managing Community Organisations	6cp
21778	Resource Mobilisation	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
		Total 12cp

CBK90879 Electives

Select 12 credit points from the following options: 12cp

92932	Management for Clinicians	6cp
92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp
92847	Planning and Evaluating Health Services	6cp
92295	Advanced Health Services Planning	6cp
26703	Introductory Health Economics	6cp
23787	Health Technology Assessment	6cp
21856	Career and Portfolio Development	6cp
21766	Managing Community Organisations	6cp
21778	Resource Mobilisation	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
		Total 12cp

CBK90881 Level 1 Subjects

Select 24 credit points from the following options: 24cp

91403	Medical Imaging	6cp
91706	Neuroscience	6cp
48623	Mechatronics 2	6cp
48560	Introductory Control	6cp
31005	Advanced Data Analytics	6cp
31050	Programming with Patterns	6cp
31256	Image Processing and Pattern Recognition	6cp
31250	Introduction to Data Analytics	6cp
		Total 24cp

CBK90882 Level 2 Subjects

Select 12 credit points from the following options: 12cp

41105	Biomedical Signal and Image Processing	6cp
42001	Bioinformatics	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49261	Biomedical Instrumentation	6cp
		Total 12cp

CBK90883 Level 1 Subjects

Select 24 credit points from the following options: 24cp

91403	Medical Imaging	6cp
91706	Neuroscience	6cp
48623	Mechatronics 2	6cp
48560	Introductory Control	6cp
31005	Advanced Data Analytics	6cp
31050	Programming with Patterns	6cp
31256	Image Processing and Pattern Recognition	6cp
31250	Introduction to Data Analytics	6cp
91705	Medical Devices and Diagnostics	6cp
		Total 24cp

CBK90884 Electives (Finance Extended)

Select 30 credit points from the following options: 30cp

25728	Bond Portfolio Management	6cp
25729	Applied Portfolio Management	6cp
25752	Financial Institution Lending	6cp
25762	Derivatives and Risk Management	6cp
25796	Personal Wealth Management	6cp
25807	Mergers and Acquisitions	3cp
25824	Project Finance	3cp
77947	Companies and Securities Law	6cp
25782	Alternative Investments	6cp
25783	Behavioural Finance	3cp
		Total 30cp

CBK90885 Major/Electives (Business Management)

Select 36 credit points from the following options: 36cp

MAJ08972	Human Resources and Management	36cp
MAJ08973	Operations and Supply Chain Management	36cp
CBK90886	Electives (Management Extended)	36cp
		Total 36cp

CBK90886 Electives (Management Extended)

Select 36 credit points from the following options: 36cp

CBK90387	Electives (Law/Business)	6cp
21854	Innovation and Entrepreneurship	6cp
77942	Legal Aspects of Contracts Administration	6cp
21008	Management Consulting	6cp
21012	Governance and Sustainability	6cp
21743	Business Excellence	6cp
21745	Service Operations Management	6cp
21797	Strategic Supply Chain Management	6cp
27715	Sport Business	6cp
21751	Management Research Methods	6cp
27733	The Experience Economy	6cp
27778	Innovative Services Management	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
27734	Marketing for the Experience Industries	6cp
21722	Leadership, Coaching and Mentoring	6cp
21877	Strategic Procurement	6cp
21702	Industrial Relations	6cp
21724	Strategic Human Resource Management	6cp
21760	Performance and Talent Management	6cp
21833	International Human Resources Management	6cp
		Total 36cp

CBK90887 Electives (Management Extended)

Select 12 credit points from the following options: 12cp

21854	Innovation and Entrepreneurship	6cp
21722	Leadership, Coaching and Mentoring	6cp
21008	Management Consulting	6cp
21012	Governance and Sustainability	6cp
77942	Legal Aspects of Contracts Administration	6cp
		Total 12cp

CBK90888 Electives (HRM Extended)

Select 36 credit points from the following options: 36cp

CBK90387	Electives (Law/Business)	6cp
21741	Managing Operations	6cp
21811	Global Strategic Management	6cp
21832	Managing for Sustainability	6cp
21854	Innovation and Entrepreneurship	6cp
21856	Career and Portfolio Development	6cp
77942	Legal Aspects of Contracts Administration	6cp
21008	Management Consulting	6cp
21012	Governance and Sustainability	6cp
21743	Business Excellence	6cp
21745	Service Operations Management	6cp
21797	Strategic Supply Chain Management	6cp
27715	Sport Business	6cp
21751	Management Research Methods	6cp
27733	The Experience Economy	6cp
27778	Innovative Services Management	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
27734	Marketing for the Experience Industries	6cp
		Total 36cp

CBK90889 Electives (Marketing Extended)

Select 36 credit points from the following options: 36cp

24706	Strategic Services Marketing	6cp
24707	Strategic Business Marketing	6cp
24713	Marketing Channel Management	6cp
24736	Marketing Communications	6cp
24738	Strategic International Marketing	6cp
24742	New Product Management	6cp
24750	Marketing Analytics	6cp
24757	Research Methodology and Data Analysis Tools	6cp
24759	Research Design and Data Collection Tools	6cp
24760	Pricing and Revenue Management	6cp
CBK90387	Electives (Law/Business)	6cp
21779	Management Skills	6cp
21854	Innovation and Entrepreneurship	6cp
		Total 36cp

CBK90890 Theory and Technology subjects (Design)

Select 36 credit points from the following options: 36cp

89105	Design Activism	6cp
89106	Researching Contexts	6cp
89107	Innovation and Entrepreneurship: A	6cp
89108	Technology Workshop: Creative Play	6cp
89109	Technology Workshop: Experimental Media	6cp
89110	Engaging Texts: Interpreting Contexts	6cp
89171	Innovation and Entrepreneurship: B	6cp
89172	Engaging Texts: Cross-Disciplinary Conversations	6cp
89173	Technology Workshop: New Poetics	6cp
		Total 36cp

CBK90891 Language, Culture and Society choice

Select 24 credit points from the following options: 24cp

STM90800	China stream	24cp
STM90801	Japan stream	24cp
STM90802	France stream	24cp
STM90803	Spain stream	24cp
STM90804	Germany stream	24cp
STM90805	Italy stream	24cp
STM90806	Canada (Quebec) stream	24cp
STM90807	Switzerland stream	24cp
STM90808	Chile stream	24cp
STM90809	Mexico stream	24cp
STM90810	Argentina stream	24cp
STM90811	Colombia stream	24cp
STM90812	Latino USA stream	24cp
		Total 24cp

CBK90893 Major choice

Select 48 credit points from the following options: 48cp

MAJ09412	China	48cp
MAJ09413	Japan	48cp
MAJ09414	France	48cp
MAJ09415	Spain	48cp
MAJ09416	Germany	48cp
MAJ09417	Italy	48cp
MAJ09418	Canada (Quebec)	48cp
MAJ09419	Switzerland	48cp
MAJ09420	Chile	48cp
MAJ09421	Mexico	48cp
MAJ09422	Argentina	48cp
MAJ09423	Colombia	48cp
MAJ09424	Latin(o) USA	48cp

Total 48cp

CBK90894 Electives (Screenwriting)

Select 8 credit points from the following options: 8cp

57041	Narrative Writing	8cp
57154	Writing Television Drama	8cp
57989	Mise-en-Scene	8cp
57178	Digital and Multiplatform Storytelling	8cp

Total 8cp

CBK90895 Switzerland options

Select 16 credit points from the following options: 16cp

CBK90492	German Language and Culture	16cp
CBK90490	French Language and Culture	16cp
CBK90493	Italian Language and Culture	16cp

Total 16cp

CBK90896 Electives (Journalism)

Select 16 credit points from the following options: 16cp

57012	Regulation of the Media	8cp
57013	Journalism Studies	8cp
57014	Feature Writing	8cp
57021	Journalism Internship	8cp
57138	International and Comparative Journalism	8cp
57150	Editing and Design	8cp
57151	Storytelling with Sound and Image	8cp
57155	Online Journalism	8cp
57156	Radio Journalism	8cp
57158	Television and Video Journalism	8cp
57161	Investigative Journalism	8cp
57184	Documentary: Expanded, Mobile and Networked	8cp
57166	Documentary Production	8cp
57187	Specialist Journalism	8cp
57152	Investigative Research in the Digital Environment	8cp

Total 16cp

CBK90897 Electives (Journalism)

Select 24 credit points from the following options: 24cp

57012	Regulation of the Media	8cp
57013	Journalism Studies	8cp
57014	Feature Writing	8cp
57021	Journalism Internship	8cp
57138	International and Comparative Journalism	8cp
57150	Editing and Design	8cp
57155	Online Journalism	8cp
57156	Radio Journalism	8cp
57158	Television and Video Journalism	8cp
57161	Investigative Journalism	8cp
57152	Investigative Research in the Digital Environment	8cp
57184	Documentary: Expanded, Mobile and Networked	8cp
57166	Documentary Production	8cp
57187	Specialist Journalism	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp

Total 24cp

CBK90898 Electives (Journalism)

Select 24 credit points from the following options: 24cp

57012	Regulation of the Media	8cp
57014	Feature Writing	8cp
57021	Journalism Internship	8cp
57138	International and Comparative Journalism	8cp
57150	Editing and Design	8cp
57155	Online Journalism	8cp
57156	Radio Journalism	8cp
57158	Television and Video Journalism	8cp
57161	Investigative Journalism	8cp
57152	Investigative Research in the Digital Environment	8cp
57184	Documentary: Expanded, Mobile and Networked	8cp
57187	Specialist Journalism	8cp
57166	Documentary Production	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp

Total 24cp

CBK90899 Choices (Journalism PG)

Select 8 credit points from the following options: 8cp

57012	Regulation of the Media	8cp
57138	International and Comparative Journalism	8cp

Total 8cp

CBK90900 Electives (International Studies)

Select 16 credit points from the following options: 16cp

57011	Research and Reporting for Journalism	8cp
57022	Foundations of Communication	8cp
57025	Intercultural and International Communication	8cp
57028	Research for Communication Professionals	8cp
57031	Non-fiction Writing	8cp
57138	International and Comparative Journalism	8cp
57100	People, Information and Knowledge	8cp
57145	Freelance Writing	8cp
57152	Investigative Research in the Digital Environment	8cp
57167	Moving Image	8cp
57178	Digital and Multiplatform Storytelling	8cp
57182	Rethinking Media	8cp
57061	Issues in Documentary	8cp
97101	Chinese Language and Culture 1	8cp
97102	Chinese Language and Culture 2	8cp
97103	Chinese Language and Culture 3	8cp
97104	Chinese Language and Culture 4	8cp
97105	Chinese Language and Culture 5	8cp
97106	Chinese Language and Culture 6	8cp
97111	Chinese Festivals and Ceremonies	8cp
97112	Chinese Film	8cp
97109	Chinese Mass Media	8cp
97110	Twentieth Century Chinese Fiction	8cp
97201	Japanese Language and Culture 1	8cp
97202	Japanese Language and Culture 2	8cp
97203	Japanese Language and Culture 3	8cp
97204	Japanese Language and Culture 4	8cp
97205	Japanese Language and Culture 5	8cp
97206	Japanese Language and Culture 6	8cp
97207	Japanese Films and Popular Culture	8cp
97208	Japanese Language and Identity	8cp
97209	Japanese Media and Current Issues	8cp
97210	Transcultural Communication in Japanese	8cp
97401	French Language and Culture 1	8cp
97402	French Language and Culture 2	8cp
97403	French Language and Culture 3	8cp
97404	French Language and Culture 4	8cp
97405	French Language and Culture 5	8cp
97406	French Language and Culture 6	8cp
97407	Francophone Identities in Conflict	8cp
97408	Show and Tell: Francophone Cultures on Display	8cp
97409	Francophone Cultures of Consumption	8cp
97410	Places and Spaces of the Francophone World	8cp

97501	Spanish Language and Culture 1	8cp
97502	Spanish Language and Culture 2	8cp
97503	Spanish Language and Culture 3	8cp
97504	Spanish Language and Culture 4	8cp
97505	Spanish Language and Culture 5	8cp
97506	Spanish Language and Culture 6	8cp
97507	Spanish Language and Culture 7	8cp
97508	Spanish Language and Culture 8	8cp
97601	German Language and Culture 1	8cp
97602	German Language and Culture 2	8cp
97603	German Language and Culture 3	8cp
97604	German Language and Culture 4	8cp
97605	German Language and Culture 5	8cp
97606	German Language and Culture 6	8cp
97607	German Language and Culture 7	8cp
97608	German Language and Culture 8	8cp
97801	Italian Language and Culture 1	8cp
97802	Italian Language and Culture 2	8cp
97803	Italian Language and Culture 3	8cp
97804	Italian Language and Culture 4	8cp
97805	Italian Language and Culture 5	8cp
97806	Italian Language and Culture 6	8cp
97807	Italian Language and Culture 7	8cp
97808	Italian Language and Culture 8	8cp
979510	Contemporary China	8cp
979511	Contemporary Japan	8cp
979512	Contemporary France	8cp
979513	Contemporary Spain	8cp
979514	Contemporary Germany	8cp
979515	Contemporary Italy	8cp
979516	Contemporary Canada (Quebec)	8cp
979517	Contemporary Switzerland	8cp
979518	Contemporary Latin(o) Americas	8cp
59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 16cp

CBK90901 Electives (Planning)

Select 12 credit points from the following options: 12cp

15315	Project Management Principles	6cp
15312	Communication and Critical Thinking	6cp
15313	Project Procurement and Risk Management	6cp
15316	Project Management Knowledge Areas	6cp
23787	Health Technology Assessment	6cp
21856	Career and Portfolio Development	6cp
21766	Managing Community Organisations	6cp
21778	Resource Mobilisation	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
		Total 12cp

CBK90902 Electives

Select 12 credit points from the following options: 12cp

92947	Project Part B	6cp
92790	Evidence-based Practice	6cp
92612	Research in Health	6cp
15315	Project Management Principles	6cp
15312	Communication and Critical Thinking	6cp
23787	Health Technology Assessment	6cp
21856	Career and Portfolio Development	6cp
21766	Managing Community Organisations	6cp
21778	Resource Mobilisation	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
15313	Project Procurement and Risk Management	6cp
15316	Project Management Knowledge Areas	6cp
		Total 12cp

CBK90903 Electives (Midwifery)

Free choice of electives.

CBK90904 Electives (Midwifery)

Free choice of electives.

CBK90905 Major choice (Engineering)

Select 114 credit points from the following options: 114cp

MAJ03028	Electrical Engineering	114cp
MAJ03030	Mechanical Engineering	114cp
MAJ03450	Mechanical and Mechatronic Engineering	114cp
MAJ03025	Civil Engineering	114cp
MAJ03026	Civil and Environmental Engineering	114cp
MAJ03449	ICT Engineering	114cp
CBK90036	No specified major	114cp
MAJ03473	Biomedical Engineering	114cp
		Total 114cp

CBK90910 Research options (Property Economics)

Select 48 credit points from the following options: 48cp

STM90821	Valuation and Law subjects (Property Economics)	24cp
STM90822	Finance and Investment subjects (Property Economics)	24cp
STM90823	Development and Planning subjects (Property Economics)	24cp
STM90824	Property thesis stream	24cp
		Total 48cp

CBK90911 Sport and Exercise Science Year 3 choice

Select 48 credit points from the following options: 48cp

MAJ06216	Exercise Science	48cp
MAJ09428	Health and Physical Education	48cp
STM90838	No specified major	48cp
		Total 48cp

CBK90912 Electives

Free choice of electives.

CBK90913 Sport and Exercise Science electives

Free choice of electives.

CBK90915 Sport and Exercise Management electives

Free choice of electives.

CBK90916 Adult Education and Community Management choice

Select 6 credit points from the following options: 6cp

013980	Identity, Culture and Communication	6cp
013954	Program Design	6cp
013977	Teaching and Learning in Practice	6cp
015033	Programming for Community Learning	6cp
		Total 6cp

CBK90917 Adult Education and Community Management choice

Select 12 credit points from the following options: 12cp

013954	Program Design	6cp
013977	Teaching and Learning in Practice	6cp
015033	Programming for Community Learning	6cp
013978	Research and Inquiry	6cp
		Total 12cp

CBK90918 Adult Education and Community Management choice

Select 18 credit points from the following options: 18cp

21224	Indigenous Community Research	6cp
21225	Managing Human Resources in Indigenous Organisations	6cp
21041	Australian Indigenous Social and Political Development	6cp
21136	Resource Management in Nonprofit Organisations	6cp
21223	Social Analysis and Indigenous Community Organisations	6cp
21044	Strategic Management of Nonprofit Organisations	6cp
21140	Monitoring Organisational Performance	6cp
21185	Social Change and Community Practice	6cp
		Total 18cp

CBK90919 Adult Education and Community Management choice

Select 24 credit points from the following options: 24cp

21225	Managing Human Resources in Indigenous Organisations	6cp
21041	Australian Indigenous Social and Political Development	6cp
21136	Resource Management in Nonprofit Organisations	6cp
21223	Social Analysis and Indigenous Community Organisations	6cp
21044	Strategic Management of Nonprofit Organisations	6cp
21140	Monitoring Organisational Performance	6cp
21185	Social Change and Community Practice	6cp
21058	Management Project	6cp
21184	Government and Community Sector	6cp
21042	Australian Indigenous Studies Research Project	6cp
		Total 24cp

CBK90920 Options (JD)

Select 30 credit points from the following options: 30cp

77701	International Economic Law (PG)	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77903	Copyright Law	6cp
77930	Insurance Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78010	International Criminal Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
78042	Environmental Planning and Development Law	6cp
78101	Postgraduate Legal Research	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78129	Child Law in Australia	6cp
78138	Facilitation	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78173	Dispute Resolution in Civil Practice	6cp
78178	Telecommunications Law and Regulations	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78181	Deceptive Trade Practices	6cp
78182	Human Rights Law	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78188	Intellectual Property Commercialisation	6cp
78201	International Development Law	6cp
78206	International Organisations	6cp
78210	Law and Literature	6cp
78212	Communications and Technology: A Primer	6cp
79771	Dispute Resolution	6cp
78214	Finance Law	6cp
78216	Competition Law in a Global Context	6cp
78220	Commercial Equity	6cp
78222	Law of Slavery and Human Trafficking	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78229	Disability and the Law	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78238	History and Theory of Intellectual Property	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp
78296	Postgraduate Exchange Subject 1	6cp
78297	Postgraduate Exchange Subject 2	6cp
78298	Postgraduate Exchange Subject 3	6cp
78299	Postgraduate Exchange Subject 4	6cp
78242	Property Rights and the Environment	6cp
76055	Mining Law and Regulation	6cp
76050	Commercial Trade and Transport Law	6cp
78209	Taxation of Commercial Enterprises	6cp
78243	Advanced Trusts Law	6cp
78244	Mergers and Acquisitions Law	6cp
78245	Public Health Law	6cp
78246	Work Law	6cp
78248	Privacy and Surveillance: Law and Policy	6cp
77891	Patent Systems	6cp
78247	Collaborative Law	6cp
		Total 30cp

CBK90921 Options (Legal Theory PG)

Select 6 credit points from the following options: 6cp

78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78238	History and Theory of Intellectual Property	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp
78210	Law and Literature	6cp
		Total 6cp

CBK90922 Options (Law UG)

Select 30 credit points from the following options: 30cp

76016	Advanced Revenue Law	6cp
76047	Advanced Contracts	6cp
76003	Asian Law and Legal Systems	6cp
76074	Australian Civil Liberties Law	6cp
76070	Biomedical Law and Bioethics	6cp
76066	Children and the Law	6cp
76048	Citizenship and Immigration Law	6cp
76069	Community Justice Studies	6cp
76075	Contemporary Legal Studies 1	6cp
76076	Contemporary Legal Studies 2	6cp
78021	Contemporary Issues in Constitutional Law	6cp
76012	Criminology	6cp
76023	Deceptive Trade Practices and Product Liability	6cp
76052	Dispute Resolution Advocacy	6cp
76024	Environmental Law	6cp
76801	Exchange Subject 1	6cp
76802	Exchange Subject 2	6cp
76803	Exchange Subject 3	6cp
76804	Exchange Subject 4	6cp
76516	Family Law	6cp
76080	Finance Law	6cp
76007	International Human Rights Law	6cp
76068	Indigenous Peoples and the Law	6cp
76703	Indigenous Peoples, the Environment and Property	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76521	Intellectual Property and Traditional Knowledge	6cp

77794	International Environmental Law	6cp
76005	Islamic Law	6cp
76039	Jessup International Moot	6cp
76008	Jurisprudence	6cp
76015	Labour Law	6cp
76045	Medicine and Law	6cp
78008	Law of the Sea	6cp
76063	Media Law	6cp
76900	Moot	6cp
76040	Research Thesis	6cp
76027	Competition Law	6cp
76212	Revenue Law	6cp
76002	Sports Law	6cp
76517	Succession	6cp
76901	Vis Arbitral Moot	6cp
77704	European Union Law	6cp
77715	Banking Law	6cp
77901	Securities Markets Law	6cp
78025	Intellectual Property: Law and Policy	6cp
78040	The Law and Education	6cp
76081	Gender, Law and Sexuality	6cp
76037	Advanced Criminal Law	6cp
78039	Wickedness and Vice	6cp
76019	Broadcasting and Telecommunications Regulation	6cp
76009	Introduction to Chinese Business Law	6cp
76013	World Trade Law	6cp
76001	Comparative Law	6cp
76112	Conflict of Laws	6cp
76010	Disability and the Law	6cp
76020	Entertainment Law	6cp
76021	Advanced Remedies	6cp
78013	Refugee Law and Practice	6cp
76022	Insurance Law	6cp
76025	International Organisations	6cp
76902	Law and Literature	6cp
76903	International Commercial Transactions	6cp
78030	Criminal Sentencing Law	6cp
76030	Genetics and the Law	6cp
76036	International Trade Law and the Environment	6cp
76034	Law of Slavery and Human Trafficking	6cp
76033	Animal Law and Policy in Australia	6cp
76038	Law and Mental Health	6cp
76041	Climate Law and Carbon Markets	6cp
76043	Building and Construction Law	6cp
76056	Intellectual Property Commercialisation Overview	6cp
76904	Price International Media Law Moot	6cp
76057	Judgement and the Rule of Law	6cp
76083	Ngiya - Talk the Law: Editorial Role	6cp
76084	Copyright and Designs	6cp
76085	Trademarks and Patents	6cp
		Total 30cp

CBK90923 Options (Legal Theory UG)

Select 6 credit points from the following options: 6cp

76057	Judgement and the Rule of Law	6cp
76008	Jurisprudence	6cp
76081	Gender, Law and Sexuality	6cp
76033	Animal Law and Policy in Australia	6cp
78039	Wickedness and Vice	6cp
		Total 6cp

CBK90924 Options

Select 24 credit points from the following options: 24cp

77724	International Banking and Finance Law	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77891	Patent Systems	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77903	Copyright Law	6cp
77930	Insurance Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
78101	Postgraduate Legal Research	6cp
78107	Climate Law and Carbon Markets	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78138	Facilitation	6cp
78153	International Commercial Transactions	6cp
78158	Private International Law	6cp
78173	Dispute Resolution in Civil Practice	6cp
78181	Deceptive Trade Practices	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78188	Intellectual Property Commercialisation	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78214	Finance Law	6cp
78216	Competition Law in a Global Context	6cp
78220	Commercial Equity	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78238	History and Theory of Intellectual Property	6cp
78210	Law and Literature	6cp
78212	Communications and Technology: A Primer	6cp
78229	Disability and the Law	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp
78242	Property Rights and the Environment	6cp
78243	Advanced Trusts Law	6cp
78244	Mergers and Acquisitions Law	6cp
78245	Public Health Law	6cp
78246	Work Law	6cp
78247	Collaborative Law	6cp
78248	Privacy and Surveillance: Law and Policy	6cp
76050	Commercial Trade and Transport Law	6cp
76055	Mining Law and Regulation	6cp
77701	International Economic Law (PG)	6cp
77716	International Trade Law	6cp
77734	Law and Medicine	6cp
77976	World Trade Organisation Law and Practice	6cp
78010	International Criminal Law	6cp
78016	International Humanitarian Law	6cp
78042	Environmental Planning and Development Law	6cp
78129	Child Law in Australia	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78182	Human Rights Law	6cp
78201	International Development Law	6cp
78222	Law of Slavery and Human Trafficking	6cp
78296	Postgraduate Exchange Subject 1	6cp
78297	Postgraduate Exchange Subject 2	6cp
78298	Postgraduate Exchange Subject 3	6cp
78299	Postgraduate Exchange Subject 4	6cp
79771	Dispute Resolution	6cp
77740	Research Paper	6cp
78105	Genetics and the Law	6cp
		Total 24cp

CBK90925 Options (Animation)

Select 24 credit points from the following options: 24cp

32510	Principles of Object-oriented Programming in C++	6cp
57169	Moving Image	6cp
57170	Sound and Interaction	6cp
57171	Writing for the Screen	6cp
57999	Digital and Multiplatform Storytelling	6cp
89202	3D Digital Animation 1	6cp
89203	3D Digital Animation 2	6cp
89204	2D Digital Animation	6cp
89205	Design for Three-Dimensional Computer Animation	6cp
31262	Introduction to Computer Game Design	6cp
31263	Introduction to Computer Game Programming	6cp
57108	Film Animation	6cp
		Total 24cp

CBK90926 Options (Educational Studies)

Select 72 credit points from the following options: 72cp

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
010072	Professional Practice 1 Vocational Education and Training	6cp
010073	Professional Practice 2 Vocational Education and Training	6cp
010074	Professional Practice 1 Human Resource Development	6cp
010075	Professional Practice 2 Human Resource Development	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
013055	Organisational Workplace Learning	6cp
013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013088	Educational Management	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013831	Maths for Numeracy Teachers	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
015012	International Perspectives on Adult Education	6cp
		Total 72cp

CBK90927 Options (Educational Studies)

Select 96 credit points from the following options: 96cp

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
010072	Professional Practice 1 Vocational Education and Training	6cp
010073	Professional Practice 2 Vocational Education and Training	6cp
010074	Professional Practice 1 Human Resource Development	6cp
010075	Professional Practice 2 Human Resource Development	6cp
010140	Exchange Elective 1 (Education)	6cp
010141	Exchange Elective 2 (Education)	6cp
010142	Exchange Elective 3 (Education)	6cp
010143	Exchange Elective 4 (Education)	6cp
013055	Organisational Workplace Learning	6cp
013081	Aboriginal Studies Project	6cp
013082	Aboriginal Social and Political History	6cp
013088	Educational Management	6cp
013097	Human Resource Development in Organisations	6cp
013099	Individualised Project 1	6cp
013102	Introduction to Language	6cp
013103	Issues in Aboriginal Education	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013124	Work and People	6cp
013148	Initiatives in Aboriginal Education	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013151	Project Management	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013831	Maths for Numeracy Teachers	6cp
013958	Language Teaching Methodology	6cp
013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013967	e-Learning Design	6cp
013971	Teaching and Learning Numeracy	6cp
013972	Organisational Learning	6cp
013975	Designing and Developing Simulations and Games	6cp
013976	Strategic Human Resource Development	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013981	Teaching Aboriginal Studies	6cp
015012	International Perspectives on Adult Education	6cp
		Total 96cp

CBK90932 Design choice (Honours)

Select 24 credit points from the following options: 24cp

MAJ10039	Design for Change Studio	24cp
MAJ10040	Fashion and Textile Studio	24cp
MAJ10041	Experimental Visual Communications Studio	24cp
MAJ10042	Interactivation Studio	24cp
MAJ03474	Objects and Accessories Studio	24cp
MAJ03475	Lighting Studio	24cp
		Total 24cp

CBK90933 Complementary Design Studio choice

Select 12 credit points from the following options: 12cp

85820	Sustainability, Design and Creative Futures: Being Human	12cp
85821	Sustainability, Design and Creative Futures: Spatio-Temporal Shifts	12cp
85822	Sustainability, Design and Creative Futures: Critical Economies	12cp
85823	Textile and Fashion Innovation	12cp
85824	Reframing Fashion and Textile Practice	12cp
85826	Experimental Visual Communications: Research Through Design	12cp
85827	Experimental Visual Communications: Visualising the Invisible	12cp

85830	Lighting Studio: Time and Change	12cp
85831	Lighting Studio: Light, Materials and Space	12cp
85833	Interactivation Studio A	12cp
85834	Interactivation Studio B	12cp
85836	Objects and Accessories Studio: Fold	12cp
85837	Objects and Accessories Studio: Layer	12cp
85839	Design Capstone Studio	12cp
		Total 12cp

CBK90934 Theory and Technology Design choice (Honours)

Select 12 credit points from the following options: 12cp

85801	Design Activism	6cp
85802	Engaging Texts: Interpreting Contexts	6cp
85803	Engaging Texts: Cross-Disciplinary Conversations	6cp
85804	Researching Contexts	6cp
85805	Technology Workshop: Creative Play	6cp
85806	Technology Workshop: Experimental Media	6cp
85807	Technology Workshop: New Poetics	6cp
85808	Innovation and Entrepreneurship A	6cp
85809	Innovation and Entrepreneurship B	6cp
		Total 12cp

CBK90935 Animation Essentials choice

Select 18 credit points from the following options: 18cp

89210	Animation Fundamentals	6cp
Select one of the following:		6cp
89211	Narrative Writing for Animation	6cp
31262	Introduction to Computer Game Design	6cp
32543	3D Animation	6cp
89200	Graphic Visualisation	6cp
57130	Animation Concepts Seminar	6cp
		Total 18cp

CBK90936 Animation Studio major choice

Select 36 credit points from the following options: 36cp

MAJ10043	Game Design Studio	36cp
MAJ10044	Film and Video Studio	36cp
		Total 36cp

CBK90937 Animation Studio Support choice

Select 18 credit points from the following options: 18cp

32543	3D Animation	6cp
57108	Film Animation	6cp
57130	Animation Concepts Seminar	6cp
89200	Graphic Visualisation	6cp
Select one of the following:		6cp
89211	Narrative Writing for Animation	6cp
31262	Introduction to Computer Game Design	6cp
		Total 18cp

CBK90938 Electives

Free choice of electives.

CBK90939 Electives

Free choice of electives.

CBK90940 Animation Essentials choice

Select 24 credit points from the following options: 24cp

89210	Animation Fundamentals	6cp
32543	3D Animation	6cp
57130	Animation Concepts Seminar	6cp
89200	Graphic Visualisation	6cp
Select one of the following:		6cp
89211	Narrative Writing for Animation	6cp
31262	Introduction to Computer Game Design	6cp
		Total 24cp

CBK90941 Enginnering major choice

Select 102 credit points from the following options: 102cp

CBK90053	No specified major	102cp
MAJ03013	Civil Engineering	102cp
MAJ03014	Civil and Environmental Engineering	102cp
MAJ03017	Electrical Engineering	102cp
MAJ03019	Mechanical Engineering	102cp
MAJ03448	ICT Engineering	102cp
		Total 102cp

CBK90942 Options

Select 48 credit points from the following options: 48cp

70102	Foundations of Law	8cp
70114	Criminal Law and Procedure	8cp
70211	Contracts	8cp
70311	Torts	8cp
70616	Australian Constitutional Law	8cp
70317	Real Property	8cp
70327	Commercial Law	6cp
70107	Principles of Company Law	8cp
70617	Administrative Law	8cp
70517	Equity and Trusts	8cp
75422	Transactional Practice	6cp
75423	Litigation and Estate Practice	6cp
75424	Legal and Professional Skills	6cp
70104	Civil Practice	6cp
70103	Ethics Law and Justice	6cp
70109	Evidence	6cp
		Total 48cp

CBK90943 Options (Security)

Select 18 credit points from the following options: 18cp

41900	Fundamentals of Security	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
		Total 18cp

CBK90944 Network Security Innovation choice

Select 18 credit points from the following options: 18cp

41900	Fundamentals of Security	6cp
48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
		Total 18cp

CBK90948 Electives (Health Services)

Select 12 credit points from the following options: 12cp

92050	Policy, Power and Politics in Health Care	6cp
92296	Epidemiology and Population Health	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp
		Total 12cp

CBK90949 Options

Select 18 credit points from the following options: 18cp

77724	International Banking and Finance Law	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77760	Family Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77783	International Commercial Dispute Resolution	6cp
77792	Crisis Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77891	Patent Systems	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77903	Copyright Law	6cp
77930	Insurance Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
78029	Mediation Practice	6cp
78101	Postgraduate Legal Research	6cp
78107	Climate Law and Carbon Markets	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78138	Facilitation	6cp
78153	International Commercial Transactions	6cp
78158	Private International Law	6cp

78173	Dispute Resolution in Civil Practice	6cp
78181	Deceptive Trade Practices	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78188	Intellectual Property Commercialisation	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
78214	Finance Law	6cp
78216	Competition Law in a Global Context	6cp
78220	Commercial Equity	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78238	History and Theory of Intellectual Property	6cp
78210	Law and Literature	6cp
78212	Communications and Technology: A Primer	6cp
78229	Disability and the Law	6cp
78235	Justice	6cp
78236	Environmental Ethics	6cp
78237	Law and Place	6cp
78239	International Feminist Perspectives	6cp
78240	Western Legal Theory	6cp
78241	Reading the Law: Language, Power and Ideology	6cp
78242	Property Rights and the Environment	6cp
78243	Advanced Trusts Law	6cp
78244	Mergers and Acquisitions Law	6cp
78245	Public Health Law	6cp
78246	Work Law	6cp
78247	Collaborative Law	6cp
78248	Privacy and Surveillance: Law and Policy	6cp
76050	Commercial Trade and Transport Law	6cp
76055	Mining Law and Regulation	6cp
77701	International Economic Law (PG)	6cp
77716	International Trade Law	6cp
77734	Law and Medicine	6cp
77740	Research Paper	6cp
77976	World Trade Organisation Law and Practice	6cp
78010	International Criminal Law	6cp
78016	International Humanitarian Law	6cp
78042	Environmental Planning and Development Law	6cp
78105	Genetics and the Law	6cp
78129	Child Law in Australia	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78182	Human Rights Law	6cp
78201	International Development Law	6cp
78222	Law of Slavery and Human Trafficking	6cp
78296	Postgraduate Exchange Subject 1	6cp
78297	Postgraduate Exchange Subject 2	6cp
78298	Postgraduate Exchange Subject 3	6cp
78299	Postgraduate Exchange Subject 4	6cp
79771	Dispute Resolution	6cp
		Total 18cp

CBK90954 Major choice

Select 120 credit points from the following options:		120cp
CBK90010	No specified major	120cp
MAJ03001	Civil Engineering	120cp
MAJ03005	Electrical Engineering	120cp
MAJ03007	Mechanical Engineering	120cp
MAJ03446	ICT Engineering	120cp
MAJ03472	Biomedical Engineering	120cp
		Total 120cp

MAJORS

MAJ01079 Applied Chemistry

33190	Mathematical Modelling for Science	6cp
33290	Statistics and Mathematics for Science	6cp
65111	Chemistry 1	6cp
65212	Chemistry 2	6cp
65202	Organic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp
65307	Physical Chemistry 1	6cp
65409	Analytical Chemistry 2	6cp
65410	Chemical Safety and Legislation	6cp
65411	Inorganic Chemistry 1	6cp
65508	Organic Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
68101	Foundations of Physics	6cp
68201	Physics in Action	6cp
		Total 96cp

MAJ01080 Applied Physics

33190	Mathematical Modelling for Science		6cp
65111	Chemistry 1		6cp
33290	Statistics and Mathematics for Science		6cp
65212	Chemistry 2		6cp
68101	Foundations of Physics		6cp
33360	Mathematics for Physical Science		6cp
68201	Physics in Action		6cp
68070	Introduction to Materials		6cp
68075	Nanomaterials		6cp
68412	Energy Science and Technology		6cp
68315	Imaging Science		6cp
68413	Quantum Physics		6cp
Select one of the following:			6cp
68316	Applied Electronics and Interfacing	6cp	
68416	Computational Physics	6cp	
68606	Solid-state Science and Nanodevices		6cp
Select 12 credit points from the following options:			12cp
68320	Scanning Probe and Electron Microscopy	6cp	
68513	Optics and Nanophotonics	6cp	
68415	Measurement and Analysis of Physical Processes	6cp	
68414	Advanced Mechanics	6cp	
			Total 96cp

MAJ01081 Biomedical Science

91161	Cell Biology and Genetics		6cp
65111	Chemistry 1		6cp
91400	Human Anatomy and Physiology		6cp
65212	Chemistry 2		6cp
91314	General Microbiology		6cp
91320	Metabolic Biochemistry		6cp
91132	Molecular Biology 1		6cp
91330	Epidemiology and Public Health Microbiology		6cp
91500	Histology		6cp
91326	Analytical Biochemistry		6cp
91401	Introductory Haematology and Immunology		6cp
CBK90810	Electives A (Biomedical Science)		12cp
CBK90811	Electives B (Biomedical Science)		12cp
Select one of the following:			6cp
91703	Physiological Systems	6cp	
91142	Biotechnology	6cp	
			Total 96cp

MAJ01082 Environmental Biology

91107	The Biosphere	6cp
65111	Chemistry 1	6cp
91123	Biocomplexity	6cp
65212	Chemistry 2	6cp
91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
91161	Cell Biology and Genetics	6cp
33116	Statistical Design and Analysis	6cp
91145	Environmental Protection and Management	6cp

Select one of the following:			6cp
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	
91309	Biodiversity Conservation		6cp
Select one of the following:			6cp
91121	Aquatic Ecology	6cp	
91116	Wildlife Ecology	6cp	
Select 12 credit points from the following options:			12cp
91155	Stream and Lake Assessment	6cp	
Select one of the following:		6cp	
91370	Semi-arid Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	
			Total 96cp

MAJ01085 Nanotechnology

33190	Mathematical Modelling for Science	6cp
65111	Chemistry 1	6cp
33290	Statistics and Mathematics for Science	6cp
65212	Chemistry 2	6cp
68101	Foundations of Physics	6cp
33360	Mathematics for Physical Science	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp
68075	Nanomaterials	6cp
65307	Physical Chemistry 1	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
67509	Molecular Nanotechnology	6cp
Select 12 credit points from the following options:		12cp
67510	Surface Processes	6cp
91140	BioNanotechnology	6cp
68513	Optics and Nanophotonics	6cp
91320	Metabolic Biochemistry	6cp
		Total 96cp

MAJ01087 Applied Chemistry

65111	Chemistry 1	6cp
65212	Chemistry 2	6cp
65202	Organic Chemistry 1	6cp
65306	Analytical Chemistry 1	6cp
65307	Physical Chemistry 1	6cp
65409	Analytical Chemistry 2	6cp
65410	Chemical Safety and Legislation	6cp
65411	Inorganic Chemistry 1	6cp
65508	Organic Chemistry 2	6cp
65509	Inorganic Chemistry 2	6cp
65606	Analytical Chemistry 3	6cp
65607	Physical Chemistry 2	6cp
Select 6 credit points from the following options:		6cp
67305	Polymer Science	6cp
67509	Molecular Nanotechnology	6cp
65545	Forensic Toxicology	6cp
68075	Nanomaterials	6cp
		Total 78cp

MAJ01088 Applied Physics

65111	Chemistry 1	6cp
68070	Introduction to Materials	6cp
65212	Chemistry 2	6cp
68201	Physics in Action	6cp
68075	Nanomaterials	6cp
33360	Mathematics for Physical Science	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp
68412	Energy Science and Technology	6cp
68416	Computational Physics	6cp
68606	Solid-state Science and Nanodevices	6cp
Select 12 credit points from the following options:		12cp
68320	Scanning Probe and Electron Microscopy	6cp
68415	Measurement and Analysis of Physical Processes	6cp
68414	Advanced Mechanics	6cp
68513	Optics and Nanophotonics	6cp
		Total 78cp

MAJ01089 Environmental Science

91107	The Biosphere	6cp
65111	Chemistry 1	6cp
91123	Biocomplexity	6cp
91154	Ecology	6cp
91110	Experimental Design and Sampling	6cp
Select one of the following:		6cp
91159	Environmental Forensics	6cp
91157	Marine Communities	6cp
91149	Geological Processes	6cp
Select one of the following:		6cp
91309	Biodiversity Conservation	6cp
66513	Marine Geosciences	6cp
91121	Aquatic Ecology	6cp
91120	GIS and Remote Sensing	6cp
91145	Environmental Protection and Management	6cp
91155	Stream and Lake Assessment	6cp
Select 6 credit points from the following options:		6cp
91126	Coral Reef Ecosystems	6cp
91370	Semi-arid Ecology	6cp
91371	Forest and Mountain Ecology	6cp
91309	Biodiversity Conservation	6cp
		Total 78cp

MAJ01090 Biomedical Science

65111	Chemistry 1	6cp
91161	Cell Biology and Genetics	6cp
65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91132	Molecular Biology 1	6cp
91500	Histology	6cp
CBK90595	Electives B (Biomedical Science)	12cp
CBK90594	Electives A (Biomedical Science)	12cp
Select 6 credit points from the following options:		6cp
91129	Transfusion Science	6cp
91352	Parasitology	6cp
91345	Biochemistry, Genes and Disease	6cp
91402	Anatomical Pathology	6cp
		Total 78cp

MAJ01091 Nanotechnology

65111	Chemistry 1	6cp
68070	Introduction to Materials	6cp
65212	Chemistry 2	6cp
68201	Physics in Action	6cp
68075	Nanomaterials	6cp
33360	Mathematics for Physical Science	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp
65307	Physical Chemistry 1	6cp
68606	Solid-state Science and Nanodevices	6cp
67509	Molecular Nanotechnology	6cp
Select 12 credit points from the following options:		12cp
68320	Scanning Probe and Electron Microscopy	6cp
68513	Optics and Nanophotonics	6cp
67510	Surface Processes	6cp
91140	BioNanotechnology	6cp
		Total 78cp

MAJ01095 Mathematics

35100	Introduction to Sample Surveys	6cp
35111	Applications of Discrete Mathematics	6cp
35140	Introduction to Quantitative Management	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35232	Advanced Calculus	6cp
35241	Optimisation in Quantitative Management	6cp
35353	Regression Analysis	6cp
35363	Stochastic Models	6cp
Select 24 credit points from the following options:		24cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35356	Design and Analysis of Experiments	6cp
35361	Stochastic Processes	6cp
35383	High Performance Computing	6cp

35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
		Total 78cp

MAJ01097 Science Management

Select 24 credit points from the following options:		24cp
49125	Environmental Risk Assessment	6cp
49116	Contaminated Site and Waste Remediation	6cp
91551	Ecohydrology and Climate Change	6cp
		Total 48cp

MAJ01100 Applied Chemistry

This major gives students the insight into how chemical substances work and the reasons for their behaviour with a dynamic combination of practice and theory. Students gain strong practical skills and lots of laboratory experience, which is why this major is an 'applied chemistry' major.

Core study areas include analytical, environmental and toxicological chemistry, physical, organic and inorganic chemistry, chemical safety and legislation.

Students have access to sophisticated, cutting-edge technology and instruments in a modern science facility. They also learn from practising scientists and researchers.

Completion requirements

STM90682	Core subjects (Chemistry)	48cp
65509	Inorganic Chemistry 2	6cp
67305	Polymer Science	6cp
65606	Analytical Chemistry 3	6cp
67510	Surface Processes	6cp
CBK90576	Sub-major/Electives (Chemistry)	24cp
		Total 96cp

MAJ01101 Applied Physics

This major enables students to learn about the interactions of energy and matter, precision measurement techniques, measuring and understanding the laws of nature and how new developments in physics are helping to expand the frontiers of technology. This major is a combination of theory and practice with lots of opportunities for practical skills and laboratory experience.

Core study areas include computational physics, electromagnetics, electronics and interfacing, energy science, optics, measurement techniques, quantum and solid-state physics.

Students have access to modern, high technology micro-structural analysis instruments, and are taught how to apply them. Students gain critical thinking skills and how to apply practical problem solving skills in a hands-on environment. They also learn how applied research progresses and the creation of new technology.

Professional recognition: Australian Institute of Physics.

Completion requirements

STM90683	Core subjects (Physics and Nanotechnology)	48cp
68416	Computational Physics	6cp
68412	Energy Science and Technology	6cp
68414	Advanced Mechanics	6cp
68415	Measurement and Analysis of Physical Processes	6cp
CBK90575	Sub-major/Electives	24cp
		Total 96cp

MAJ01102 Nanotechnology

Nanotechnology is understanding how the world works at the level of atoms, molecules and applying that knowledge to make or improve more user-friendly and sustainable products, such as self-cleaning surfaces, energy-efficient window coatings or light bulbs, clear-gel sunscreens, smart materials, and targeted drug delivery systems.

This is a multidisciplinary major that teaches students the valuable knowledge and skills to understand biological, physical and chemical processes at the nanoscale, through a dynamic combination of theory and practical skills.

Core study areas include materials science, nanomaterials, nanotubes, bionanotechnology, molecular nanotechnology, nanoscale sensors, nanodevices, optics, scanned probe, electron microscopy and imaging science.

Hands-on training in nanotechnology tools are a core component of this major.

Professional recognition: Australian Institute of Physics.

Completion requirements

STM90683	Core subjects (Physics and Nanotechnology)	48cp
65307	Physical Chemistry 1	6cp
67509	Molecular Nanotechnology	6cp
91140	BioNanotechnology	6cp
67510	Surface Processes	6cp
CBK90798	Sub-major/Electives	24cp
		Total 96cp

MAJ01103 Biotechnology

This major teaches students the valuable skills to take advantage of and improve the biological processes of living organisms. Biotechnology scientists use these techniques and methods to create new medicine, food and organic substances through applying gene technology and other natural processes.

Core study areas include biotechnology, gene therapy, vaccine development, biobusiness and bioethics, environmental biotechnology, genetic engineering, protein and antibody engineering, and immunology.

Students learn to develop practical laboratory skills and techniques for managing hazards, intellectual property and ethical issues. They also gain professional skills and qualification in biological science and a firm basis in the industrial aspects of biotechnology. This is a comprehensive biotechnology major with a wide range of options for advanced specialisation.

Professional recognition: Australian Biotechnology Association.

Completion requirements

STM90684	Core subjects (Medical and Molecular Biology)		48cp
91335	Molecular Biology 2		6cp
91142	Biotechnology		6cp
91369	Biobusiness and Environmental Biotechnology		6cp
91144	Plant Biotechnology		6cp
91368	Bioreactors and Bioprocessing		6cp
CBK90582	Elective 4		6cp
Select 12 credit points from the following options:			12cp
91129	Transfusion Science	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91402	Anatomical Pathology	6cp	
91359	Advanced Immunology	6cp	
			Total 96cp

MAJ01104 Biomedical Science

This major provides students with in-depth understanding of how the body works at the cellular level, what causes disease and the techniques of laboratory diagnosis of disease, which include expanding areas of molecular-based diagnostic techniques.

Students gain the underpinning knowledge and laboratory skills required to participate in research aimed at disease prevention and treatment.

Core study areas include biochemistry, clinical microbiology, haematology, histology, human anatomy and physiology, immunology, molecular biology, parasitology and pathology.

Students obtain a solid background in the biological and medical sciences, and practical experimentation. A biomedical science major provides excellent underpinning knowledge for entry into a postgraduate medicine program.

Professional recognition: Australian Institute of Medical Scientists (AIMS); this major is one of two degrees that is accredited by AIMS in Sydney.

Completion requirements

STM90684	Core subjects (Medical and Molecular Biology)		48cp
91500	Histology		6cp
CBK90582	Elective 4		6cp
Select 36 credit points from the following options:			36cp
91338	Clinical Bacteriology	6cp	
91358	Advanced Haematology	6cp	
91335	Molecular Biology 2	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91129	Transfusion Science	6cp	
91359	Advanced Immunology	6cp	
91352	Parasitology	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91402	Anatomical Pathology	6cp	
			Total 96cp

MAJ01105 Medical Science

This major focuses on human anatomy and physiology, and provides students with knowledge of the structure, function and control of the body system as well as the aetiology and pathophysiology of disease. It combines a solid grounding in key medical sciences with flexible options for specialisation.

Core study areas include anatomy and physiology, human cell biology, human pathophysiology, medical devices and diagnostics, metabolic biochemistry, microbiology, molecular biology, neuroscience and pharmacology.

Students obtain a solid background in the medical sciences and practical experimentation. The major also provides the foundation knowledge and skills for students who wish to go on to postgraduate programs such as medicine, biomedical engineering, nutrition and dietetics, complementary medicine, public health and health administration.

Completion requirements

STM90684	Core subjects (Medical and Molecular Biology)	48cp
91707	Pharmacology 1	6cp
91706	Neuroscience	6cp
91703	Physiological Systems	6cp
91705	Medical Devices and Diagnostics	6cp
91709	Pharmacology 2	6cp
91708	Medical and Applied Physiology	6cp
91239	Human Pathophysiology	6cp
CBK90582	Elective 4	6cp
		Total 96cp

MAJ01106 Environmental Biology

This major focuses on the foundation components of the natural systems, how these systems work, and how detrimental impacts on them can be assessed and recovered.

Core study areas include population ecology of terrestrial, marine coastal and freshwater systems, interaction of plants, animals and micro-organisms in land and aquatic environments.

Students gain a thorough understanding of the way living organisms function in terrestrial and aquatic environments. They acquire skills to detect and assess detrimental effects on their function and the environment through a dynamic combination of theory, laboratory experience and field trips.

This major places strong emphasis on field trips to places such as the Snowy Mountains, the NSW outback, Heron Island and the Great Barrier Reef.

Professional recognition: Australian Institute for Biology, Australian Ecological Society, Australian Society for Plant Physiology, Australasian Society for Ecotoxicology, Australasian Marine Science Association.

Completion requirements

STM90739	Core disciplinary subjects (Environmental Biology)		36cp
91155	Stream and Lake Assessment		6cp
91116	Wildlife Ecology		6cp
91309	Biodiversity Conservation		6cp
Select one of the following:			6cp
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	
CBK90577	Sub-major/Electives (Environmental Science)		24cp
91363	Animal Behaviour and Physiology		6cp
91270	Plant Physiology and Ecophysiology		6cp
			Total 96cp

MAJ01107 Marine Biology

This major focuses on how the marine environment works and how it can be better managed. Students gain a thorough understanding of the way plants, animals and micro-organisms function in marine ecosystems, including estuarine, shelf and open ocean ranging from tropical, temperate and polar environments.

Core study areas include coral reef ecosystems, environmental protection and management, fisheries resources, marine geoscience, plant physiology and ecophysiology, marine communities and animal behaviour and physiology.

Students learn these concepts and skills through a dynamic combination of theory, laboratory experiences and field trips.

Students also gain skills to detect and assess detrimental impacts on these marine environments resulting from anthropogenic sources and climate changes covered.

Professional recognition: Australasian Marine Science Association.

Completion requirements

STM90739	Core disciplinary subjects (Environmental Biology)		36cp
Select one of the following:			6cp
66513	Marine Geosciences	6cp	
91118	Fisheries Resources	6cp	
91126	Coral Reef Ecosystems		6cp
91156	Marine Productivity and Climate Change		6cp
91157	Marine Communities		6cp
CBK90577	Sub-major/Electives (Environmental Science)		24cp
91363	Animal Behaviour and Physiology		6cp
91270	Plant Physiology and Ecophysiology		6cp
			Total 96cp

MAJ01108 Environmental Forensics

This major is the first of its kind in Australia. It combines the new study area of environmental forensics with law.

Students learn forensic methodology to identify environmental impacts of chemicals on ecosystems, policy and regulation processes, aquatic and terrestrial ecology, environmental management and protection, field and laboratory skills to assess environmental impacts and forensic skills to obtain scientific evidence that can withstand legal inquiry and proceedings.

Core study areas include law and science subjects. The flexibility of this major allows students to develop a science specialty.

Completion requirements

STM90739	Core disciplinary subjects (Environmental Biology)	36cp
79004	Environmental Law and Science	6cp
79023	Environmental Forensic Law	6cp
91309	Biodiversity Conservation	6cp
91155	Stream and Lake Assessment	6cp
CBK90577	Sub-major/Electives (Environmental Science)	24cp
91159	Environmental Forensics	6cp
65621	Environmental Chemistry	6cp
		Total 96cp

MAJ01110 Mathematics

Students gain a good understanding of the mathematical foundations of quantitative methods and modelling technologies used in such areas as finance, logistics, health and market research. Students acquire analytic skills and develop the creative, logical approach to problem solving that enables them to apply their knowledge in real-world situations. The extensive choice of specialty mathematics subjects allows students to customise their degree according to their interests.

Students can also choose additional studies in other areas within science or from other faculties such as business, law or information technology.

Completion requirements

STM90686	Core subjects (Mathematics)		48cp
CBK90578	Sub-major/Electives (Mathematics)		24cp
Select 24 credit points from the following options:			24cp
35252	Mathematical Statistics	6cp	
35356	Design and Analysis of Experiments	6cp	
35383	High Performance Computing	6cp	
35322	Advanced Analysis	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35361	Stochastic Processes	6cp	
35391	Seminar (Mathematics)	6cp	
35335	Mathematical Methods	6cp	
35355	Quality Control	6cp	
35393	Seminar (Statistics)	6cp	
			Total 96cp

MAJ01111 Statistics

Students gain a good understanding of mathematical statistics and its applications. The study of statistics prepares students to interpret data and to design data collection for maximum information at a given cost.

Students learn the theoretical underpinnings of the discipline as well as the practical skills that enable them to apply their knowledge in such diverse areas as market research, health or the environment.

Students can also choose additional studies in other areas within science or from other faculties such as business, law or information technology.

Completion requirements

STM90686	Core subjects (Mathematics)		48cp
CBK90578	Sub-major/Electives (Mathematics)		24cp
Select 24 credit points from the following options:			24cp
35252	Mathematical Statistics	6cp	
35355	Quality Control	6cp	
35356	Design and Analysis of Experiments	6cp	
35361	Stochastic Processes	6cp	
35393	Seminar (Statistics)	6cp	
			Total 96cp

MAJ01112 Marine Biology

91107	The Biosphere		6cp
65111	Chemistry 1		6cp
91123	Biocomplexity		6cp
65212	Chemistry 2		6cp
91110	Experimental Design and Sampling		6cp
91154	Ecology		6cp
91157	Marine Communities		6cp
91270	Plant Physiology and Ecophysiology		6cp
91161	Cell Biology and Genetics		6cp
33116	Statistical Design and Analysis		6cp
91118	Fisheries Resources		6cp
Select one of the following:			6cp
91120	GIS and Remote Sensing	6cp	
66513	Marine Geosciences	6cp	
91156	Marine Productivity and Climate Change		6cp
91121	Aquatic Ecology		6cp
91145	Environmental Protection and Management		6cp
91126	Coral Reef Ecosystems		6cp
			Total 96cp

MAJ01113 Environmental Forensics

91107	The Biosphere		6cp
65111	Chemistry 1		6cp
91123	Biocomplexity		6cp
65212	Chemistry 2		6cp
91110	Experimental Design and Sampling		6cp
91154	Ecology		6cp
91159	Environmental Forensics		6cp
65621	Environmental Chemistry		6cp
91161	Cell Biology and Genetics		6cp
33116	Statistical Design and Analysis		6cp
91145	Environmental Protection and Management		6cp
Select one of the following:			6cp
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
65242	Principles of Forensic Science	6cp	
91163	Alpine and Lowland Ecology	6cp	
79004	Environmental Law and Science		6cp
91121	Aquatic Ecology		6cp
79023	Environmental Forensic Law		6cp
Select 6 credit points from the following options:			6cp
91155	Stream and Lake Assessment	6cp	
91370	Semi-arid Ecology	6cp	
91371	Forest and Mountain Ecology	6cp	
91163	Alpine and Lowland Ecology	6cp	
			Total 96cp

MAJ01114 Medical Science

91161	Cell Biology and Genetics		6cp
65111	Chemistry 1		6cp
91400	Human Anatomy and Physiology		6cp
65212	Chemistry 2		6cp
91314	General Microbiology		6cp
91703	Physiological Systems		6cp
68041	Physical Aspects of Nature		6cp
91707	Pharmacology 1		6cp
91320	Metabolic Biochemistry		6cp
91705	Medical Devices and Diagnostics		6cp
91706	Neuroscience		6cp
91239	Human Pathophysiology		6cp
91708	Medical and Applied Physiology		6cp
91709	Pharmacology 2		6cp
CBK90809	Elective (Medical Science)		6cp
Select 6 credit points from the following options:			6cp
91401	Introductory Haematology and Immunology	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91132	Molecular Biology 1	6cp	
			Total 96cp

MAJ01115 Biotechnology

91161	Cell Biology and Genetics		6cp
65111	Chemistry 1		6cp
91400	Human Anatomy and Physiology		6cp
65212	Chemistry 2		6cp
91320	Metabolic Biochemistry		6cp
91314	General Microbiology		6cp
91132	Molecular Biology 1		6cp
91330	Epidemiology and Public Health Microbiology		6cp
91142	Biotechnology		6cp
91326	Analytical Biochemistry		6cp
91401	Introductory Haematology and Immunology		6cp
Select one of the following:			6cp
91359	Advanced Immunology	6cp	
91335	Molecular Biology 2	6cp	
91369	Biobusiness and Environmental Biotechnology		6cp
91368	Bioreactors and Bioprocessing		6cp
91144	Plant Biotechnology		6cp
Select 6 credit points from the following options:			6cp
91129	Transfusion Science	6cp	
91352	Parasitology	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91402	Anatomical Pathology	6cp	
			Total 96cp

MAJ01116 Mathematics

35100	Introduction to Sample Surveys		6cp
35101	Introduction to Linear Dynamical Systems		6cp
35102	Introduction to Analysis and Multivariable Calculus		6cp
35111	Applications of Discrete Mathematics		6cp
35140	Introduction to Quantitative Management		6cp
35151	Introduction to Statistics		6cp
35212	Computational Linear Algebra		6cp
35231	Differential Equations		6cp
35232	Advanced Calculus		6cp
35241	Optimisation in Quantitative Management		6cp
35353	Regression Analysis		6cp
35363	Stochastic Models		6cp
Select 24 credit points from the following options:			24cp
35252	Mathematical Statistics	6cp	
35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35355	Quality Control	6cp	
35356	Design and Analysis of Experiments	6cp	
35361	Stochastic Processes	6cp	
35383	High Performance Computing	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	
			Total 96cp

MAJ01119 Biotechnology

65111	Chemistry 1		6cp
91161	Cell Biology and Genetics		6cp
65212	Chemistry 2		6cp
91400	Human Anatomy and Physiology		6cp
91320	Metabolic Biochemistry		6cp
91314	General Microbiology		6cp
91142	Biotechnology		6cp
91144	Plant Biotechnology		6cp
91369	Biobusiness and Environmental Biotechnology		6cp

Select one of the following:			6cp
91335	Molecular Biology 2	6cp	
91359	Advanced Immunology	6cp	
91132	Molecular Biology 1		6cp
91368	Bioreactors and Bioprocessing		6cp
Select 6 credit points from the following options:			6cp
91326	Analytical Biochemistry	6cp	
91330	Epidemiology and Public Health Microbiology	6cp	
91401	Introductory Haematology and Immunology	6cp	
			Total 78cp

MAJ01120 Medical Science

65111	Chemistry 1	6cp
91161	Cell Biology and Genetics	6cp
65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91703	Physiological Systems	6cp
91706	Neuroscience	6cp
91707	Pharmacology 1	6cp
91705	Medical Devices and Diagnostics	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
91239	Human Pathophysiology	6cp
		Total 78cp

MAJ01121 Medical Biotechnology

91535	Microscopy and Cytometry		6cp
91536	Proteomics		6cp
Select 36 credit points from the following options:			36cp
CBK90640	Elective	6cp	
91345	Biochemistry, Genes and Disease	6cp	
91352	Parasitology	6cp	
91705	Medical Devices and Diagnostics	6cp	
91368	Bioreactors and Bioprocessing	6cp	
91707	Pharmacology 1	6cp	
91335	Molecular Biology 2	6cp	
91359	Advanced Immunology	6cp	
91344	Medical and Diagnostic Biochemistry	6cp	
91369	Biobusiness and Environmental Biotechnology	6cp	
91537	Biotechnology Research Project A	12cp	
91538	Biotechnology Research Project B	12cp	
91539	Biotechnology Research Project	24cp	
60910	Directed Study A	6cp	
60911	Directed Study B	6cp	
91709	Pharmacology 2	6cp	
CBK90682	Options	6cp	
			Total 48cp

MAJ01123 Forensic Science

This major contains subjects in both the physical forensic sciences and the biological forensic sciences. The ability to successfully undertake these subjects is influenced by a student's prior studies. Students should contact their program adviser to plan a program of study that is best suited to their background and interests.

Completion requirements

65034	Introduction to Forensic Science		6cp
Select 42 credit points from the following options:			42cp
CBK90640	Elective	6cp	
65342	Crime Scene Investigation	6cp	
65544	Chemical Criminalistics	6cp	
65545	Forensic Toxicology	6cp	
35255	Forensic Statistics	6cp	
91137	DNA Profiling	6cp	
91138	Investigation of Human Remains	6cp	
65412	Physical Evidence	6cp	
65643	Chemistry and Pharmacology of Recreational Drugs	6cp	
65644	Fire and Explosion Investigation	6cp	
91402	Anatomical Pathology	6cp	
65863	Expert Evidence Presentation	6cp	
65743	Complex Forensic Cases (Chemistry)	6cp	
91139	Complex Forensic Cases (Biology)	6cp	
79028	Complex Forensic Cases (Law for Biology)	6cp	
65032	Forensic Science Research Project A	12cp	
65033	Forensic Science Research Project	24cp	
91548	Forensic Biology Research Project A	12cp	
91549	Forensic Biology Research Project	24cp	
91132	Molecular Biology 1	6cp	
65072	Forensic Science Research Project B	12cp	
91550	Forensic Biology Research Project B	12cp	
60910	Directed Study A	6cp	
60911	Directed Study B	6cp	
			Total 48cp

MAJ01124 Mathematical and Statistical Modelling

Select 48 credit points from the following options:			48cp
CBK90640	Elective	6cp	
35231	Differential Equations	6cp	
35252	Mathematical Statistics	6cp	
35322	Advanced Analysis	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35353	Regression Analysis	6cp	
35355	Quality Control	6cp	
35356	Design and Analysis of Experiments	6cp	
35361	Stochastic Processes	6cp	
35366	Numerical Methods of Finance	6cp	
35457	Multivariate Statistics	6cp	
35502	Seminar A	6cp	
35503	Seminar B	6cp	
35504	Seminar C	6cp	
35505	Seminar D	6cp	
35112	Mathematical Research Project A	12cp	
35113	Mathematical Research Project B	12cp	
35114	Mathematical Research Project	24cp	
35364	Statistics for Quantitative Finance	6cp	
35365	Stochastic Calculus in Finance	6cp	
35393	Seminar (Statistics)	6cp	
			Total 48cp

MAJ01125 Science Management

60905	Leadership and Teamwork in Science		6cp
60906	Science in Practice		6cp
60907	Managing Science-based Enterprises		6cp
60908	Science and Industrialisation		6cp
CBK90678	Elective		12cp
Select 12 credit points from the following options:			12cp
CBK90388	Electives	12cp	
CBK90643	Elective	12cp	
CBK90650	Electives	12cp	
			Total 48cp

MAJ01126 Environmental Sciences

CBK90656	Environmental Science choice A	36cp
CBK90657	Environmental Science choice B	36cp
CBK90232	Electives (Science UG)	24cp
		Total 96cp

MAJ01127 Medical and Molecular Biosciences

CBK90658	Medical and Molecular Biosciences choice A	36cp
CBK90659	Medical and Molecular Biosciences choice B	36cp
CBK90232	Electives (Science UG)	24cp
		Total 96cp

MAJ01128 Physics and Advanced Materials

CBK90660	Physics and Advanced Materials choice A	36cp
CBK90661	Physics and Advanced Materials choice B	36cp
CBK90232	Electives (Science UG)	24cp
		Total 96cp

MAJ01129 Chemical Science

CBK90662	Chemical Science choice A	36cp
CBK90663	Chemical Science choice B	36cp
CBK90232	Electives (Science UG)	24cp
		Total 96cp

MAJ01130 Marine Science and Management

91146	Topics in Australian Marine Science		6cp
91165	External Marine Study 1		6cp
91166	External Marine Study 2		6cp
Select 30 credit points from the following options:			30cp
91157	Marine Communities	6cp	
91118	Fisheries Resources	6cp	
66513	Marine Geosciences	6cp	

91126	Coral Reef Ecosystems	6cp
91156	Marine Productivity and Climate Change	6cp
91540	Climate Change and Ecological Modelling	6cp
91541	Monitoring Ecological Variability	6cp
91545	Environment Research Project A	12cp
91546	Environment Research Project B	12cp
91547	Environment Research Project	24cp
		Total 48cp

MAJ02041 Information Technology

This major provides the foundations of business systems analysis plus the opportunity to explore in more detail either the technical or management aspects of IT. Students completing this major are able to take an active part in the design or quite complex business information systems.

This major is accredited by the Australian Computer Society at the Associate level.

Completion requirements

31061	Database Principles		6cp
31266	Introduction to Information Systems		6cp
48023	Programming Fundamentals		6cp
31269	Business Requirements Modelling		6cp
31270	Networking Essentials		6cp
Select 18 credit points from the following options:			18cp
31268	Web Systems	6cp	
31257	Information System Development Methodologies	6cp	
31247	Collaborative Business Processes	6cp	
31245	Business Process and IT Strategy	6cp	
31258	Innovations for Global Relationship Management	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	
48024	Applications Programming	6cp	
31251	Data Structures and Algorithms	6cp	
48440	Software Engineering Practice	6cp	
31260	Interface Design	6cp	
31284	Web Services Development	6cp	
48433	Software Architecture	6cp	
31253	Database Programming	6cp	
31277	Routing and Internetworks	6cp	
48730	Network Security	6cp	
41900	Fundamentals of Security	6cp	
			Total 48cp

MAJ02044 Information Technology

This major is designed for students who have an information technology background or a keen interest in information technology. The major helps professionals develop specialised IT skills, equips people considering entry to the IT industry from other fields, or challenges the IT professional. The major offers the participant either a platform entry for those with a non-IT background or a more specialised entry for those with an IT background. The innovative programs cover growth areas such as computer graphics and gaming, data mining, e-business technology, human-centred design, interactive multimedia, internetworking and strategic IT management. Participants have the opportunity to acquire knowledge, strategies and skills that cover the applications and management of technology.

Completion requirements

Select one of the following:			24cp
STM90695	Core subjects	24cp	
CBK90802	Choice	24cp	
CBK90816	Choice		24cp
			Total 48cp

MAJ02080 Business Information Systems Management

In the Business Information Systems Management major students learn how to use appropriate design approaches to design ICTs for all types of business activities, including customer-focused operations, maintaining relationships for knowledge sharing, business collaboration and strategic management. Students also learn about organisation theory, accounting and project management.

Ways to simplify the use of technology in complex business activities are not well understood. With this major, students are equipped to manage the integration of ICTs into business and society, and take leadership roles in their implementation.

Completion requirements

31257	Information System Development Methodologies		6cp
31247	Collaborative Business Processes		6cp
31245	Business Process and IT Strategy		6cp
31258	Innovations for Global Relationship Management		6cp
31276	Networked Enterprise Architecture		6cp
31280	Strategic IT Project		6cp
31255	Finance and IT		6cp
Select 6 credit points from the following options:			6cp
31282	Systems Testing and Quality Management	6cp	
31097	IT Operations Management	6cp	
48270	Entrepreneurship and Commercialisation	6cp	
			Total 48cp

MAJ02081 Data Analytics

This major integrates the mathematical and information technology foundations for developing and applying business analytics systems and is concerned with technology services. Computer and data analytics is an emerging and rapidly expanding area where mathematics and statistical methods interact with powerful information technologies to improve the flow of massive amounts of data for a business. Students learn mathematical analytics methods, contemporary statistical data mining and computational methods.

Completion requirements

35101	Introduction to Linear Dynamical Systems		6cp
35151	Introduction to Statistics		6cp
31250	Introduction to Data Analytics		6cp
41004	Analytics Capstone Project		6cp
Select 24 credit points from the following options:			24cp
31253	Database Programming	6cp	
31259	Intelligent Agents	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31000	e-Business Trading	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31075	Object-relational Databases	6cp	
32146	Data Visualisation and Visual Analytics	6cp	
31243	Analytics Capstone Project B	6cp	
			Total 48cp

MAJ03001 Civil Engineering

48310	Introduction to Civil and Environmental Engineering		6cp
48321	Engineering Mechanics		6cp
60101	Chemistry and Materials Science		6cp
48331	Mechanics of Solids		6cp
48330	Soil Behaviour		6cp
48641	Fluid Mechanics		6cp
48340	Construction		6cp
48352	Construction Materials		6cp
48221	Engineering Computations		6cp
48320	Surveying		6cp
48362	Hydraulics and Hydrology		6cp
48360	Geotechnical Engineering		6cp
48016	Capstone Project Part A		6cp
48026	Capstone Project Part B		6cp
Select 36 credit points from the following options:			36cp
STM90496	Civil stream	36cp	
STM90493	Structures stream	36cp	
STM90494	Construction stream	36cp	
			Total 120cp

MAJ03002 Civil and Environmental Engineering

48310	Introduction to Civil and Environmental Engineering	6cp
48321	Engineering Mechanics	6cp
65111	Chemistry 1	6cp
48331	Mechanics of Solids	6cp
48330	Soil Behaviour	6cp
48641	Fluid Mechanics	6cp
48352	Construction Materials	6cp
48221	Engineering Computations	6cp
48320	Surveying	6cp
48362	Hydraulics and Hydrology	6cp
48821	Ecological Engineering	6cp
48840	Water Supply and Wastewater Engineering	6cp
48860	Pollution Control and Waste Management	6cp
48016	Capstone Project Part A	6cp

48881	Water and Environmental Design	6cp
48026	Capstone Project Part B	6cp
41011	Environmental Chemical Processes	6cp
48349	Structural Analysis	6cp
48353	Concrete Design	6cp
48360	Geotechnical Engineering	6cp
		Total 120cp

MAJ03005 Electrical Engineering

48510	Introduction to Electrical Engineering	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48430	Embedded C	6cp
68038	Advanced Mathematics and Physics	6cp
48530	Circuit Analysis	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
CBK90618	Thread choice	54cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
		Total 120cp

MAJ03007 Mechanical Engineering

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48221	Engineering Computations	6cp
60101	Chemistry and Materials Science	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48331	Mechanics of Solids	6cp
48510	Introduction to Electrical Engineering	6cp
48641	Fluid Mechanics	6cp
48600	Mechanical Design 1	6cp
48640	Machine Dynamics	6cp
48642	Strength of Engineering Materials	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48650	Mechanical Design 2	6cp
48663	Advanced Manufacturing	6cp
48601	Mechanical Vibration and Measurement	6cp
48661	Heat Transfer	6cp
48670	Mechanical and Mechatronic Design	6cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
		Total 120cp

MAJ03012 Mechanical and Mechatronic Engineering

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48510	Introduction to Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48331	Mechanics of Solids	6cp
48641	Fluid Mechanics	6cp
48600	Mechanical Design 1	6cp
48640	Machine Dynamics	6cp
48531	Electromechanical Automation	6cp
48622	Mechatronics 1	6cp
48642	Strength of Engineering Materials	6cp
48660	Dynamics and Control	6cp
48651	Thermodynamics	6cp
48650	Mechanical Design 2	6cp
48623	Mechatronics 2	6cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
41012	Programming for Mechatronic Systems	6cp
41013	Robotics	6cp
		Total 120cp

MAJ03013 Civil Engineering

48310	Introduction to Civil and Environmental Engineering	6cp
48321	Engineering Mechanics	6cp
60101	Chemistry and Materials Science	6cp
48331	Mechanics of Solids	6cp
48330	Soil Behaviour	6cp
48641	Fluid Mechanics	6cp
48349	Structural Analysis	6cp
48340	Construction	6cp
48352	Construction Materials	6cp
48353	Concrete Design	6cp
48350	Environmental and Sanitation Engineering	6cp
48366	Steel and Timber Design	6cp
48006	Capstone Project	6cp
48389	Computer Modelling and Design	6cp
48370	Road and Transport Engineering	6cp
48221	Engineering Computations	6cp
Select 6 credit points from the following options:		6cp
48320	Surveying	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
		Total 102cp

MAJ03014 Civil and Environmental Engineering

48310	Introduction to Civil and Environmental Engineering	6cp
48821	Ecological Engineering	6cp
65111	Chemistry 1	6cp
48320	Surveying	6cp
48321	Engineering Mechanics	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48641	Fluid Mechanics	6cp
48840	Water Supply and Wastewater Engineering	6cp
48330	Soil Behaviour	6cp
48342	Structural Behaviour and Design	6cp
48850	Environmental Planning and Law	6cp
48006	Capstone Project	6cp
48881	Water and Environmental Design	6cp
48860	Pollution Control and Waste Management	6cp
48221	Engineering Computations	6cp
48362	Hydraulics and Hydrology	6cp
		Total 102cp

MAJ03017 Electrical Engineering

48510	Introduction to Electrical Engineering	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48430	Embedded C	6cp
68038	Advanced Mathematics and Physics	6cp
48531	Electromechanical Automation	6cp
48540	Signals and Systems	6cp
CBK90620	Thread choice	36cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
48530	Circuit Analysis	6cp
		Total 102cp

MAJ03019 Mechanical Engineering

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48621	Manufacturing Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
60101	Chemistry and Materials Science	6cp
48331	Mechanics of Solids	6cp
48641	Fluid Mechanics	6cp
48600	Mechanical Design 1	6cp
48510	Introduction to Electrical Engineering	6cp
48640	Machine Dynamics	6cp
48651	Thermodynamics	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48670	Mechanical and Mechatronic Design	6cp
48660	Dynamics and Control	6cp
48221	Engineering Computations	6cp
48006	Capstone Project	6cp
Select 6 credit points from the following options:		6cp
48661	Heat Transfer	6cp
48663	Advanced Manufacturing	6cp
48601	Mechanical Vibration and Measurement	6cp
		Total 102cp

MAJ03024 Innovation Engineering

48080	Introduction to Innovation	6cp
CBK90460	Engineering choice	60cp
CBK90471	Innovation choice	12cp
Select one of the following:		6cp
48221	Engineering Computations	6cp
48023	Programming Fundamentals	6cp
		Total 84cp

MAJ03025 Civil Engineering

48310	Introduction to Civil and Environmental Engineering		6cp
48321	Engineering Mechanics		6cp
60101	Chemistry and Materials Science		6cp
48331	Mechanics of Solids		6cp
48330	Soil Behaviour		6cp
48641	Fluid Mechanics		6cp
48349	Structural Analysis		6cp
48340	Construction		6cp
48352	Construction Materials		6cp
48353	Concrete Design		6cp
48350	Environmental and Sanitation Engineering		6cp
48366	Steel and Timber Design		6cp
48389	Computer Modelling and Design		6cp
48370	Road and Transport Engineering		6cp
48221	Engineering Computations		6cp
48016	Capstone Project Part A		6cp
48026	Capstone Project Part B		6cp
Select 12 credit points from the following options:			12cp
48320	Surveying	6cp	
48360	Geotechnical Engineering	6cp	
48362	Hydraulics and Hydrology	6cp	
			Total 114cp

MAJ03026 Civil and Environmental Engineering

48310	Introduction to Civil and Environmental Engineering		6cp
48321	Engineering Mechanics		6cp
48362	Hydraulics and Hydrology		6cp
48821	Ecological Engineering		6cp
48320	Surveying		6cp
48340	Construction		6cp
48641	Fluid Mechanics		6cp
48331	Mechanics of Solids		6cp
48840	Water Supply and Wastewater Engineering		6cp
48330	Soil Behaviour		6cp
48850	Environmental Planning and Law		6cp
48342	Structural Behaviour and Design		6cp
48860	Pollution Control and Waste Management		6cp
48881	Water and Environmental Design		6cp
48221	Engineering Computations		6cp
48016	Capstone Project Part A		6cp
48026	Capstone Project Part B		6cp
Select 12 credit points from the following options:			12cp
65111	Chemistry 1	6cp	
48352	Construction Materials	6cp	
48370	Road and Transport Engineering	6cp	
			Total 114cp

MAJ03028 Electrical Engineering

48510	Introduction to Electrical Engineering		6cp
48441	Introductory Digital Systems		6cp
48521	Fundamentals of Electrical Engineering		6cp
48520	Electronics and Circuits		6cp
48430	Embedded C		6cp
68038	Advanced Mathematics and Physics		6cp
48530	Circuit Analysis		6cp
48531	Electromechanical Automation		6cp
48540	Signals and Systems		6cp
CBK90620	Thread choice		36cp
CBK90617	Electives		12cp
48016	Capstone Project Part A		6cp
48026	Capstone Project Part B		6cp
			Total 114cp

MAJ03029 Innovation Engineering

48080	Introduction to Innovation		6cp
48081	Innovation Processes		6cp
CBK90471	Innovation choice		12cp
CBK90468	Engineering choice		84cp
Select 12 credit points from the following options:			12cp
48012	Capstone Project	12cp	
48016	Capstone Project Part A	6cp	
48026	Capstone Project Part B	6cp	
			Total 120cp

MAJ03030 Mechanical Engineering

48610	Introduction to Mechanical and Mechatronic Engineering		6cp
48621	Manufacturing Engineering		6cp
48620	Fundamentals of Mechanical Engineering		6cp
60101	Chemistry and Materials Science		6cp
48331	Mechanics of Solids		6cp
48641	Fluid Mechanics		6cp
48510	Introduction to Electrical Engineering		6cp
48640	Machine Dynamics		6cp
48600	Mechanical Design 1		6cp
48651	Thermodynamics		6cp
48642	Strength of Engineering Materials		6cp
48650	Mechanical Design 2		6cp
48670	Mechanical and Mechatronic Design		6cp
48660	Dynamics and Control		6cp
48221	Engineering Computations		6cp
48016	Capstone Project Part A		6cp
48026	Capstone Project Part B		6cp
Select 12 credit points from the following options:			12cp
48661	Heat Transfer	6cp	
48663	Advanced Manufacturing	6cp	
48601	Mechanical Vibration and Measurement	6cp	
			Total 114cp

MAJ03134 Civil Engineering

48310	Introduction to Civil and Environmental Engineering		6cp
48321	Engineering Mechanics		6cp
48320	Surveying		6cp
60101	Chemistry and Materials Science		6cp
48331	Mechanics of Solids		6cp
48330	Soil Behaviour		6cp
48641	Fluid Mechanics		6cp
48349	Structural Analysis		6cp
48340	Construction		6cp
48352	Construction Materials		6cp
48353	Concrete Design		6cp
48350	Environmental and Sanitation Engineering		6cp
48221	Engineering Computations		6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change		6cp
			Total 84cp

MAJ03139 Mechanical Engineering

48610	Introduction to Mechanical and Mechatronic Engineering		6cp
48621	Manufacturing Engineering		6cp
48620	Fundamentals of Mechanical Engineering		6cp
60101	Chemistry and Materials Science		6cp
48600	Mechanical Design 1		6cp
48331	Mechanics of Solids		6cp
48510	Introduction to Electrical Engineering		6cp
48641	Fluid Mechanics		6cp
48640	Machine Dynamics		6cp
48642	Strength of Engineering Materials		6cp
48651	Thermodynamics		6cp
48660	Dynamics and Control		6cp
48650	Mechanical Design 2		6cp
48221	Engineering Computations		6cp
			Total 84cp

MAJ03372 Water Engineering

One of today's most prominent challenges, both on a global and a local scale, is the scarcity of water. The dwindling supply of water is being caused by factors such as population growth, climate change, poor investment in infrastructure, and management problems. Water engineers are looking for solutions to this water crisis as well as working on other important issues such as protecting ecosystems, and improving rural and urban environments.

Water engineers and managers now require a much broader understanding of water issues. The purpose of the Water Engineering major is to provide engineers and scientists with expert up-to-date knowledge in the fields of water resources management, hydraulics, and hydrology in both urban and rural environments. The program is intended to enable students to update their expertise, to appreciate the environmental implications of water schemes, and to develop management skills.

There has been a major shortage of water engineers both in Australia and abroad over the last decade so employment opportunities are vast. There are jobs available in local councils, state and federal government, non-government organisations, small and large consultancies as well as large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering, however applicants with a background in other fields of engineering and/or applied science may also apply.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects.

Completion requirements

CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
49107	Urban Stormwater Design	6cp	
49126	Environmental Management of Land	6cp	
49285	Emergency Management	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49255	Catchment Modelling	6cp	
49117	Floodplain Risk Management in NSW	6cp	
49122	Ecology and Sustainability	6cp	
49256	Flood Estimation	6cp	
49127	Decentralised Water and Wastewater Treatment	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 48cp

MAJ03375 Local Government Engineering

The Local Government Engineering major has been designed, for the most part, for engineers, technical staff and managers who work for water boards, roads authorities, in local government or for consultancies providing services to local government.

Depending on options chosen, the course contents may include elements of NSW local government legislation, local road design, asset maintenance management and planning for the environment.

This major is only suitable for domestic students, as it contains content that is heavily focused on specific elements of NSW legislation and planning guidelines.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects. Students not wishing to complete any management subjects should consider the combined major in Local Government Engineering and Environmental Engineering.

Completion requirements

CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
49102	Traffic and Transportation	6cp	
49258	Pavement Analysis and Design	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49108	Local Government Powers and Practice	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
			Total 48cp

MAJ03378 Structural Engineering

The Structural Engineering major offers a unique balance of analysis and design subjects focusing on large structures such as high rise buildings, large bridges, major industrial developments and tunnels.

It is most suitable for those with a civil engineering background who would like to work on large structures. Completing this major makes you employable by structural consulting firms and other large developers.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
49047	Finite Element Analysis	6cp	
49131	Bridge Design	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49002	Managing Projects	6cp	
49115	Facade Engineering	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49135	Wind Engineering	6cp	
49151	Concrete Technology and Practice	6cp	
			Total 48cp

MAJ03379 Software Engineering

In the modern world, software engineers play important roles in many facets of society, from the medical arena to the gaming world. Software engineering skills are very portable, so your qualifications can take you around the world. Currently there is a global shortage of software engineers with system design capabilities.

The Software Engineering major teaches you about software analysis and design, software architecture and web technologies. It is suitable for engineers with a background in ICT, however those from other fields of engineering can use this major as a stepping stone into ICT.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects.

Completion requirements

49002	Managing Projects		6cp
CBK90331	Subject choice (Group A)		18cp
Select 24 credit points from the following options:			24cp
49262	Web Technologies	6cp	
32603	Systems Quality Management	6cp	
32555	Fundamentals of Software Development	6cp	
49227	Wireless Sensor Networks	6cp	
			Total 48cp

MAJ03380 Energy Planning and Policy

Most countries in the world, both developed and developing, view energy issues as a high priority. Concerns about global warming, sustainability issues, etc., reinforce the significance and immediacy of energy issues.

Effective planning and policy initiatives are required to identify energy systems that are technically, economically, environmentally and socially feasible and responsible in their approach to the energy needs of society.

The Energy Planning and Policy major contributes to the training and professional development of people working or preparing to work in energy utilities, energy companies, environmental organisations, government departments, consulting groups and other national and international organisations dealing in energy and environmental matters, both in developed and developing countries.

Completion requirements

49021	Evaluation of Infrastructure Investments		6cp
49024	Energy Modelling		6cp
49706	Regulatory Economics		6cp
49026	Electricity Sector Planning and Restructuring		6cp
Select 24 credit points from the following options:			24cp
49025	Methods for Energy Analysis	6cp	
49027	Energy Demand Analysis and Forecasting	6cp	
49028	Policy and Planning of Energy Conservation	6cp	
49029	Environmental Policy for Energy Systems	6cp	
49022	Energy Resources and Technology	6cp	
49023	Energy and Environmental Economics	6cp	
49701	Gas Sector Planning	6cp	
49702	Gas Distribution Technology and Management	6cp	
49703	Selected Topics (Energy Pricing)	6cp	
			Total 48cp

MAJ03382 Telecommunications Engineering

Telecommunications is an integral part of modern society. This major allows recent graduates and people already in the workforce to deepen and/or broaden skills and knowledge in various areas with telecommunication engineering. In particular, there is a strong emphasis on wireless forms of communication engineering, including satellite and cellular mobiles. Candidates must have completed previous undergraduate studies in telecommunications to gain entry to this major, as it requires a solid understanding of signal theory, signals and systems, modulation and coding, as well as propagation. For candidates who want to move into the telecommunications area and do not meet the above criteria, there is another major called telecommunication networks that may be suitable for your needs.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects.

Completion requirements

49205	Transmission Systems		6cp
49215	Telecommunications Industry Management		6cp
CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 12 credit points from the following options:			12cp
49201	Integrated Services Networks	6cp	
49048	Wireless Networking Technologies	6cp	
49203	Telecommunications Signal Processing	6cp	
49223	Satellite Communication Systems	6cp	
49249	Telecommunications Engineering Review	6cp	
49110	3G Mobile Communication Systems	6cp	
42890	4G Mobile Technologies	6cp	
			Total 48cp

MAJ03385 Telecommunication Networks

Telecommunications is an integral part of modern society. This major allows recent graduates and people already in the workforce to deepen and/or broaden skills and knowledge in various areas with telecommunication engineering. It also allows candidates who do not have a telecommunication background to move into this growing area. There is an emphasis on the network, transport and application layers and the ability to analyse, design and manage massive scale and non-homogeneous complex inter-networks which simultaneously service the diverse needs of multiple classes of traffic.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects.

Completion requirements

49202	Communication Protocols		6cp
49238	Telecommunication Networks Management		6cp
CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 12 credit points from the following options:			12cp
49201	Integrated Services Networks	6cp	
49215	Telecommunications Industry Management	6cp	
49249	Telecommunications Engineering Review	6cp	
49048	Wireless Networking Technologies	6cp	
49262	Web Technologies	6cp	
49203	Telecommunications Signal Processing	6cp	
49110	3G Mobile Communication Systems	6cp	
32001	Mobile Commerce Technologies	6cp	
32118	Mobile Communications and Computing	6cp	
42902	Interior Routing and High Availability	6cp	
42903	Multi Protocol Label Switching	6cp	
32555	Fundamentals of Software Development	6cp	
32570	Enterprise Software Architecture and Middleware	6cp	
			Total 48cp

MAJ03412 Civil and Environmental Engineering

48310	Introduction to Civil and Environmental Engineering	6cp
48320	Surveying	6cp
48321	Engineering Mechanics	6cp
48340	Construction	6cp
48331	Mechanics of Solids	6cp
48840	Water Supply and Wastewater Engineering	6cp
48641	Fluid Mechanics	6cp
48330	Soil Behaviour	6cp
48352	Construction Materials	6cp
48850	Environmental Planning and Law	6cp
48821	Ecological Engineering	6cp
65111	Chemistry 1	6cp
48221	Engineering Computations	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
		Total 84cp

MAJ03413 Electrical Engineering

48510	Introduction to Electrical Engineering	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48430	Embedded C	6cp
48531	Electromechanical Automation	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
48540	Signals and Systems	6cp
48572	Power Circuit Theory	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48560	Introductory Control	6cp
		Total 84cp

MAJ03414 Aerospace Engineering

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48271	Aerospace Operations: Overview of the Aviation Industry	6cp
48620	Fundamentals of Mechanical Engineering	6cp
60101	Chemistry and Materials Science	6cp
48272	Airline Operations	6cp
48273	Managing Aerospace Processes	6cp
48641	Fluid Mechanics	6cp
48640	Machine Dynamics	6cp
48510	Introduction to Electrical Engineering	6cp
48651	Thermodynamics	6cp
48260	Engineering Project Management	6cp
48274	Aerospace Design Processes	6cp
48221	Engineering Computations	6cp
		Total 78cp

MAJ03415 Manufacturing Engineering and Management

The Manufacturing Engineering and Management major allows students to upgrade skills and knowledge gained from an undergraduate mechanical/manufacturing engineering degree to advanced areas of mechanical engineering as well as manufacturing engineering and management.

Students can choose from a diverse range of subjects covering a number of different aspects, including:

- operation of factories including material handling, air-conditioning, project management, air and noise pollution
- advanced design and analysis of manufacturing processes including CAD/CAM, optimal design and decision-making, flow modelling, vibration analysis, internal combustion engines, turbine machines, and
- quality and operations management systems, IT and innovation management in manufacturing.

This major is widely recognised and aims to educate technical specialists and managers of tomorrow in manufacturing technologies and management, and prepare them for the challenging demands of leadership roles in manufacturing and management in a global economy.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects.

Completion requirements

CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
49002	Managing Projects	6cp	
49307	Internal Combustion Engines	6cp	
49312	Advanced Flow Modelling	6cp	
49316	Materials Handling	6cp	
49321	Energy Conversion	6cp	
49322	Airconditioning	6cp	
49325	Computer-aided Mechanical Design	6cp	
49328	Turbomachines	6cp	

49049	Air and Noise Pollution	6cp
49928	Design Optimisation for Manufacturing	6cp
49330	Sensors and Signal Processing	6cp
49329	Control of Mechatronic Systems	6cp
		Total 48cp

MAJ03416 Environmental Engineering

Environmental Engineering at postgraduate level is offered at UTS either as a specialist course or as a major in the Master of Engineering. The content is designed to enable engineers, scientists and technical specialists to provide solutions and to develop management skills to deal with environmental problems. This includes, but is not limited to, environmental issues dealing with land, air and water.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

Select 24 credit points from the following options: 24cp

49121	Environmental Assessment and Planning	6cp
49122	Ecology and Sustainability	6cp
49123	Waste and Pollution Management	6cp
49125	Environmental Risk Assessment	6cp
49126	Environmental Management of Land	6cp
49127	Decentralised Water and Wastewater Treatment	6cp
49049	Air and Noise Pollution	6cp
49109	Engineered Natural Water Treatment Systems	6cp
49257	Geographic Information Systems	6cp
49116	Contaminated Site and Waste Remediation	6cp
49117	Floodplain Risk Management in NSW	6cp
42991	Advanced Water and Wastewater Treatment	6cp
		Total 24cp

MAJ03420 Computer Control Engineering

Computer control engineering involves the use of computers to control real-time applications in areas such as instrumentation automation for manufacturing, biomedical and power applications. Computer control engineers combine control, electronics, software and computer systems to design innovative solutions for industry.

The Computer Control Engineering major offers subjects which teach you about the brains behind machines, how to design systems for computer or biomedical applications, the design of artificial intelligence and more.

The knowledge you gain prepares you for work in many industries involving instrumentation and control, electronics, biomedical engineering and power systems. Background knowledge in electrical engineering and computer systems will prepare you for this course, however it is not a requisite.

Completion requirements

CBK90230	Elective	6cp
CBK90354	Major core subject choice	6cp
Select 12 credit points from the following options:		12cp
49048	Wireless Networking Technologies	6cp
49261	Biomedical Instrumentation	6cp
49262	Web Technologies	6cp
49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
32603	Systems Quality Management	6cp
32555	Fundamentals of Software Development	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
		Total 24cp

MAJ03421 Energy Planning and Policy

Most countries in the world, both developed and developing, view energy issues as a high priority. Concerns about global warming, sustainability issues and the like reinforce the significance and immediacy of energy issues.

Effective planning and policy initiatives are required to identify energy systems that are technically, economically, environmentally and socially feasible and responsible in their approach to the energy needs of society.

The Energy Planning and Policy major contributes to the training and professional development of people working or preparing to work in energy utilities, energy companies, environmental organisations, government departments, consulting groups and other national and international organisations dealing in energy and environmental matters, both in developed and developing countries.

Completion requirements

Select one of the following:		6cp
49021	Evaluation of Infrastructure Investments	6cp
49024	Energy Modelling	6cp
CBK90355	Major core subject choice	18cp
		Total 24cp

MAJ03422 Local Government Engineering

The Local Government Engineering major has been designed, for the most part, for engineers, technical staff and managers who work for water boards, roads authorities, in local government or for consultancies providing services to local government.

Depending on options chosen, the contents may include elements of NSW local government legislation, local road design, asset maintenance management and planning for the environment.

This major is only suitable for domestic students as it contains content that is heavily focused on specific elements of NSW legislation and planning guidelines.

Completion requirements

CBK90230	Elective	6cp
Select 18 credit points from the following options:		18cp
49102	Traffic and Transportation	6cp
49258	Pavement Analysis and Design	6cp
49106	Road Engineering Practice	6cp
49107	Urban Stormwater Design	6cp
49108	Local Government Powers and Practice	6cp
49121	Environmental Assessment and Planning	6cp
49126	Environmental Management of Land	6cp
		Total 24cp

MAJ03424 Manufacturing Engineering and Management

The Manufacturing Engineering and Management major allows students to upgrade skills and knowledge gained from an undergraduate mechanical/manufacturing engineering degree to advanced areas of mechanical engineering as well as manufacturing engineering and management.

Students can choose from a diverse range of subjects covering a number of different aspects, including:

- operation of factories including material handling, air-conditioning, project management, air and noise pollution
- advanced design and analysis of manufacturing processes including CAD/CAM, optimal design and decision-making, flow modelling, vibration analysis, internal combustion engines, turbine machines, and
- quality and operations management systems, IT and innovation management in manufacturing.

This major is widely recognised and aims to educate technical specialists and managers of tomorrow in manufacturing technologies and management, and prepare them for the challenging demands of leadership roles in manufacturing and management in a global economy.

Completion requirements

CBK90230	Elective	6cp
Select 18 credit points from the following options:		18cp
49002	Managing Projects	6cp
49307	Internal Combustion Engines	6cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49321	Energy Conversion	6cp
49322	Airconditioning	6cp
49325	Computer-aided Mechanical Design	6cp
49328	Turbomachines	6cp
49049	Air and Noise Pollution	6cp
49928	Design Optimisation for Manufacturing	6cp
49330	Sensors and Signal Processing	6cp
49329	Control of Mechatronic Systems	6cp
		Total 24cp

MAJ03425 Software Engineering

In the modern world, software engineers play important roles in many facets of society, from the medical arena to the gaming world. Software engineering skills are very portable, so your qualifications can take you around the world. Currently there is a global shortage of software engineers with system design capabilities.

The Software Engineering major teaches you about software analysis and design, software architecture and web technologies. It is suitable for engineers with a background in ICT, however those from other fields of engineering can use this major as a stepping stone into ICT.

Completion requirements

Select one of the following:			6cp
49001	Judgment and Decision Making	6cp	
49013	Managing Information Technology in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
32555	Fundamentals of Software Development		6cp
Select 12 credit points from the following options:			12cp
49002	Managing Projects	6cp	
49262	Web Technologies	6cp	
32603	Systems Quality Management	6cp	
			Total 24cp

MAJ03426 Structural Engineering

The Structural Engineering major offers a unique balance of analysis and design subjects focusing on large structures such as high rise buildings, large bridges, major industrial developments and tunnels.

It is most suitable for those with a civil engineering background who would like to work on large structures. Completing this major makes you employable by structural consulting firms and other large developers.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

CBK90230	Elective		6cp
Select 18 credit points from the following options:			18cp
49047	Finite Element Analysis	6cp	
49131	Bridge Design	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49002	Managing Projects	6cp	
49115	Facade Engineering	6cp	
49118	Applied Geotechnics	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49135	Wind Engineering	6cp	
49151	Concrete Technology and Practice	6cp	
			Total 24cp

MAJ03427 Telecommunication Networks

Telecommunications is an integral part of modern society. This major allows recent graduates and people already in the workforce to deepen and/or broaden skills and knowledge in various areas with telecommunication engineering. It also allows candidates who do not have a telecommunication background to move into this growing area. There is an emphasis on the network, transport and application layers and the ability to analyse, design and manage massive scale and non-homogeneous complex inter-networks which simultaneously service the diverse needs of multiple classes of traffic.

Completion requirements

Select one of the following:			6cp
49202	Communication Protocols	6cp	
49238	Telecommunication Networks Management	6cp	
CBK90356	Major core subject choice		6cp
CBK90230	Elective		6cp
CBK90357	Major subject choice		6cp
			Total 24cp

MAJ03428 Telecommunications Engineering

Telecommunications is an integral part of modern society. This major allows recent graduates and people already in the workforce to deepen and/or broaden skills and knowledge in various areas with telecommunication engineering. In particular, there is a strong emphasis on wireless forms of communication engineering, including satellite and cellular mobiles. Candidates must have completed previous undergraduate studies in telecommunications to gain entry to this major, as it requires a solid understanding of signal theory, signals and systems, modulation and coding, as well as propagation. For candidates who want to move into the telecommunications area and do not meet the above criteria, there is another major called Telecommunication Networks that may be suitable for your needs.

Completion requirements

Select one of the following:			6cp
49215	Telecommunications Industry Management	6cp	
49205	Transmission Systems	6cp	
CBK90230	Elective		6cp
CBK90358	Major subject choice		12cp
			Total 24cp

MAJ03429 Water Engineering

One of today's most prominent challenges, both on a global and a local scale, is the scarcity of water. The dwindling supply of water is being caused by factors such as population growth, climate change, poor investment in infrastructure, and management problems. Water engineers are looking for solutions to this water crisis as well as working on other important issues such as protecting ecosystems, and improving rural and urban environments.

Water engineers and managers now require a much broader understanding of water issues. The purpose of this major is to provide engineers and scientists with expert, up-to-date knowledge in the fields of water resources management, hydraulics, and hydrology in both urban and rural environments. It is intended to enable students to update their expertise, to appreciate the environmental implications of water schemes, and to develop management skills.

There has been a major shortage of water engineers both in Australia and abroad over the last decade so employment opportunities are vast. There are jobs available in local councils, state and federal government, non-government organisations, small and large consultancies as well as large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering, however applicants with a background in other fields of engineering and/or applied science may also apply.

This major may not be offered on a full-time basis every semester.

Completion requirements

CBK90230	Elective		6cp
Select 18 credit points from the following options:			18cp
49107	Urban Stormwater Design	6cp	
49126	Environmental Management of Land	6cp	
49285	Emergency Management	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49122	Ecology and Sustainability	6cp	
49255	Catchment Modelling	6cp	
49256	Flood Estimation	6cp	
49117	Floodplain Risk Management in NSW	6cp	
49127	Decentralised Water and Wastewater Treatment	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 24cp

MAJ03430 Computer Control Engineering

Computer control engineering involves the use of computers to control real-time applications in areas such as instrumentation automation for manufacturing, biomedical and power applications. Computer control engineers combine control, electronics, software and computer systems to design innovative solutions for industry.

The Computer Control Engineering major offers subjects which teach you about the brains behind machines, how to design systems for computer or biomedical applications, the design of artificial intelligence, and more.

The knowledge you gain prepares you for work in many industries involving instrumentation and control, electronics, biomedical engineering and power systems. Background knowledge in Electrical Engineering and Computer Systems will prepare you for this course, however it is not a requisite.

Note: the listing of this major on your academic transcript requires completion of three engineering management subjects in addition to the technical subjects.

Completion requirements

CBK90331	Subject choice (Group A)	18cp
CBK90230	Elective	6cp
CBK90478	Computer Control choice	12cp
CBK90531	Computer Systems choice	12cp
		Total 48cp

MAJ03431 Telecommunications Engineering and Telecommunication Networks

This major allows students who have a solid background in telecommunications to deepen technical skills and knowledge. It is effectively a superset of the Telecommunication Engineering major and the Telecommunication Networks major, without the requirement to complete any broadening or engineering management subjects. This major is suitable for students who want to go on to highly technical careers in the telecommunication industry, or in research and development.

Completion requirements

49202	Communication Protocols		6cp
49238	Telecommunication Networks Management		6cp
49215	Telecommunications Industry Management		6cp
49205	Transmission Systems		6cp
Select 24 credit points from the following options:			24cp
49201	Integrated Services Networks	6cp	
49203	Telecommunications Signal Processing	6cp	
49048	Wireless Networking Technologies	6cp	
49223	Satellite Communication Systems	6cp	
49262	Web Technologies	6cp	
49110	3G Mobile Communication Systems	6cp	
42902	Interior Routing and High Availability	6cp	
42903	Multi Protocol Label Switching	6cp	
32555	Fundamentals of Software Development	6cp	
32570	Enterprise Software Architecture and Middleware	6cp	
42890	4G Mobile Technologies	6cp	
			Total 48cp

MAJ03432 Software Engineering

In the modern world, software engineers play important roles in many facets of society, from the medical arena to the gaming world. Software engineering skills are very portable, so your qualifications can take you around the world. Currently there is a global shortage of software engineers with system design capabilities.

The Software Engineering major teaches you about software analysis and design, software architecture and web technologies. It is suitable for engineers with a background in ICT, however those from other fields of engineering can use this major as a stepping stone into ICT.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

Select 24 credit points from the following options:			24cp
49262	Web Technologies	6cp	
32603	Systems Quality Management	6cp	
32555	Fundamentals of Software Development	6cp	
49227	Wireless Sensor Networks	6cp	
			Total 24cp

MAJ03433 Structural Engineering

The Structural Engineering major offers a unique balance of analysis and design subjects focusing on large structures such as high rise buildings, large bridges, major industrial developments and tunnels.

It is most suitable for those with a civil engineering background who would like to work on large structures. Completing this major makes you employable by structural consulting firms and other large developers.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

Select 24 credit points from the following options:			24cp
49047	Finite Element Analysis	6cp	
49131	Bridge Design	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49002	Managing Projects	6cp	
49115	Facade Engineering	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49135	Wind Engineering	6cp	
49151	Concrete Technology and Practice	6cp	
			Total 24cp

MAJ03434 Telecommunication Networks

Telecommunications is an integral part of modern society. This major allows recent graduates and people already in the workforce to deepen and/or broaden skills and knowledge in various areas with telecommunication engineering. It also allows candidates who do not have a telecommunication background to move into this growing area. There is an emphasis on the network, transport and application layers and the ability to analyse, design and manage massive scale and non-homogeneous complex inter-networks which simultaneously service the diverse needs of multiple classes of traffic.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

49202	Communication Protocols		6cp
49238	Telecommunication Networks Management		6cp
Select 12 credit points from the following options:			12cp
49201	Integrated Services Networks	6cp	
49215	Telecommunications Industry Management	6cp	
49249	Telecommunications Engineering Review	6cp	
49048	Wireless Networking Technologies	6cp	
49262	Web Technologies	6cp	
49203	Telecommunications Signal Processing	6cp	
49110	3G Mobile Communication Systems	6cp	
32001	Mobile Commerce Technologies	6cp	
32118	Mobile Communications and Computing	6cp	
42902	Interior Routing and High Availability	6cp	
42903	Multi Protocol Label Switching	6cp	
32555	Fundamentals of Software Development	6cp	
32570	Enterprise Software Architecture and Middleware	6cp	
			Total 24cp

MAJ03435 Telecommunications Engineering

Telecommunications is an integral part of modern society. This major allows recent graduates and people already in the workforce to deepen and/or broaden skills and knowledge in various areas with telecommunication engineering. In particular, there is a strong emphasis on wireless forms of communication engineering, including satellite and cellular mobiles. Candidates must have completed previous undergraduate studies in telecommunications to gain entry to this major, as it requires a solid understanding of signal theory, signals and systems, modulation and coding, as well as propagation. For candidates who want to move into the telecommunications area and do not meet the above criteria, there is another major called Telecommunication Networks that may be suitable for your needs.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

49205	Transmission Systems		6cp
49215	Telecommunications Industry Management		6cp
Select 12 credit points from the following options:			12cp
49201	Integrated Services Networks	6cp	
49048	Wireless Networking Technologies	6cp	
49203	Telecommunications Signal Processing	6cp	
49223	Satellite Communication Systems	6cp	
49249	Telecommunications Engineering Review	6cp	
49110	3G Mobile Communication Systems	6cp	
42890	4G Mobile Technologies	6cp	
			Total 24cp

MAJ03436 Water Engineering

One of today's most prominent challenges, both on a global and a local scale is the scarcity of water. The dwindling supply of water is being caused by factors such as population growth, climate change, poor investment in infrastructure, and management problems. Water engineers are looking for solutions to this water crisis as well as working on other important issues such as protecting eco-systems, and improving rural and urban environments.

Water engineers and managers now require a much broader understanding of water issues. The purpose of the Water Engineering major is to provide engineers and scientists with expert up-to-date knowledge in the fields of water resources management, hydraulics, and hydrology in both urban and rural environments. It is intended to enable students to update their expertise, to appreciate the environmental implications of water schemes, and to develop management skills.

There has been a major shortage of water engineers both in Australia and abroad over the last decade so employment opportunities are vast. There are jobs available in local councils, state and federal government, non-government organisations, small and large consultancies as well as large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering, however applicants with a background in other fields of engineering and/or applied science may also apply.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

Select 24 credit points from the following options:			24cp
49107	Urban Stormwater Design	6cp	
49126	Environmental Management of Land	6cp	
49285	Emergency Management	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49255	Catchment Modelling	6cp	
49256	Flood Estimation	6cp	
49127	Decentralised Water and Wastewater Treatment	6cp	
49117	Floodplain Risk Management in NSW	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 24cp

MAJ03437 Telecommunications Engineering and Telecommunication Networks

49202	Communication Protocols		6cp
49238	Telecommunication Networks Management		6cp
49215	Telecommunications Industry Management		6cp
49205	Transmission Systems		6cp
Select 18 credit points from the following options:			18cp
49201	Integrated Services Networks	6cp	
49203	Telecommunications Signal Processing	6cp	
49048	Wireless Networking Technologies	6cp	
49249	Telecommunications Engineering Review	6cp	
49126	Environmental Management of Land	6cp	
32555	Fundamentals of Software Development	6cp	
42890	4G Mobile Technologies	6cp	
			Total 42cp

MAJ03438 Computer Control Engineering

Computer control engineering involves the use of computers to control real-time applications in areas such as instrumentation automation for manufacturing, biomedical and power applications. Computer control engineers combine control, electronics, software and computer systems to design innovative solutions for industry.

The Computer Control Engineering major offers subjects which teach you about the brains behind machines, how to design systems for computer or biomedical applications, the design of artificial intelligence and more.

The knowledge you gain prepares you for work in many industries involving instrumentation and control, electronics, biomedical engineering and power systems. Background knowledge in electrical engineering and computer systems will prepare you for this major, however it is not a requisite.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

CBK90478	Computer Control choice	12cp
CBK90531	Computer Systems choice	12cp
		Total 24cp

MAJ03439 Energy Planning and Policy

Most countries in the world, both developed and developing, view energy issues as a high priority. Concerns about global warming, sustainability issues and the like reinforce the significance and immediacy of energy issues.

Effective planning and policy initiatives are required to identify energy systems that are technically, economically, environmentally and socially feasible and responsible in their approach to the energy needs of society.

The Energy Planning and Policy major contributes to the training and professional development of people working or preparing to work in energy utilities, energy companies, environmental organisations, government departments, consulting groups and other national and international organisations dealing in energy and environmental matters, both in developed and developing countries.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

49021	Evaluation of Infrastructure Investments	6cp
49024	Energy Modelling	6cp
49706	Regulatory Economics	6cp
49026	Electricity Sector Planning and Restructuring	6cp
		Total 24cp

MAJ03440 Local Government Engineering

The Local Government Engineering major has been designed, for the most part, for engineers, technical staff and managers who work for water boards, roads authorities, in Local Government or for consultancies providing services to Local Government.

Depending on options chosen, the contents may include elements of NSW Local Government legislation, local road design, asset maintenance management and planning for the environment.

This major is only suitable for domestic students, as it contains content that is heavily focused on specific elements of NSW legislation and planning guidelines.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

Select 24 credit points from the following options:			24cp
49102	Traffic and Transportation	6cp	
49105	Water Supply and Wastewater Management	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49108	Local Government Powers and Practice	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
			Total 24cp

MAJ03442 Manufacturing Engineering and Management

The Manufacturing Engineering and Management major allows students to upgrade skills and knowledge gained from an undergraduate mechanical/manufacturing engineering degree to advanced areas of mechanical engineering as well as manufacturing engineering and management.

Students can choose from a diverse range of subjects covering a number of different aspects, including:

- operation of factories including material handling, air-conditioning, project management, air and noise pollution
- advanced design and analysis of manufacturing processes including CAD/CAM, optimal design and decision-making, flow modelling, vibration analysis, internal combustion engines, turbine machines, and
- quality and operations management systems, IT and innovation management in manufacturing.

This major is widely recognised and aims to educate technical specialists and managers of tomorrow in manufacturing technologies and management, and prepare them for the challenging demands of leadership roles in manufacturing and management in a global economy.

Completion requirements

Select 24 credit points from the following options:			24cp
49002	Managing Projects	6cp	
49307	Internal Combustion Engines	6cp	
49312	Advanced Flow Modelling	6cp	
49316	Materials Handling	6cp	
49321	Energy Conversion	6cp	
49322	Airconditioning	6cp	
49325	Computer-aided Mechanical Design	6cp	
49328	Turbomachines	6cp	
49049	Air and Noise Pollution	6cp	
49928	Design Optimisation for Manufacturing	6cp	
49330	Sensors and Signal Processing	6cp	
49329	Control of Mechatronic Systems	6cp	
			Total 24cp

MAJ03443 Local Government Engineering and Environmental Engineering

This combination major allows candidates to learn technical skills and knowledge from both the Local Government engineering and Environmental Engineering areas in the Master of Enginering Studies, without the requirement of needing to complete management subjects as is the case with the single majors.

Completion requirements

49108	Local Government Powers and Practice		6cp
49121	Environmental Assessment and Planning		6cp
49126	Environmental Management of Land		6cp
49123	Waste and Pollution Management		6cp
Select 24 credit points from the following options:			24cp
49049	Air and Noise Pollution	6cp	
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49122	Ecology and Sustainability	6cp	
49125	Environmental Risk Assessment	6cp	
49127	Decentralised Water and Wastewater Treatment	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 48cp

MAJ03444 Enterprise Systems Development

This major introduces the practice of creating software applications and is concerned with technology building. Students learn how to build software by applying technologies and practice from computer science, project management and other fields to produce business solutions with known characteristics.

Students also learn how to direct their programming skills to develop programs and systems that deliver the functionality and meet the quality requirements needed to deliver business solutions.

Completion requirements

48024	Applications Programming		6cp
31251	Data Structures and Algorithms		6cp
48440	Software Engineering Practice		6cp
31260	Interface Design		6cp
31281	Systems Development Project		12cp
Select 12 credit points from the following options:			12cp
31284	Web Services Development	6cp	
31253	Database Programming	6cp	
48433	Software Architecture	6cp	
31100	Enterprise Development with .NET	6cp	
31335	Extreme Programming	6cp	
31777	Human-Computer Interaction	6cp	
31927	Application Development with .NET	6cp	
31075	Object-relational Databases	6cp	
41001	Cloud Computing and Software as a Service	6cp	
31242	Advanced Internet Programming	6cp	
41005	Cloud-based Enterprise Application Development	6cp	
41889	Application Development in the iOS Environment	6cp	
31285	Mobile Applications Development	6cp	
			Total 48cp

MAJ03445 Internetworking and Applications

This major provides the necessary knowledge and skills in network design and application development and is concerned with technology services.

Students learn the hows and whys of Internet design - its architecture, protocols and components as well as the enabling software tools and programming methods to achieve a well-designed, secure network.

Businesses and users now require services on demand, network information security, user / service mobility and quality of service. This major addresses these issues along with network and protocol design principles through two major thrusts, designing future networks and developing practical applications and services.

Completion requirements

31261	Internetworking Project		6cp
31277	Routing and Internetworks		6cp
31275	Mobile Networking		6cp
31284	Web Services Development		6cp
31246	Network Design		6cp
41900	Fundamentals of Security		6cp
Select 12 credit points from the following options:			12cp
31242	Advanced Internet Programming	6cp	
31283	WANs and Virtual LANs	6cp	
31285	Mobile Applications Development	6cp	
31254	e-Commerce	6cp	
31274	Network Management	6cp	
31748	Programming on the Internet	6cp	
31338	Network Servers	6cp	
48024	Applications Programming	6cp	
31091	Mobile Computing Project	6cp	
41890	Applying Network Security	6cp	
41891	Cloud Computing Infrastructure	6cp	
48436	Digital Forensics	6cp	
48730	Network Security	6cp	
41889	Application Development in the iOS Environment	6cp	
			Total 48cp

MAJ03446 ICT Engineering

48410	Introduction to ICT Engineering		6cp
48023	Programming Fundamentals		6cp
48441	Introductory Digital Systems		6cp
48510	Introduction to Electrical Engineering		6cp
48541	Signal Theory		6cp
48720	Network Fundamentals		6cp
48471	ICT Analysis		6cp
48481	ICT Design		6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change		6cp
48016	Capstone Project Part A		6cp
48026	Capstone Project Part B		6cp
Select 54 credit points from the following options:			54cp
SMJ03038	Software	54cp	
SMJ03041	Computer Systems	54cp	
SMJ03044	Telecommunications	54cp	
CBK90361	Software option	18cp	
CBK90362	Digital Electronics option	18cp	
CBK90363	Embedded Systems option	18cp	
CBK90364	Signals option	18cp	
CBK90365	Networks option	18cp	
CBK90366	ICT choice	18cp	
CBK90943	Options (Security)	18cp	
SMJ10048	Network Security	54cp	
			Total 120cp

MAJ03447 ICT Engineering

48410	Introduction to ICT Engineering		6cp
48023	Programming Fundamentals		6cp
48441	Introductory Digital Systems		6cp
48510	Introduction to Electrical Engineering		6cp
48541	Signal Theory		6cp
48720	Network Fundamentals		6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change		6cp
Select 42 credit points from the following options:			42cp
SMJ03039	Software	42cp	
SMJ03042	Computer Systems	42cp	
SMJ03045	Telecommunications	42cp	

CBK90361	Software option	18cp
CBK90362	Digital Electronics option	18cp
CBK90363	Embedded Systems option	18cp
CBK90364	Signals option	18cp
CBK90365	Networks option	18cp
CBK90368	ICT choice	6cp
		Total 84cp

MAJ03448 ICT Engineering

48410	Introduction to ICT Engineering	6cp
48023	Programming Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48541	Signal Theory	6cp
48720	Network Fundamentals	6cp
48471	ICT Analysis	6cp
48481	ICT Design	6cp
STM90652	Capstone Project	12cp
Select 42 credit points from the following options:		42cp
SMJ03039	Software	42cp
SMJ03042	Computer Systems	42cp
SMJ03045	Telecommunications	42cp
CBK90361	Software option	18cp
CBK90362	Digital Electronics option	18cp
CBK90363	Embedded Systems option	18cp
CBK90364	Signals option	18cp
CBK90365	Networks option	18cp
CBK90368	ICT choice	6cp
SMJ10049	Network Security	42cp
		Total 102cp

MAJ03449 ICT Engineering

48410	Introduction to ICT Engineering	6cp
48023	Programming Fundamentals	6cp
48441	Introductory Digital Systems	6cp
48510	Introduction to Electrical Engineering	6cp
48541	Signal Theory	6cp
48720	Network Fundamentals	6cp
48471	ICT Analysis	6cp
48481	ICT Design	6cp
STM90652	Capstone Project	12cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
Select 48 credit points from the following options:		48cp
SMJ03040	Software	48cp
SMJ03043	Computer Systems	48cp
SMJ03046	Telecommunications	48cp
CBK90361	Software option	18cp
CBK90362	Digital Electronics option	18cp
CBK90363	Embedded Systems option	18cp
CBK90364	Signals option	18cp
CBK90365	Networks option	18cp
CBK90367	ICT choice	12cp
SMJ10050	Network Security	48cp
		Total 114cp

MAJ03450 Mechanical and Mechatronic Engineering

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48510	Introduction to Electrical Engineering	6cp
48023	Programming Fundamentals	6cp
48520	Electronics and Circuits	6cp
48331	Mechanics of Solids	6cp
48641	Fluid Mechanics	6cp
48600	Mechanical Design 1	6cp
48640	Machine Dynamics	6cp
48531	Electromechanical Automation	6cp
48622	Mechatronics 1	6cp
48642	Strength of Engineering Materials	6cp
48660	Dynamics and Control	6cp
48670	Mechanical and Mechatronic Design	6cp
48650	Mechanical Design 2	6cp
48623	Mechatronics 2	6cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
		Total 114cp

MAJ03451 Integrated Logistic Support and Engineering Management

Logistics engineering involves ensuring that the systems created to meet various needs can be effectively and adequately supported during their lifetime. Without such support, systems do not remain fit for purpose for the required lengths of time.

This major prepares students to manage acquisition and management of complex systems with a view to ensuring that such systems can be supported in an effective manner. The subjects studied for this major prepare students to not only identify the key drivers and requirements for system support, but also to ensure that these considerations are treated with due importance throughout the system's life cycle. The major focuses on both the technical and managerial aspects that typically confront people working in such fields. The program emphasises a systems approach to logistics engineering and enable the student to appreciate the importance of a life-cycle view to system acquisition and management. The individual components of the program familiarise students with the skills relevant to logistics engineering and management.

The knowledge gained prepares students to work in many industries, such as aircraft, defence industries, and other industries, creating systems which require well thought out support systems successful operations and sustainment.

Completion requirements

49001	Judgment and Decision Making	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
		Total 24cp

MAJ03452 Integrated Logistic Support and Engineering Management

Logistics engineering involves ensuring that the systems created to meet various needs can be effectively and adequately supported during their lifetime. Without such support, systems do not remain fit for purpose for the required lengths of time.

This major prepares students to manage acquisition and management of complex systems with a view to ensuring that such systems can be supported in an effective manner. The subjects studied for this major prepare students to not only identify the key drivers and requirements for system support, but also to ensure that these considerations are treated with due importance throughout the system's life cycle. The major focuses on both the technical and managerial aspects that typically confront people working in such fields. The program emphasises a systems approach to logistics engineering and enable the student to appreciate the importance of a life-cycle view to system acquisition and management. The individual components of the program familiarise students with the skills relevant to logistics engineering and management.

The knowledge gained prepares students to work in many industries, such as aircraft, defence industries, and other industries, creating systems which require well thought out support systems successful operations and sustainment.

Completion requirements

49001	Judgment and Decision Making	6cp
49004	Systems Engineering for Managers	6cp
49069	Leadership and Responsibility	6cp
49309	Quality Planning and Analysis	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49098	Engineering Financial Control	6cp
49680	Value Chain Engineering Systems	6cp
		Total 48cp

MAJ03453 Civil Engineering

The Civil Engineering major allows students to further broaden and/or deepen their previous studies in civil engineering while also addresses some aspects of professional practice. This is a broad major that covers water engineering, some structural engineering, local government engineering and also environmental engineering. Specialist majors are also available in these areas.

Completion requirements

CBK90230	Elective		6cp
Select 18 credit points from the following options:			18cp
49002	Managing Projects	6cp	
49102	Traffic and Transportation	6cp	
49105	Water Supply and Wastewater Management	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49115	Facade Engineering	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
49131	Bridge Design	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49143	Civil Engineering Review 1	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49118	Applied Geotechnics	6cp	
49144	Civil Engineering Review 2	6cp	
49151	Concrete Technology and Practice	6cp	
49257	Geographic Information Systems	6cp	
49135	Wind Engineering	6cp	
49255	Catchment Modelling	6cp	
49256	Flood Estimation	6cp	
49047	Finite Element Analysis	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 24cp

MAJ03454 Civil Engineering

The Civil Engineering major allows students to further broaden and/or deepen their previous studies in civil engineering while also addresses some aspects of professional practice. This is a broad major that covers water engineering, some structural engineering, local government engineering and also environmental engineering. Specialist majors are also available in these areas.

Completion requirements

CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
49002	Managing Projects	6cp	
49102	Traffic and Transportation	6cp	
49105	Water Supply and Wastewater Management	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49115	Facade Engineering	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
49131	Bridge Design	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49143	Civil Engineering Review 1	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49118	Applied Geotechnics	6cp	
49151	Concrete Technology and Practice	6cp	
49144	Civil Engineering Review 2	6cp	
49135	Wind Engineering	6cp	
49257	Geographic Information Systems	6cp	
49108	Local Government Powers and Practice	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49256	Flood Estimation	6cp	
49255	Catchment Modelling	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 48cp

MAJ03455 Civil Engineering

The Civil Engineering major allows students to further broaden and/or deepen their previous studies in civil engineering while also addresses some aspects of professional practice. This is a broad major that covers water engineering, some structural engineering, local government engineering and also environmental engineering. Specialist majors are also available in these areas.

Completion requirements

Select 24 credit points from the following options:			24cp
49002	Managing Projects	6cp	
49102	Traffic and Transportation	6cp	
49105	Water Supply and Wastewater Management	6cp	
49106	Road Engineering Practice	6cp	
49107	Urban Stormwater Design	6cp	
49109	Engineered Natural Water Treatment Systems	6cp	
49115	Facade Engineering	6cp	
49121	Environmental Assessment and Planning	6cp	
49126	Environmental Management of Land	6cp	
49131	Bridge Design	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49143	Civil Engineering Review 1	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	
49118	Applied Geotechnics	6cp	
49135	Wind Engineering	6cp	
49151	Concrete Technology and Practice	6cp	
49144	Civil Engineering Review 2	6cp	
49257	Geographic Information Systems	6cp	
49108	Local Government Powers and Practice	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49256	Flood Estimation	6cp	
49255	Catchment Modelling	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
42991	Advanced Water and Wastewater Treatment	6cp	
			Total 24cp

MAJ03456 Civil Engineering and Structural Engineering

The Civil Engineering and Structural Engineering major allows students to focus on technical content in structural engineering as well as some aspects of civil engineering. Students can elect to tailor the balance of structural engineering subjects versus general civil engineering subjects.

Completion requirements

CBK90609	Civil and Structural Engineering		24cp
Select 24 credit points from the following options:			24cp
49047	Finite Element Analysis	6cp	
49131	Bridge Design	6cp	
49134	Structural Dynamics and Earthquake Engineering	6cp	
49136	Application of Timber in Engineering Structures	6cp	
49150	Prestressed Concrete Design	6cp	
49115	Facade Engineering	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49151	Concrete Technology and Practice	6cp	
49135	Wind Engineering	6cp	
			Total 48cp

MAJ03457 Value Chain Management

This major is only available to approved employees of the Defence Materiel Organisation (DMO) who have been sponsored for admission into this program.

Completion requirements

49001	Judgment and Decision Making	6cp
49002	Managing Projects	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp
		Total 24cp

MAJ03458 Geotechnical Engineering

Geotechnical engineering is a professional engineering discipline dealing with the design, construction and maintenance of the earth infrastructures, such as foundations of buildings, towers, bridges, dams, road and rail embankments, tunnels, retaining walls and natural slopes. Currently there is a global need for geotechnical engineers for design and construction of challenging large infrastructure projects. The Geotechnical Engineering major trains students in a variety of skills such as planning and undertaking geotechnical site investigations and laboratory testing, designing major structures in ground, and designing appropriate ground improvement techniques for problematic soils and contaminated sites. The knowledge and skills that students gain prepare them to work in many industries and organisations including local councils, state and federal government, non-government organisations, geotechnical consultancies, construction companies and large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering. However, applicants with a background in other fields of engineering or applied science may also apply.

Completion requirements

CBK90675	Geotechnical Engineering choice	18cp
CBK90230	Elective	6cp
		Total 24cp

MAJ03459 Civil and Geotechnical Engineering

Geotechnical engineering is a professional engineering discipline dealing with the design, construction and maintenance of the earth infrastructures, such as foundations of buildings, towers, bridges, dams, road and rail embankments, tunnels, retaining walls and natural slopes. Currently there is a global need for geotechnical engineers for design and construction of challenging large infrastructure projects. The Geotechnical Engineering major trains students in a variety of skills such as planning and undertaking geotechnical site investigations and laboratory testing, designing major structures in ground, and designing appropriate ground improvement techniques for problematic soils and contaminated sites. The knowledge and skills that students gain prepare them to work in many industries and organisations including local councils, state and federal government, non-government organisations, geotechnical consultancies, construction companies and large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering. However, applicants with a background in other fields of engineering or applied science may also apply.

Completion requirements

CBK90676	Civil and Geotechnical Engineering choice A	24cp
CBK90677	Civil and Geotechnical Engineering choice B	24cp
		Total 48cp

MAJ03460 Geotechnical Engineering

Geotechnical engineering is a professional engineering discipline dealing with the design, construction and maintenance of the earth infrastructures, such as foundations of buildings, towers, bridges, dams, road and rail embankments, tunnels, retaining walls and natural slopes. Currently there is a global need for geotechnical engineers for design and construction of challenging large infrastructure projects. The Geotechnical Engineering major trains students in a variety of skills such as planning and undertaking geotechnical site investigations and laboratory testing, designing major structures in ground, and designing appropriate ground improvement techniques for problematic soils and contaminated sites. The knowledge and skills that students gain prepare them to work in many industries and organisations including local councils, state and federal government, non-government organisations, geotechnical consultancies, construction companies and large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering. However, applicants with a background in other fields of engineering or applied science may also apply.

Completion requirements

CBK90331	Subject choice (Group A)		18cp
CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49118	Applied Geotechnics	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49126	Environmental Management of Land	6cp	
49143	Civil Engineering Review 1	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49257	Geographic Information Systems	6cp	
49258	Pavement Analysis and Design	6cp	
			Total 48cp

MAJ03461 Geotechnical Engineering

Geotechnical engineering is a professional engineering discipline dealing with the design, construction and maintenance of the earth infrastructures, such as foundations of buildings, towers, bridges, dams, road and rail embankments, tunnels, retaining walls and natural slopes. Currently there is a global need for geotechnical engineers for design and construction of challenging large infrastructure projects. The Geotechnical Engineering major trains students in a variety of skills such as planning and undertaking geotechnical site investigations and laboratory testing, designing major structures in ground, and designing appropriate ground improvement techniques for problematic soils and contaminated sites. The knowledge and skills that students gain prepare them to work in many industries and organisations including local councils, state and federal government, non-government organisations, geotechnical consultancies, construction companies and large multinational firms.

This major is mostly suited to applicants who have an undergraduate degree in civil engineering. However, applicants with a background in other fields of engineering or applied science may also apply.

Completion requirements

Select 24 credit points from the following options:			24cp
49118	Applied Geotechnics	6cp	
49119	Problematic Soils and Ground Improvement Techniques	6cp	
49254	Advanced Soil Mechanics and Foundation Design	6cp	
49258	Pavement Analysis and Design	6cp	
49102	Traffic and Transportation	6cp	
49106	Road Engineering Practice	6cp	
49116	Contaminated Site and Waste Remediation	6cp	
49257	Geographic Information Systems	6cp	
49126	Environmental Management of Land	6cp	
49143	Civil Engineering Review 1	6cp	
			Total 24cp

MAJ03462 Operations

49989	Operations Engineering		6cp
49306	Quality and Operations Management Systems		6cp
49309	Quality Planning and Analysis		6cp
Select 6 credit points from the following options:			6cp
49001	Judgment and Decision Making	6cp	
49004	Systems Engineering for Managers	6cp	
49006	Risk Management in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49069	Leadership and Responsibility	6cp	
49655	Integrated Logistic Support	6cp	
49678	Reliability Availability and Maintainability	6cp	
49680	Value Chain Engineering Systems	6cp	
49002	Managing Projects	6cp	
			Total 24cp

MAJ03463 Operations

49002	Managing Projects	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49989	Operations Engineering	6cp
		Total 24cp

MAJ03464 Operations

49002	Managing Projects		6cp
49306	Quality and Operations Management Systems		6cp
49309	Quality Planning and Analysis		6cp
49989	Operations Engineering		6cp
CBK90230	Elective		6cp
Select 18 credit points from the following options:			18cp
49001	Judgment and Decision Making	6cp	
49004	Systems Engineering for Managers	6cp	
49006	Risk Management in Engineering	6cp	

49016	Technology and Innovation Management	6cp
49069	Leadership and Responsibility	6cp
49655	Integrated Logistic Support	6cp
49678	Reliability Availability and Maintainability	6cp
49680	Value Chain Engineering Systems	6cp
		Total 48cp

MAJ03465 Biomedical Engineering

This major applies engineering principles and design concepts to medicine and biology. It offers subjects which teach the design and problem-solving skills for problems from both engineering and biology perspectives. It also teaches how to design devices and systems for biomedical or health applications. The knowledge gained prepares students for work in industry, hospitals, research facilities, teaching and government regulatory agencies. Background knowledge in electrical engineering, mechanical engineering, computer systems and biomedical science prepares students for this major, however it is not a requisite.

Completion requirements

CBK90851	Biomedical Engineering	12cp
CBK90854	Biomedical Engineering	12cp
		Total 24cp

MAJ03466 Biomedical Engineering

This major applies engineering principles and design concepts to medicine and biology. It offers subjects which teach the design and problem-solving skills for problems from both engineering and biology perspectives. It also teaches how to design devices and systems for biomedical or health applications. The knowledge gained prepares students for work in industry, hospitals, research facilities, teaching and government regulatory agencies. Background knowledge in electrical engineering, mechanical engineering, computer systems and biomedical science prepares students for this major, however it is not a requisite.

Completion requirements

CBK90851	Biomedical Engineering	12cp
CBK90852	Biomedical Engineering	18cp
CBK90853	Engineering Management	18cp
		Total 48cp

MAJ03467 Systems Engineering

This major prepares students to manage acquisition, development and management of complex systems with a view to ensuring that such systems are 'fit for purpose' and can be supported in an effective manner. The subjects studied prepare students not only to identify the key drivers and requirements for engineered systems, but also to ensure that these considerations, including the increasingly important economic considerations, are treated with due importance throughout a system's life cycle. The major focuses on both the technical and managerial aspects that typically confront people working in such fields.

Completion requirements

49004	Systems Engineering for Managers		6cp
32569	Enterprise Business Requirements		6cp
49655	Integrated Logistic Support		6cp
49002	Managing Projects		6cp
49001	Judgment and Decision Making		6cp
49003	Economic Evaluation		6cp
Select 12 credit points from the following options:			12cp
CBK90743	Electives	12cp	
			Total 48cp

MAJ03468 Systems Engineering

This major prepares students to manage acquisition, development and management of complex systems with a view to ensuring that such systems are 'fit for purpose' and can be supported in an effective manner. The subjects studied prepare students not only to identify the key drivers and requirements for engineered systems, but also to ensure that these considerations, including the increasingly important economic considerations, are treated with due importance throughout a system's life cycle. The major focuses on both the technical and managerial aspects that typically confront people working in such fields.

Completion requirements

49004	Systems Engineering for Managers		6cp
32569	Enterprise Business Requirements		6cp
49655	Integrated Logistic Support		6cp
Select 6 credit points from the following options:			6cp
CBK90230	Elective	6cp	
			Total 24cp

MAJ03469 Systems Engineering

This major prepares students to manage acquisition, development and management of complex systems with a view to ensuring that such systems are 'fit for purpose' and can be supported in an effective manner. The subjects studied prepare students not only to identify the key drivers and requirements for engineered systems, but also to ensure that these considerations, including the increasingly important economic considerations, are treated with due importance throughout a system's life cycle. The major focuses on both the technical and managerial aspects that typically confront people working in such fields.

Completion requirements

49004	Systems Engineering for Managers		6cp
32569	Enterprise Business Requirements		6cp
49655	Integrated Logistic Support		6cp
Select 6 credit points from the following options:			6cp
49002	Managing Projects	6cp	
49001	Judgment and Decision Making	6cp	
49003	Economic Evaluation	6cp	
			Total 24cp

MAJ03470 Biomedical Engineering

Option (elective) choice differs depending on the stream students are enrolled in. The following electives are recommended by the faculty:

- **Physical Science stream**: choose four subjects from the following: 91403, 68075, 67509 (Autumn semester); 91705, 91140, 27174 (Spring semester)
- **Biomedical Sciences stream**: choose five subjects from the following: 91703, 91403, 68075, 67509 (Autumn semester); 27174, 91705, 91708, 91140 (Spring semester).

Completion requirements

49261	Biomedical Instrumentation		6cp
CBK90867	Biomedical Engineering stream choice		12cp
Select 30 credit points from the following options:			30cp
91239	Human Pathophysiology	6cp	
91703	Physiological Systems	6cp	
91708	Medical and Applied Physiology	6cp	
27174	Analysis of Human Motion	6cp	
91403	Medical Imaging	6cp	
68075	Nanomaterials	6cp	
67509	Molecular Nanotechnology	6cp	
91705	Medical Devices and Diagnostics	6cp	
91140	BioNanotechnology	6cp	
49275	Neural Networks and Fuzzy Logic	6cp	
48023	Programming Fundamentals	6cp	
91171	Biomedical Engineering Project A	12cp	
91172	Biomedical Engineering Project B	12cp	
91173	Biomedical Engineering Project	24cp	
			Total 48cp

MAJ03471 Objects and Accessories

89131	Objects and Accessories Studio: Fold	12cp
89132	Objects and Accessories Studio: Layer	12cp
89133	Objects and Accessories Studio: Final Project	12cp
		Total 36cp

MAJ03472 Biomedical Engineering

65111	Chemistry 1		6cp
Select one of the following:			6cp
48221	Engineering Computations	6cp	
48023	Programming Fundamentals	6cp	
48510	Introduction to Electrical Engineering		6cp
Select one of the following:			6cp
48441	Introductory Digital Systems	6cp	
48622	Mechatronics 1	6cp	
31271	Database Fundamentals		6cp
91161	Cell Biology and Genetics		6cp
91400	Human Anatomy and Physiology		6cp

91703	Physiological Systems	6cp
91705	Medical Devices and Diagnostics	6cp
48520	Electronics and Circuits	6cp
48541	Signal Theory	6cp
41101	Fundamentals of Biomedical Engineering	6cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
STM90796	Biomedical thread	36cp
		Total 120cp

MAJ03473 Biomedical Engineering

65111	Chemistry 1	6cp
Select one of the following:		6cp
48221	Engineering Computations	6cp
48023	Programming Fundamentals	6cp
48510	Introduction to Electrical Engineering	6cp
Select one of the following:		6cp
48441	Introductory Digital Systems	6cp
48622	Mechatronics 1	6cp
31271	Database Fundamentals	6cp
91161	Cell Biology and Genetics	6cp
91400	Human Anatomy and Physiology	6cp
91703	Physiological Systems	6cp
48520	Electronics and Circuits	6cp
48541	Signal Theory	6cp
41101	Fundamentals of Biomedical Engineering	6cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
STM90797	Biomedical thread	36cp
		Total 114cp

MAJ03474 Objects and Accessories Studio

Select 24 credit points from the following options:		24cp
85836	Objects and Accessories Studio: Fold	12cp
85837	Objects and Accessories Studio: Layer	12cp
		Total 24cp

MAJ03475 Lighting Studio

Select 24 credit points from the following options:		24cp
85830	Lighting Studio: Time and Change	12cp
85831	Lighting Studio: Light, Materials and Space	12cp
		Total 24cp

MAJ04006 Lighting

89114	Lighting Studio: Light, Time and Change	12cp
89115	Lighting Studio: Light, Materials and Space	12cp
89116	Lighting Studio: Final Project	12cp
		Total 36cp

MAJ04007 Perception Space Materials

89141	Perception Space Materials: Research and Conceptualisation	12cp
89142	Perception Space Materials: Design Philosophy - Spatial Design Program	12cp
89143	Perception Space Materials: Constructing Materials - Expanded Field of Practice	12cp
		Total 36cp

MAJ05003 Environmental Change Management

91540	Climate Change and Ecological Modelling	6cp
91541	Monitoring Ecological Variability	6cp
Select one of the following:		6cp
91145	Environmental Protection and Management	6cp
91120	GIS and Remote Sensing	6cp
Select 30 credit points from the following options:		30cp
CBK90640	Elective	6cp
91145	Environmental Protection and Management	6cp
91120	GIS and Remote Sensing	6cp
91155	Stream and Lake Assessment	6cp
91157	Marine Communities	6cp
91116	Wildlife Ecology	6cp
91118	Fisheries Resources	6cp
66513	Marine Geosciences	6cp
91543	Evaluation of Contaminant Effects	6cp
91542	Principles of Contaminated Site Assessment	6cp
91309	Biodiversity Conservation	6cp
91544	Environment Risk Assessment and Remediation	6cp
91545	Environment Research Project A	12cp
91546	Environment Research Project B	12cp
91547	Environment Research Project	24cp
60910	Directed Study A	6cp
60911	Directed Study B	6cp
CBK90682	Options	6cp
91551	Ecohydrology and Climate Change	6cp
		Total 48cp

MAJ06213 Advanced Nursing Practice

This major is not offered to international students.

Completion requirements

92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp
92612	Research in Health	6cp
92608	Advanced Assessment and Diagnosis	6cp
92894	Advanced Clinical Practice	6cp
CBK90508	Sub-major/Four electives	24cp
92609	Pharmacological Therapies in Advanced Practice	6cp
CBK90857	Electives	12cp
		Total 72cp

MAJ06214 Nurse Practitioner

This major is not offered to international students.

This major is not offered in 2014 for new admissions.

Completion requirements

92790	Evidence-based Practice	6cp
92612	Research in Health	6cp
92608	Advanced Assessment and Diagnosis	6cp
92609	Pharmacological Therapies in Advanced Practice	6cp
92611	Complex Case Management	6cp
98727	Quality Use of Medicines in Advanced Practice	6cp
98728	Leadership, Accountability and Role Development in Advanced Practice	6cp
CBK90508	Sub-major/Four electives	24cp
92606	Issues in Australian Health Services	6cp
		Total 72cp

MAJ06215 Health Research

The Health Research major provides a blend of health services management, research coursework and independent study subjects to assist graduates in undertaking health services research and those who wish to be considered for admission to a doctoral program.

Completion requirements

STM90761	Health Research Level 1	24cp
STM90762	Health Research Level 2	24cp
Select 24 credit points from the following options:		24cp
CBK90842	Health Research RPL	24cp
		Total 72cp

MAJ06216 Exercise Science

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
92555	Motor Learning and Control	6cp
92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
92562	Exercise Rehabilitation	6cp
CBK90912	Electives	12cp
		Total 48cp

MAJ07041 Personal Development, Health and Physical Education

023125	Learning in Personal Development, Health and Physical Education 1	6cp
023122	Professional Practice in Personal Development, Health and Physical Education 1	6cp
023126	Learning in Personal Development, Health and Physical Education 2	6cp
023123	Professional Practice in Personal Development, Health and Physical Education 2	6cp
		Total 24cp

MAJ07047 Technology and Applied Studies

Free choice of electives.

MAJ07048 Visual Arts

Free choice of electives.

MAJ07049 English

Free choice of electives.

MAJ07050 ESL

Free choice of electives.

MAJ07051 Education

92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp
92612	Research in Health	6cp
92721	Health Promotion and Health Education	6cp
SMJ07002	Clinical Teaching	24cp
CBK90148	Education subjects (PG)	6cp
CBK90510	Electives	18cp
		Total 72cp

MAJ07054 TESOL

013096	Grammar and the Construction of Meaning	6cp
013121	Theory and Practice of Teaching English to Speakers of other Languages	6cp
013117	Theory and Practice of Literacy	6cp
013105	Language Development	6cp
013952	Research Perspectives	6cp
CBK90632	Options	18cp
		Total 48cp

MAJ07055 Applied Linguistics

013087	Discourse Analysis	6cp
013095	Global Englishes	6cp
013096	Grammar and the Construction of Meaning	6cp
013107	Phonology and Pronunciation	6cp
013952	Research Perspectives	6cp
Select 18 credit points from the following options:		18cp
CBK90037	Options	18cp
		Total 48cp

MAJ07056 e-Learning

CBK90548	Options	12cp
013091	e-Learning Experiences 1	6cp
013092	e-Learning Experiences 2	6cp
013093	e-Learning Technologies	6cp
013090	e-Learning Design	6cp
STM90645	Core subjects	12cp
		Total 48cp

MAJ07058 Mathematics

013047	Mathematics Teaching Methods 1	6cp
013059	Mathematics Teaching Methods 2	6cp
013065	Mathematics Teaching Methods 3	6cp
013071	Mathematics Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07059 Visual Arts

013050	Visual Arts Teaching Methods 1	6cp
013062	Visual Arts Teaching Methods 2	6cp
013068	Visual Arts Teaching Methods 3	6cp
013074	Visual Arts Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07060 Personal Development, Health and Physical Education

013048	Personal Development, Health and Physical Education Teaching Methods 1	6cp
013060	Personal Development, Health and Physical Education Teaching Methods 2	6cp
013066	Personal Development, Health and Physical Education Teaching Methods 3	6cp
013072	Personal Development, Health and Physical Education Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07061 Science

013049	Science Teaching Methods 1	6cp
013061	Science Teaching Methods 2	6cp
013067	Science Teaching Methods 3	6cp
013073	Science Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07062 Languages other than English

013046	Language Teaching Methods 1	6cp
013058	Language Teaching Methods 2	6cp
013064	Language Teaching Methods 3	6cp
013070	Language Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07063 English

013041	English Teaching Methods 1	6cp
013053	English Teaching Methods 2	6cp
013063	English Teaching Methods 3	6cp
013069	English Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07064 Mathematics/Science

013047	Mathematics Teaching Methods 1	6cp
013059	Mathematics Teaching Methods 2	6cp
013049	Science Teaching Methods 1	6cp
013061	Science Teaching Methods 2	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07065 Science/Computing Studies

013049	Science Teaching Methods 1	6cp
013061	Science Teaching Methods 2	6cp
013040	Computing Studies Teaching Methods 1	6cp
013052	Computing Studies Teaching Methods 2	6cp
013020	Professional Experience 1 (Science/Computing Studies)	6cp
013036	Professional Experience 2 (Science/Computing Studies)	6cp
CBK90524	Teaching Discipline Contents	72cp
		Total 108cp

MAJ07066 Mathematics/Computing Studies

013047	Mathematics Teaching Methods 1	6cp
013059	Mathematics Teaching Methods 2	6cp
013040	Computing Studies Teaching Methods 1	6cp
013052	Computing Studies Teaching Methods 2	6cp
013017	Professional Experience 1 (Mathematics/Computing Studies)	6cp
013032	Professional Experience 2 (Mathematics/Computing Studies)	6cp
CBK90524	Teaching Discipline Contents	72cp
		Total 108cp

MAJ07067 Adult Education

The Adult Education major introduces students to an in-depth study of adult learning practice and traditions, approaches to program planning, adult development psychology, and education policy contexts.

In addition to the core areas of the program, students complete two electives chosen from the variety of subjects on offer across the MEd including educational policy, e-learning, educational psychology, popular education, research design and social change, and many others, to form a program of study to suit their professional development needs.

Students bring with them experiences gained from working in diverse settings ranging from public sector organisations, private enterprise, non-government and charity organisations, educational institutions and the broad health field and more. This breadth of practice and experience adds a richness to the program.

Upon completion, graduates are well positioned to be at the cutting edge of learning and change in educational, vocational, community and organisational settings.

Completion requirements

CBK90709	Electives major (AdEd)	12cp
STM90537	Core subjects (Education PG)	18cp
STM90546	Major core subjects (AdEd)	18cp
		Total 48cp

MAJ07068 English/History

This major is not available in 2014.

Completion requirements

013041	English Teaching Methods 1	6cp
013053	English Teaching Methods 2	6cp
013045	History Teaching Methods 1	6cp
013057	History Teaching Methods 2	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07069 Geography/Commerce, Business Studies and Economics

013044	Geography Teaching Methods 1	6cp
013056	Geography Teaching Methods 2	6cp
013039	Commerce, Business Studies and Economics Teaching Methods 1	6cp
013051	Commerce, Business Studies and Economics Teaching Methods 2	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07070 Commerce, Business Studies and Economics

013039	Commerce, Business Studies and Economics Teaching Methods 1	6cp
013051	Commerce, Business Studies and Economics Teaching Methods 2	6cp
013042	Commerce, Business Studies and Economics Teaching Methods 3	6cp
013054	Commerce, Business Studies and Economics Teaching Methods 4	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07071 History/Geography

013045	History Teaching Methods 1	6cp
013057	History Teaching Methods 2	6cp
013044	Geography Teaching Methods 1	6cp
013056	Geography Teaching Methods 2	6cp
CBK90524	Teaching Discipline Contents	72cp
013401	Professional Experience and Classroom Management 1	6cp
013402	Professional Experience and Classroom Management 2	6cp
		Total 108cp

MAJ07072 Indigenous Studies

This major is for students wanting to be at the forefront of learning and change in Indigenous education and development. The major's aims are to build respectful partnerships across all sectors and create meaningful and productive dialogues and collaborations between Indigenous and non-Indigenous peoples, with communication and knowledge sharing that respect and acknowledge the rights of Indigenous peoples to maintain control over their culture.

Completion requirements

STM90645	Core subjects	12cp
013130	Education for Social Change 1	6cp
013131	Education for Social Change 2	6cp
010040	Program Development and Evaluation in Indigenous Education and Development	6cp
010041	Research, Ethics and Indigenous Cultural Heritage	6cp
CBK90590	Options	12cp
		Total 48cp

MAJ07073 Computing Studies

CBK90524	Teaching Discipline Contents	72cp
013040	Computing Studies Teaching Methods 1	6cp
013052	Computing Studies Teaching Methods 2	6cp
013153	Professional Experience 1 (Computing Studies)	6cp
013154	Professional Experience 2 (Computing Studies)	6cp
013157	Computing Studies Teaching Methods 3	6cp
013158	Computing Studies Teaching Methods 4	6cp
		Total 108cp

MAJ07074 Commerce, Business Studies and Economics/ Computing Studies

CBK90524	Teaching Discipline Contents	72cp
013039	Commerce, Business Studies and Economics Teaching Methods 1	6cp
013051	Commerce, Business Studies and Economics Teaching Methods 2	6cp
013040	Computing Studies Teaching Methods 1	6cp
013052	Computing Studies Teaching Methods 2	6cp
013155	Professional Experience 1 (Commerce, Business Studies and Economics/Computing Studies)	6cp
013156	Professional Experience 2 (Commerce, Business Studies and Economics/Computing Studies)	6cp
		Total 108cp

MAJ07076 Organisational and Workplace Learning

This major provides a foundation in core areas concerned with adult learning as well as specific subjects related to organisational and workplace learning that reflect the growing focus on professional learning, changing professional practice and leading informal and formal learning strategies.

It is ideally suited for people working in learning and development units, human resource management, vocational and workplace policy, organisational learning areas and those who are responsible for leading and facilitating formal and informal learning in the workplace.

In addition to the core areas of the major, students complete two electives chosen from the variety of subjects on offer across the MEd including educational policy, e-learning, educational psychology, research design, popular education and social change, and many others, to form a program of study to suit their professional development needs.

Upon completion, graduates are well positioned to be at the cutting edge of learning and change in educational, vocational, community and organisational settings.

Completion requirements

STM90537	Core subjects (Education PG)	18cp
STM90539	Major core subjects (OrgWrkplLrn)	18cp
CBK90708	Electives major (OrgWrkplLrn)	12cp
		Total 48cp

MAJ07077 Popular Education and Social Change

This major provides a foundation in core areas concerned with adult learning as well as specific subjects related to popular education approaches in community action and social change. A set of subjects on popular education and social movements; narrative and storymaking in education and change; and new media and social change offer a unique opportunity to focus on contemporary approaches to popular education and social change.

The major is aimed at people who aspire to, or are currently working in organisations that focus on social change. These range from trade unions, to community and social movement organisations, charities and advocacy bodies, and more. It is ideally suited for people who are working with others in campaigning, organising, advocacy and activism. Major participants are most likely working as educators, organisers, campaigners, researchers, or advocates and are interested in developing strategies to assist their members, constituents and potential allies learn. Utilising a popular education approach the major draws from and build upon the experiences and expertise of the participants.

In addition to the core subjects, students complete two electives chosen from the variety of subjects on offer across the MEd program including e-learning, critical pedagogy and film, educational policy, research design, and many others, to form a program of study that suits their personal and professional development needs.

Upon completion graduates are well positioned to use their skills and knowledge to be more effective and reflective educational practitioners and leaders.

Completion requirements

STM90537	Core subjects (Education PG)	18cp
STM90538	Major core subjects (PopEdSocChange)	18cp
CBK90707	Electives major (PopEdSocChange)	12cp
		Total 48cp

MAJ08020 Human Resource Management

This major provides students with the skills, knowledge, and abilities to effectively contribute to an organisation's human resource management (HRM) functions, either as a practitioner or as part of a broader management role. It introduces students to the frameworks governing and influencing HRM and aims to develop an understanding and competency in the practice of HRM as applied in Australian and international contexts. Students' critical analysis skills, understanding of the role of communication and information technology and appreciation of ethical issues in HRM are developed through the study of HRM structures, systems and processes as well as strategic approaches to the field of HRM.

Completion requirements

21724	Strategic Human Resource Management	6cp
21702	Industrial Relations	6cp
21833	International Human Resources Management	6cp
21760	Performance and Talent Management	6cp
21720	Human Resource Management	6cp
21811	Global Strategic Management	6cp
21827	Change Management	6cp
21741	Managing Operations	6cp
		Total 48cp

MAJ08046 Extended Management

The Extended Management major provides specialised study in management; developing outstanding students who wish to extend their understanding of management and engage with the subject matter in more depth. It develops students' ability to engage with practical problems through different theoretical approaches to organisation and management and provides them with critical tools needed to understand management and organisation research and theory. Students can focus on specific topics to advance their understanding and ability to solving complex problems and is a strong preparation for further research in management.

Anti-requisite: MAJ08438 Management, MAJ08442 International Business, SMJ08109 Management Consulting, SMJ08130 Management.

Completion requirements

21440	Management Skills	6cp
21909	Advanced Organisation and Management Theorising	6cp
21907	Research Methods and Approaches in Management and Organisations	6cp
21510	The Global Context of Management	6cp
21511	Global Operations and Supply Chain Management	6cp
21512	Understanding Organisations: Theory and Practice	6cp
21513	Business Ethics and Sustainability	6cp
21504	Management Capstone	6cp
Select 24 credit points from the following options:		24cp
21227	Innovation and Entrepreneurship	6cp
21228	Management Consulting	6cp
21591	Transnational Management	6cp
21595	International Management Field Study	6cp
21602	Strategy: Theory and Practice	6cp
21555	Human Resource Management	6cp
21999	Business Internship	6cp
		Total 72cp

MAJ08049 Accounting Information Systems

The Accounting Information Systems major provides students with in-depth knowledge of and skills in accounting and business information management, ERP, business intelligence, business process management and project management. The major emphasises the benefits of the integration of business processes and data integration and addresses issues in business planning, analysis and control.

SAP enterprise and business intelligence solutions are used extensively as demonstration and learning tools. The major is designed for a broad target group ranging from students with knowledge of accounting concepts wanting to increase their accounting/systems skills, to students with an IT background aiming at acquiring knowledge of accounting/business concepts and processes.

Completion requirements

22759	Accounting and ERP	6cp
22708	Accounting Information Systems	6cp
22766	Assurance for Enterprise Systems	6cp
22776	Business Information Systems	6cp
22782	Business Process Integration with ERP	6cp
22783	Business Intelligence 2: Advanced Planning	6cp
22797	Business Intelligence 1: Advanced Analysis	6cp
22787	Business Project Management	6cp
		Total 48cp

MAJ08057 Integrated Communication

57132	Media Relations	8cp
57131	Inventive Media Advertising	8cp
57996	Marketing and Corporate Communication	8cp
		Total 24cp

MAJ08058 Public Relations

57024	Managing Public Communication Strategies	8cp
57132	Media Relations	8cp
57026	Strategic Communication and Negotiation	8cp
		Total 24cp

MAJ08059 Organisational Change and Communication

57035	Organisational Change and Communication	8cp
57994	Managing Organisational Communication	8cp
57995	Learning in Organisations	8cp
		Total 24cp

MAJ08060 Extended Finance

Finance has evolved as a major field of business practised by either business executives in the management of company funds or by executives in the financial sector who may work in financial markets, financial institutions, information technology or consultancy firms that provide financial advice and services to businesses and individuals. The subjects in the Extended Finance major provide graduates with professional skills, deep knowledge and the broad understanding necessary for a career in finance and the financial sector.

Students intending to apply for the honours program in finance should complete 25573 Time Series Econometrics as their optional subject.

Anti-requisite: MAJ08440 Finance, MAJ09209 Economics, SMJ08123 Finance

Completion requirements

25622	Quantitative Business Analysis	6cp
25556	The Financial System	6cp
25503	Investment Analysis	6cp
25557	Corporate Finance: Theory and Practice	6cp
25410	Corporate Financial Analysis (Capstone)	6cp

Select 42 credit points from the following options:			42cp
25005	Economics and Finance of the Life Cycle	6cp	
25421	International Financial Management	6cp	
25558	Issues in Corporate Finance	6cp	
25602	Ethics in Finance	6cp	
25620	Derivative Securities	6cp	
25574	Commercial Bank Management	6cp	
25575	Investment Banking	6cp	
25576	Wealth Management	6cp	
25577	Behavioural Finance	6cp	
25579	Applied Portfolio Management	6cp	
25573	Time Series Econometrics	6cp	
23566	Economics for Business 2	6cp	
25999	Business Internship	6cp	
			Total 72cp

MAJ08063 Extended Marketing

This major has an in-depth focus on all aspects of the marketing functional area. It provides specialised study in marketing, developing hands-on experience in applying the principles and best practices that underlie contemporary marketing.

Anti-requisites: MAJ08441 Marketing, MAJ08116 Marketing Communication, SMJ08137 Advertising, SMJ08138 Marketing, SMJ08132 Marketing Research, SMJ08204 Strategic Marketing, SMJ08131 Advanced Advertising.

Completion requirements

24202	Consumer Behaviour		6cp
24309	Marketing Research		6cp
24210	Integrated Marketing Communications		6cp
24415	Marketing Planning and Strategy		6cp
24331	Marketing Analytics and Decisions		6cp
24222	Marketing Channels		6cp
24223	New Product Marketing		6cp
24224	Pricing Strategies and Tactics		6cp
24100	Applied Project in Marketing (Capstone)		6cp
Select 18 credit points from the following options:			18cp
24104	Emerging Marketing Issues and Social Media	6cp	
24205	Business-to-Business Marketing	6cp	
24220	International Marketing	6cp	
24306	Services Marketing	6cp	
24510	Advertising Research	6cp	
24902	Research Methodology and Data Analysis Techniques	6cp	
24908	Research Design and Data Collection Techniques	6cp	
24999	Business Internship	6cp	
			Total 72cp

MAJ08068 Financial Services

The operation of the financial services sector is critical to the operation of the economy. Consequently, an understanding of how financial information is generated and used, together with how the financial markets operate, is important. The subjects in this major provide students with essential professional skills in how financial reports are prepared, how financial information may be used and how the financial system operates. This major is only available to Bachelor of Business students undertaking majors other than MAJ08437 Accounting.

Anti-requisite: MAJ08437 Accounting, MAJ08060 Extended Finance, SMJ08116 Financial Reporting, SMJ08123 Finance.

Completion requirements

25556	The Financial System	6cp
22320	Accounting for Business Combinations	6cp
25622	Quantitative Business Analysis	6cp
25503	Investment Analysis	6cp
22420	Accounting Standards and Regulations	6cp
79017	Taxation Law	6cp
25557	Corporate Finance: Theory and Practice	6cp
22319	Financial Statement Analysis (Capstone)	6cp
		Total 48cp

MAJ08116 Marketing Communication

This major has been developed in response to a need in the advertising industry for university graduates who have an understanding of the strategic decisions that must be made to manage a firm's advertising and promotion activities. It is designed for students who are interested in specialising in the study of advertising, promotions and media within a managerial framework. Students gain skills to plan and manage advertising and promotional campaigns, and evaluate their effectiveness through market research.

Anti-requisites: SMJ08137 Advertising, SMJ08138 Marketing, SMJ08131 Advanced Advertising.

Completion requirements

24202	Consumer Behaviour	6cp
59330	Advertising Practice	6cp
24210	Integrated Marketing Communications	6cp
24309	Marketing Research	6cp
24207	Media Planning	6cp
24510	Advertising Research	6cp
59333	Advertising Strategies	6cp
24101	Applied Project in Marketing Communication (Capstone)	6cp
		Total 48cp

MAJ08437 Accounting

Note: This major is only available to Bachelor of Business students undertaking majors other than MAJ08068 Financial Services. The Accounting major builds on the core subjects to develop the intellectual attributes needed by current and future accountants. It satisfies the university education requirements of the Institute of Chartered Accountants of Australia, CPA Australia and the Chartered Institute of Management Accountants.

As part of the Accounting major, Bachelor of Business Bachelor of Laws (C10125) (see page 184) students must substitute an alternative subject in place of 79014 Applied Company Law. Students who complete 76212 Revenue Law as a Law option may apply to substitute an alternative subject in place of 79017 Taxation Law.

Anti-requisites: MAJ08068 Financial Services, SMJ08195 Management Reporting, SMJ08116 Financial Reporting

Completion requirements

22320	Accounting for Business Combinations	6cp
22321	Cost Management Systems	6cp
22420	Accounting Standards and Regulations	6cp
79014	Applied Company Law	6cp
22522	Assurance Services and Audit	6cp
79017	Taxation Law	6cp
22421	Management Decisions and Control	6cp
22319	Financial Statement Analysis (Capstone)	6cp
		Total 48cp

MAJ08438 Management

This major is underpinned by creative and critical thinking reflective of tertiary level education focused on the issues of responsible, reflexive and accountable management. The program is proactive in responding to and shaping the contexts, demands and perceptions of managers in increasingly complex and turbulent times. The major is designed so that students can direct their program of study toward developing many of the essential attributes and competencies necessary for a career in a professional role in general management, entrepreneurship, supply chain management or other management related roles.

Anti-requisite: MAJ08046 Extended Management, MAJ08446 Human Resource Management, SMJ08109 Management Consulting, SMJ08130 Management.

Completion requirements

21510	The Global Context of Management		6cp
21512	Understanding Organisations: Theory and Practice		6cp
21511	Global Operations and Supply Chain Management		6cp
21440	Management Skills		6cp
21513	Business Ethics and Sustainability		6cp
21504	Management Capstone		6cp
Select 12 credit points from the following options:			12cp
21591	Transnational Management	6cp	
21227	Innovation and Entrepreneurship	6cp	
21228	Management Consulting	6cp	
21595	International Management Field Study	6cp	
21602	Strategy: Theory and Practice	6cp	
21555	Human Resource Management	6cp	
21999	Business Internship	6cp	
			Total 48cp

MAJ08440 Finance

Finance has evolved as a major field of business practised by either business executives in the management of company funds or by executives in the financial sector who may work in financial markets, financial institutions, information technology or consultancy firms that provide financial advice and services to businesses and individuals. The subjects in the Finance major provide graduates with the professional skills, knowledge and understanding necessary for a career in finance and the financial sector.

To be eligible for admission to the Finance strand in the Bachelor of Business (Honours), students are required to complete 25573 Time Series Econometrics and either 25620 Derivative Securities or 25558 Issues in Corporate Finance.

UTS is a CFA Program Partner Institution based on the Bachelor of Business with a major in finance. CFA Institute has partnerships with select universities around the world that have embedded a significant percentage (70 per cent) of the CFA® (Chartered Financial Analyst®) Program Candidate Body of Knowledge into their degree programs.

The subjects in this major are offered at both City and Kuring-gai campuses.

Anti-requisites: MAJ08060 Extended Finance, SMJ08123 Finance

Completion requirements

25556	The Financial System		6cp
25622	Quantitative Business Analysis		6cp
25503	Investment Analysis		6cp
25410	Corporate Financial Analysis (Capstone)		6cp
25557	Corporate Finance: Theory and Practice		6cp
Select 18 credit points from the following options:			18cp
25421	International Financial Management	6cp	
25558	Issues in Corporate Finance	6cp	
25602	Ethics in Finance	6cp	
25005	Economics and Finance of the Life Cycle	6cp	
25620	Derivative Securities	6cp	
25574	Commercial Bank Management	6cp	
25576	Wealth Management	6cp	
25577	Behavioural Finance	6cp	
25579	Applied Portfolio Management	6cp	
25573	Time Series Econometrics	6cp	
25575	Investment Banking	6cp	
23566	Economics for Business 2	6cp	
25999	Business Internship	6cp	
			Total 48cp

MAJ08441 Marketing

The Marketing major develops a deep understanding of marketing so that managers can drive organisational growth through a profitable implementation of marketing thinking and strategies. It develops practical marketing competencies and essential skills to implement marketing-oriented strategies that allow companies to improve their performance.

Anti-requisite: SMJ08137 Advertising, SMJ08138 Marketing.

Completion requirements

24202	Consumer Behaviour		6cp
24309	Marketing Research		6cp
24210	Integrated Marketing Communications		6cp
24415	Marketing Planning and Strategy		6cp
24100	Applied Project in Marketing (Capstone)		6cp
Select 18 credit points from the following options:			18cp
24222	Marketing Channels	6cp	
24223	New Product Marketing	6cp	
24224	Pricing Strategies and Tactics	6cp	
24205	Business-to-Business Marketing	6cp	
24331	Marketing Analytics and Decisions	6cp	
24220	International Marketing	6cp	
24306	Services Marketing	6cp	
24104	Emerging Marketing Issues and Social Media	6cp	
24999	Business Internship	6cp	
			Total 48cp

MAJ08442 International Business

The International Business major reflects the growing importance of the global economy in contemporary business activity. This major provides students with a foundation of core studies in international business and a range of international electives providing practical experiences in the international business arena.

21595 International Management Field Study involves overseas travel and related expenses (see the subject coordinator for further details).

Anti-requisite: MAJ08046 Extended Management, SMJ08129 International Management.

Completion requirements

21510	The Global Context of Management		6cp
21591	Transnational Management		6cp
21506	International Business Capstone		6cp
22240	International Accounting		6cp
24220	International Marketing		6cp
21511	Global Operations and Supply Chain Management		6cp
Select 12 credit points from the following options:			12cp
21440	Management Skills	6cp	
23304	Asian-Australian Economics Relations	6cp	
22309	Accounting for Overseas Transactions	6cp	
23564	Labour and Industry in the Global Context	6cp	
21595	International Management Field Study	6cp	
79603	International Business Transactions and the Law	6cp	
21602	Strategy: Theory and Practice	6cp	
21999	Business Internship	6cp	
			Total 48cp

MAJ08443 Tourism Management

This major explores in depth the phenomenon of tourism and the functioning of the tourism industry. It examines the two-way relationship that exists between tourism and its sociocultural, economic, technological, political, legal and physical environments. Elective choices allow students to develop a comprehensive understanding of management, marketing and planning theories and practices in the context of specific tourism industry sectors.

Students are advised to enrol in the Professional Internship (Capstone) subject in the Autumn semester of their final year.

Completion requirements

27184	Dimensions of Tourism		6cp
27185	The Tourist Experience		6cp
27348	Critical Issues in Global Tourism		6cp
27648	The Tourism Business		6cp
27523	Planning for Sustainable Destinations		6cp
27350	Professional Internship (Capstone)		6cp
Select 12 credit points from the following options:			12cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp	
27642	Tourism Marketing	6cp	
27647	Airlines and Transportation Management	6cp	
27327	Tourism and Sustainability	6cp	
27116	e-Marketing and Management of Services	6cp	
27347	Hotel Management	6cp	
27346	Tour Operator and Wholesaling Management	6cp	
27141	Sport Tourism	6cp	
27703	Event Management	6cp	
			Total 48cp

MAJ08445 Sport Management

This major provides a comprehensive understanding of management and marketing theories and practices in the increasingly dynamic and specialist contexts in which sport is played, organised and managed. Graduates possess knowledge and skills in the management of sport experiences and resources, marketing and promotion of events, and current issues affecting sport globally.

Students are advised to enrol in the Professional Internship (Capstone) subject in the Autumn semester of their final year.

Completion requirements

27252	The Sport Industry		6cp
27161	Sport Marketing		6cp
27307	Sport Management		6cp
27253	Sport in the Global Marketplace		6cp
27350	Professional Internship (Capstone)		6cp
27100	Current Issues in Sport Business		6cp
Select 12 credit points from the following options:			12cp
27103	Olympic Games and Mega Events	6cp	
27703	Event Management	6cp	
27628	Law for Leisure, Sport and Tourism	6cp	
27160	Sport and Exercise Psychology	6cp	
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp	
27216	Venue Management	6cp	
			Total 48cp

MAJ08446 Human Resource Management

The Human Resource Management (HRM) major is designed to build on the foundations established in the core units of the Bachelor of Business and as such continues to emphasise the four contemporary themes that integrate the degree. It enables students to acquire a knowledge of the theoretical bases of HRM and employment relations, as well as developing understandings and competencies associated with the practice of management. The major also provides students with a foundation knowledge of HRM frameworks, both in Australia and internationally, as well as an understanding of the broader context in which organisations operate.

Anti-requisite: MAJ08046 Extended Management, MAJ08438 Management, SMJ08128 Human Resource Management, SMJ08130 Management.

Completion requirements

21555	Human Resource Management	6cp
21036	Managing Strategic Performance	6cp
21407	Strategic Human Resource Management	6cp
21037	Managing Employee Relations	6cp
21440	Management Skills	6cp
21510	The Global Context of Management	6cp
21512	Understanding Organisations: Theory and Practice	6cp
21505	Human Resource Management (Capstone)	6cp
		Total 48cp

MAJ08476 Management

The Management major aims to develop integrated knowledge and skills for effective leadership and management within a global, decentralised competitive business environment with its increasing emphasis on technology, quality, diversity and sustainability.

Participants acquire knowledge and apply skills in diverse managerial areas such as strategic decision-making, coaching and mentoring others, managing complex change within organisations, intervening within organisations to ensure better health and effectiveness, managing the value chain for greater effectiveness and efficiency and managing for sustainability. Choice of subjects within the major allows students to tailor their requirements for specific application within various sectors, for example, international management, public sector management and third sector management.

Completion requirements

21012	Governance and Sustainability	6cp
21717	International Management	6cp
21720	Human Resource Management	6cp
21722	Leadership, Coaching and Mentoring	6cp
21741	Managing Operations	6cp
21811	Global Strategic Management	6cp
21827	Change Management	6cp
21854	Innovation and Entrepreneurship	6cp
		Total 48cp

MAJ08480 Marketing

The Marketing major develops an understanding so that managers can drive organisational growth through a profitable implementation of marketing thinking and strategies. It develops practical marketing competencies and essential skills to implement marketing oriented strategies that allow companies to improve their performance.

Completion requirements

24710	Buyer Behaviour	6cp
24713	Marketing Channel Management	6cp
24720	Marketing Research	6cp
24736	Marketing Communications	6cp
24742	New Product Management	6cp
24760	Pricing and Revenue Management	6cp
24790	Business Project: Marketing	6cp
24730	Marketing Strategy	6cp
		Total 48cp

MAJ08483 Professional Accounting

The Professional Accounting major offers graduates in disciplines other than accounting and non-university qualified accountants, such as TAFE Diplomates with extensive accounting experience, the opportunity to meet the academic qualifications necessary for professional membership of CPA Australia and the Institute of Chartered Accountants in Australia.

Industry demand for work readiness expertise in the accounting profession has never been higher. As well as expecting superior professionals, employers now require accountants to be good team players with excellent interpersonal skills, and a mature understanding of the business environment in which they operate.

Students are provided the opportunity to acquire knowledge necessary for the development of information products to assess an organisation's performance using leading-edge accounting methods and practices. This includes measuring environmental risk, examining the adequacy of governance and control mechanisms, addressing the effectiveness of quality management processes, assessing control over treasury operations, and benchmarking corporate strategy development.

Completion requirements

22705	Management Planning and Control	6cp
22730	Auditing and Assurance Services	6cp
22743	Business Valuation and Financial Analysis	6cp
22748	Financial Reporting and Analysis	6cp
22753	Cost Management and Analysis	6cp
22754	Corporate Accounting	6cp
77938	Introduction to Taxation Law	6cp
77947	Companies and Securities Law	6cp
		Total 48cp

MAJ08484 Project Management

Select 48 credit points from the following options:			48cp
15315	Project Management Principles	6cp	
15336	Systems Thinking for Managers	6cp	
15330	Program Management	6cp	
15325	Negotiation and Conflict Management	6cp	
15346	Governance and Leadership of Project Management	6cp	
15327	Managing Project Complexity	6cp	
15314	Project Implementation	6cp	
15335	Project Appraisal and Finance	6cp	
15337	Specialist Project Study	12cp	
			Total 48cp

MAJ08517 Management

21491	Cross Cultural Management	6cp
20101	Management Skills	6cp
20102	The Global Context of Management	6cp
20104	Human Resource Management	6cp
20105	Innovation and Entrepreneurship	6cp
20106	Management Capstone	6cp
CBK90876	Electives (Management)	12cp
		Total 48cp

MAJ08860 Engineering Management

In a world where innovation is a key to success, leaders are called to the fore to manage people and projects. The Engineering Management major is designed for students who have a technical background or a keen interest in technology and therefore a strong alignment with analytical approaches. From this platform the objectives are underpinned by the desire to expose students to a broader body of knowledge and range of approaches than experienced in a purely technical framework.

A key issue is the benefit that accrues from supplementing analytical and mathematical modelling approaches with business and social science skills. Much of the value and strength of the Engineering Management major relate to consideration of approaches and perceptions that are extensions of, or build upon, an engineering/scientific view point. The differences between technocratic approaches and human and societal constructs are brought into sharp focus broadening the perspectives of students.

The major is specifically designed to enhance understanding of the need for technology, people and society to be viewed as closely interrelated aspects of all engineering and business activity.

Awarding of this major on an academic transcript also requires the completion of a graduate project in this broad discipline area.

Completion requirements

Select 24 credit points from the following options:			24cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49003	Economic Evaluation	6cp	
49006	Risk Management in Engineering	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
49309	Quality Planning and Analysis	6cp	
49098	Engineering Financial Control	6cp	
49069	Leadership and Responsibility	6cp	
49680	Value Chain Engineering Systems	6cp	
			Total 24cp

MAJ08914 Human Resource Development

013979	Organisational Learning and Change: Local and Global	6cp
013151	Project Management	6cp
013097	Human Resource Development in Organisations	6cp
013976	Strategic Human Resource Development	6cp
013972	Organisational Learning	6cp
013124	Work and People	6cp
CBK90553	Options	12cp
STM90647	Core subjects	24cp
010076	Professional Practice 1 Organisational Learning	6cp
010077	Professional Practice 2 Organisational Learning	6cp
		Total 84cp

MAJ08915 Management

STM90647	Core subjects	24cp
013097	Human Resource Development in Organisations	6cp
013124	Work and People	6cp
013972	Organisational Learning	6cp
013976	Strategic Human Resource Development	6cp
CBK90788	Options	12cp
STM90772	Management	24cp
		Total 84cp

MAJ08918 Chile

Chile runs for some 5000km down the west coast mountain spine of Latin America, with the country never wider than 180km. The landscape is extremely varied, with hot deserts in the north, a fertile 'Mediterranean' heartland, and forests, lakes and fjords in the south. Because of its relatively stable pace of export-led growth, Chile is often called Latin America's 'tiger' economy, though much of the population still lives in poverty. Australia is developing strong links with Chile, and Chile is also strengthening ties with Asia through its membership of the Asia-Pacific Economic Cooperation. Despite extreme political experiments during the 1970s, Chile has now recovered its earlier reputation as one of Latin America's most solid and moderate democracies. The country's traditional *mestizo*, creole and indigenous cultures survive alongside the rapid spread of more cosmopolitan influences.

Students spend two consecutive semesters studying social science or language, culture and humanities subjects at one or more institutions of higher education in Chile through arrangements made by UTS: International Studies. The focus of study varies each semester depending on individual student preferences and the availability of subjects at host institutions. Students are assessed on each semester separately and assessment is based on the subjects undertaken at the host institutions, as well as assessments administered by UTS: International Studies.

Students may expect that no greater costs are incurred through undertaking a period of in-country study in Chile than are involved in living away from home in Sydney.

Locations

Santiago

Santiago is the capital of Chile, situated in what is sometimes called the 'Mediterranean heartland' of Chile. It was founded in 1541 on the Mapocho River, and currently has a population of about five million. Santiago is regarded as one of the more pleasant capital cities in Latin America. It has great charm, with old and beautiful buildings, quiet neighbourhoods, parks, markets, galleries and bookshops, and many cultural events of all types. It is also a busy modern city with shopping centres, skyscrapers and an efficient underground railway. On days when the air is clear the snow-capped Andes mountains are in full view. Less than two hours drive away are ski slopes to the east and beaches to the west.

Pontificia Universidad Católica (PUC) de Chile is a private university which ranks as one of the top two universities in Chile. It has a student population of nearly 20,000 and boasts a number of well-known research institutes in fields such as the arts, economics, science and medicine. The university was founded in 1888. As well as a full range of academic faculties with excellent facilities, the university also has a large and well-organised program catering for foreign students. The main faculties are in central Santiago.

www.puc.cl

Valparaiso

Viña del Mar is best known as one of Latin America's oldest beach resorts, and for its annual music festival which attracts artists from all over Latin America. Popular with weekenders from Santiago, Viña is a small well-heeled city with some grand old buildings and parks. Its long sea-front promenade is lined with tall apartment blocks. Twenty minutes south on the coastal road is the historic commercial city of Valparaiso, Chile's principal port and naval base (population 280,000). Though poorer and less smart than Viña, Valparaiso is in many ways more interesting historically and culturally. The city is crescent shaped, following the curve of the bay, and rises up steeply into chaotic old neighbourhoods perched on hillsides and accessed by antique funiculars.

Universidad Adolfo Ibáñez is a modern and prestigious private university. It began life in 1953 as a business school, acquiring an international reputation for advanced business and management studies in collaboration with universities such as Harvard and Stanford. Its MBA program is considered one of the best in Latin America. In 1989 it became a university with faculties of Humanities, and Science and Technology; schools of Psychology, Government and Journalism; Business School and Law School; and an Institute for Political Economy. Foreign students are based in the original campus located in the comfortable Recreo neighbourhood overlooking Viña del Mar and Valparaiso.

www.uai.cl

Completion requirements

976001	Foundations in International Studies	8cp
976502	Contemporary Latin(o) Americas	8cp
977520	In-country Study 1: Chile	24cp
978520	In-country Study 2: Chile	24cp
CBK90484	Spanish Language and Culture	32cp
		Total 96cp

MAJ08919 China

China is one of the world's oldest and most influential civilisations. Since the 1980s, when the Chinese Government embraced a program of economic development and greater international openness, it has also had one of the world's fastest growing economies. As host for the 2008 Olympics, China focused the world's attention on its remarkable rise as a major economic and political power of the 21st century. These characteristics, and its expanding influence in the Asia-Pacific region, make the study of China and Chinese culture important for Australia.

After completing a set program of study at UTS and through arrangements made by UTS: International Studies, students spend two consecutive semesters studying at one of the following universities:

- Shanghai University, Shanghai
- Shanxi University, Taiyuan
- Tianjin Normal University, Tianjin
- Yunnan Normal University, Kunming
- Zhejiang University, Hangzhou.

In both semesters the focus is on the study of language and culture. Students are assessed separately on each semester and assessment is based on the subjects undertaken at the host institutions, as well as assessments administered by UTS: International Studies.

Students may expect that no greater costs are incurred through undertaking a period of In-country Study in China than are involved in living away from home in Sydney.

In exceptional circumstances, students with advanced skills in Chinese are excluded from the Chinese Language and Culture program and are required to substitute other appropriate subjects from the list of approved alternative subjects. These subjects may be other subjects on offer in the international studies program, including those relating to the study of contemporary society, or those focusing on another language and culture. Students need to obtain the approval of the head of UTS: International Studies before they can vary any of their subjects of study in the program.

Locations

Hangzhou

Hangzhou is the capital of Zhejiang Province on China's eastern seaboard, 180km south-west of Shanghai. As a former national capital, famous for its rich culture and the beautiful West Lake, Hangzhou's mild climate makes it one of China's most pleasant cities to live in. It is the home of the Chinese silk industry (there is a vast silk market in the centre of town) and a major tea centre, producing the famous Dragon Well Tea.

Hangzhou's Zhejiang University, founded in 1897, is one of the oldest and largest universities in China, and particularly well known for its studies of engineering, ophthalmics and economics. It has more than 33,000 full-time students and over 10,000 staff members, with 20 faculties (schools) and 97 majors for undergraduate students, 194 master's degree programs and 106 doctoral programs. The university has a purpose-built overseas student dormitory on campus and has proven to be one of the most popular in-country study destinations for students in UTS: International Studies' China program.

Kunming

Kunming is the capital city of Yunnan Province in south-western China, bordering Burma, Laos and Vietnam. Known in China as 'spring city' for its year-round pleasant weather, Kunming's location offers access to Yunnan's scenic beauty and diverse ethnic minority cultures.

Founded in 1946, Yunnan Normal University developed during World War II from the Teachers' College of the Southwest Associated University, established through a merger of Beijing University, Qinghua University and Nankai University - the three best universities in China at that time. Yunnan Normal University is known for its strength in the areas of education and studies on the cultures of minority nationalities in south-western China. With the UNESCO-sponsored Southwest China In-service English Training Centre on its campus, it has established strong international links and has more than 5000 full-time students and 6000 adult students, with 14 faculties/departments. The university has a purpose-built overseas student dormitory on campus.

Shanghai

Shanghai, situated on the Yangtze River Delta in east China, is the largest city of the People's Republic of China and the eighth largest in the world. It is one of China's most important cultural, commercial, financial, industrial and communication centres. Shanghai is also one of the world's busiest ports. Considered by many as China's most cosmopolitan and sophisticated city, its skyscrapers and modern lifestyle highlight China's recent economic development.

Shanghai University is a public, comprehensive university. One of China's leading research universities, it ranks among the top 50 in most national rankings. In-country study students study Mandarin at the Yanchang campus.

Taiyuan

Shanxi Province in northern China is the cradle of Chinese culture. Approximately 75 per cent of the surface architecture from ancient China is found in the province. These sites have become important research and tourist attractions for those seeking to understand Chinese culture and history. Surrounded by mountains on three sides and situated on a tributary of the Yellow River, Taiyuan is one of China's most important industrial bases, and also famous for its noodles and vinegar.

Shanxi University, located in the provincial capital, Taiyuan, was founded in 1902 and is one of the three earliest established national universities in China. It offers a wide range of degree, diploma and certificate courses in the fields of liberal arts, sciences, engineering, management, arts and physical education. The university has established intercollegiate relationships with 38 colleges and universities and research institutions around the world.

Tianjin

Lying 120km south-east of Beijing, Tianjin is one of the four municipalities in China directly under the administration of the central government. It is the largest open seaport and one of the most important industrial, commercial and cultural centres in north China. It was once a treaty port with large areas claimed by Western powers as concessions, and many European-style structures have survived intact. Since the 1980s, Tianjin has been in the forefront of China's opening to the outside world and currently more than 8000 foreign-funded firms operate in the city.

Founded in 1958, Tianjin Normal University is the key comprehensive teachers' training institution in Tianjin. It is well known for studies in the areas of development psychology, as well as languages and culture. It has more than 5000 full-time students and 2000 adult students, with 14 faculties/departments. The university has a purpose-built overseas student dormitory on campus.

Semester dates for Chinese universities are Spring (late February to late June) and Autumn (early September to mid January).

Completion requirements

976001	Foundations in International Studies	8cp
976111	Contemporary China	8cp
977110	In-country Study 1: China	24cp
978110	In-country Study 2: China	24cp
CBK90480	Chinese Language and Culture	32cp
		Total 96cp

MAJ08920 France

France is known for its key role in the history and development of European culture and its rich traditions from literature and the arts through to cuisine, sport and style. Modern France, while preserving a strong link to the land, is at the forefront of many technological advances. A leading international player, its recent Republican history has enabled it to remain fiercely independent and at the same time central to the European Union. Geographically diverse, it is said France offers all the landscapes of Europe in microcosm. From the Mediterranean to the English Channel, each region has a strong identity, often retaining ties with older cultures and its many neighbours.

Students spend two consecutive semesters studying at one of the following universities or institutes:

- Université Michel de Montaigne Bordeaux 3, Bordeaux
- Université de Caen Basse-Normandie, Caen
- Télécom and Management SudParis, Évry
- Université Lumière Lyon 2, Lyon
- Université de Poitiers, Poitiers
- Université de Reims Champagne-Ardennes, Reims
- Université Rennes 2 - Haute Bretagne, Rennes
- Université de Strasbourg, Strasbourg
- Université de Toulon et du Var, Toulon.
- Université de la Nouvelle Calédonie, Nouméa.

The location and content of each student's period of in-country study in France is determined by the level of their language competence in French. Generally speaking, students who have a sound working knowledge of French before their entrance to UTS (usually defined as HSC 3-unit or a good pass in 2-unit French) can study at any of the abovementioned universities. Such students study an appropriate two-semester program of host university subjects broadly relating to French and Francophone language, society and culture.

All other students spend a first semester engaged in the study of language and culture at the universities offering special language programs, going on to a second semester of subjects chosen more broadly from the university's curriculum. Special language provision is currently available at Bordeaux's Département d'Etudes de Français Langue Etrangère (DEFLE), Caen's Centre d'Enseignement du Français pour Etrangers (CEFE), Lyon's Centre International d'Etudes Françaises (CIEF), Poitiers's Centre de Français Langue Etrangere (CFLE), Rennes's Centre International Rennais d'Etudes de Français pour Etrangers (CIREFE) and the Centre International d'Etudes Françaises (CIEF) in Reims.

Students are assessed on each semester separately. Assessment is based on the subjects studied at the host university, as well as project work and other tests administered by UTS: International Studies.

Students in France are charged a non-refundable state medical insurance fee (sécurité sociale) for each semester of study. Details may change, but students should set aside a total of around A$800 for this cost, which UTS: International Studies is unable to meet on students' behalf.

Students should be aware that costs of living in France are generally slightly higher than in Australia, though the cost of student accommodation is very reasonable.

Locations

Bordeaux

Capital of Aquitaine, Bordeaux is a city known largely for its wine production and its port. Situated on the river Garonne, it is close to the Pyrenees in the south-west of France, and also within range of the Atlantic beaches. Its heritage is reflected in the 18th century architecture and impressive literary and artistic tradition.

The Université Michel de Montaigne has a strong emphasis on French art and culture, with teaching covering literature, philosophy, history, art history and archaeology, geography, and languages. The campus, nestled among vineyards, is a bus ride from the city centre. There is an excellent modern language centre, and accommodation options include privately rented flats in the city.

Caen

Caen is located in Normandy, near the north coast of France. The city is built of golden stone and is rich in historical associations, which range from abbeys and a chateau commenced by William the Conqueror, through to the D-Day beach landings of World War II.

The university is over five centuries old, but the original buildings, like much of the city, were destroyed during World War II. It is now housed in impressive structures built with international funding around 1950, and the university's emblem is the phoenix as a symbol of rebirth. It has 26,000 students, and faculties of Political Science, Law, Economics and Management, Psychology, History, Physical Science and Sport, as well as a number of teaching institutions. It has highly respected, well-developed language and cultural programs conducted through its associated language centre. Accommodation is available in studios or residences.

Evry

Situated just south of Paris, Evry is a new town which combines a number of existing villages with more modern buildings. It is home to the Cathédrale de la Résurrection, constructed in 1995, and is close to the much debated Disneyland-Paris.

Télécom and Management SudParis, strictly speaking part of the prestigious grande école system rather than a university, offers a range of teaching, research and consultancy activities in the fields of management and engineering. Particular strengths include mobile communications, information systems, multimedia and marketing. Students from UTS typically follow a combination of language classes, human sciences options with relevance to French culture and society, and intercultural communications programs, with additional options in the professional subjects where appropriate. Accommodation is available in modern studios with internet access.

Lyon

The Lyon region is a fast-growing area of the French economy. It is well integrated with European markets as well as being well-placed for physical contacts with Germany, Italy and Switzerland, all of which are relatively easy to access by road. Lyon itself is a large provincial city, with late medieval and 19th century precincts, including the picturesque silk manufacturing area of La Croix Rousse, as well as extensive modern development.

The original Université de Lyon was established last century, with the arts and humanities elements becoming the national Université Lumière, Lyon 2 in the early 1980s. The university has a campus in the centre of the city, situated on the banks of the Rhone, and another much larger at Bron, about 30 minutes from the city centre. Subjects cover a range of disciplines from communication and sociology to education, tourism and economics. Private accommodation is readily available.

Nouméa, New Caledonia

New Caledonia offers a very different version of 'Frenchness'. Designated by the French government as a 'Pays d'Outre Mer' (overseas country), the group of Pacific islands retains administrative and cultural links with France, reflecting its 150-year colonial history. The current population of 200,000 comprises Kanaks, descendants of European settlers, other Pacific islanders, and people who trace their heritage back to other former French colonies. Many of the Kanak population maintain aspects of traditional cultures side-by-side with contemporary Western social and cultural infrastructures. As the capital, Nouméa serves as a relay point between the various communities on the islands, and between New Caledonia and the wider world.

Université de la Nouvelle Calédonie, founded in 1999, offers courses in law, economics, management, humanities, languages, social science and science. It has a campus on the peninsula of Nouville, and another at Magenta in the eastern suburbs of Nouméa. The Nouville campus is adjacent to a French language school, CREIPAC, with which the university has an agreement.

www.univ-nc.nc

Poitiers

Situated not far from the Atlantic coast, Poitiers retains an old city centre boasting many of the finest Romanesque churches in France. At the other end of the spectrum, it is also home to the futuristic theme park Futuroscope. Nearby attractions include the holiday resort of La Rochelle, the island of Oléron, and Angoulême, home of France's national comic books museum.

The university, founded as long ago as 1431, has made a full contribution to European thought, with writers such as Descartes and Francis Bacon having studied there. Today it offers an up-to-date multidisciplinary education with strengths in human sciences and the arts, language and literature, sciences and law and new technologies. There is a strong interest in new technologies and language learning, and accommodation possibilities include city centre apartments.

Reims

Reims is in the heart of the world-famous Champagne region. It is not a large city, but has a key role in French history, and consequently it attracts substantial numbers of tourists because of its cathedral and its associations with Joan of Arc, the King of France and the Holy Roman Emperor. Reims is about one-and-a-half hours from Paris by train and is close to Belgium.

The Université de Reims, Champagne-Ardenne is a comprehensive national university and has faculties of Science, Applied Science, Health Sciences and Engineering, Arts and Humanities, with special research interests in local and regional politics, literature and identity, and, of course, wine-making. The current university dates from the post-war era and at present has about 30,000 students who attend a number of different campuses spread throughout the city. Accommodation possibilities include private rentals.

Rennes

Rennes is the capital of Brittany and the centre of Celtic culture and traditions in France. It has a population of about 330,000, of whom 60,000 are students. Rennes is a mixture of late medieval, timbered buildings and elegant 18th and 19th century urban planning. The Atlantic coast is less than an hour away, and Paris is a two-hour trip by TGV (high-speed train).

The present university was established in 1969 and is one of two universities in Rennes. It has 21,000 students enrolled in five faculties: Languages, Social Sciences, Arts/Letters/Communications, Human Sciences (including linguistics, psychology, education and sociology), as well as classes in Breton language and culture, physical education and sports. Students at Rennes often take classes in the French Language and Culture Centre. Accommodation is available in residences or privately.

Strasbourg

Strasbourg calls itself 'the capital of Europe'. It is the location of the European Parliament and the Council of Europe, and is a centre for economic development, which is rapidly expanding and progressing. Strasbourg has great pride in its local identity, but is also very cosmopolitan. The city has extensive late medieval sections, an imposing Gothic cathedral and impressive modern buildings created for the European institutions located in Strasbourg. With the recent merger of its three universities, Strasbourg has a student population of around 50,000.

The university has a Faculty of Law, plus institutes for Political Science (IEP), Business and Management Studies (EMS); UTS: International Studies has exchange agreements with each of them. As expected, fields of study offered include options with a focus on Europe and the European Union. The university does not have a single campus, but most of its buildings are close to the centre of the city, in an area of strong German architectural influence, built in the late 19th and 20th centuries. Accommodation options include private studios or shared apartments.

Toulon

Toulon is a port city on the Mediterranean coast, with an impressive naval history. Toulon is part of the French Riviera, with Nice and Marseilles within easy train trips, and the Provençal hinterlands a short drive away. Université de Toulon et du Var is located at La Garde, a modern suburb that has grown from an old town approximately 10km from the port area of Toulon and 5-15km from some of the best beaches in Europe.

The university was established in 1968 and has approximately 10,000 students enrolled in five faculties: Law, Arts, Economics and Management, Science and Technology, and Engineering. The Université de Toulon also has an associated Technological Institute. The programs at Toulon are ideally suited to business and law students. Accommodation options include residences, and privately operated studios very close to the campus and the 'Grand Var' shopping complex.

Completion requirements

976001	Foundations in International Studies	8cp
976411	Contemporary France	8cp
977410	In-country Study 1: France	24cp
978410	In-country Study 2: France	24cp
CBK90483	French Language and Culture	32cp
		Total 96cp

MAJ08921 Germany

Germany is the largest country in the European Union. Historically, it has linked Slavic Eastern Europe with Western Europe. This function of Germany as the bridge between West and East still plays a very important role in European political and economic developments. Germany is well known as a major economic power in the world and also has a rich and varied culture and artistic heritage: from some of the world's most influential modern philosophers, such as Nietzsche and Adorno; to the cream of classical composers like Bach and Beethoven. German is the native language of about 100 million people, the official language of Germany, Austria, Luxembourg and Liechtenstein and one of the official languages of Switzerland. It is also the most common *lingua franca* in Eastern Europe.

There are no restrictions on entry to the Germany major of the International Studies program. Students who already have a sound working knowledge of German on entry to UTS have more options for the development of their study program when they undertake in-country study in Germany, however, it is also possible to enter the Germany major with no previous knowledge of the German language.

Through arrangements made by UTS: International Studies, students spend two consecutive semesters studying at one of the following universities:

- Georg-Augustus Universität Göttingen, Göttingen
- Technische Universität Berlin, Berlin
- Universität Karlsruhe, Karlsruhe
- Universität Konstanz, Konstanz
- Universität Potsdam, Potsdam
- Universität Regensburg, Regensburg
- Universität des Saarlandes, Saarbrücken
- Universität Tübingen, Tübingen.

The location and content of each student's period of in-country study in Germany is determined by the level of their language competence in German. Generally speaking, students who have a sound working knowledge of German before their entrance to UTS (usually defined as HSC 3-unit or a good pass in 2-unit German) can study at any of the abovementioned universities. Such students study an appropriate two-semester program of host university subjects broadly relating to German language, society and culture. All other students spend a first semester engaged in the study of language and culture at the universities offering special language programs, going on to a second semester of subjects chosen more broadly from the university's curriculum. Students are assessed on each semester separately and assessment is based on the subjects undertaken at the host institutions, as well as project work administered by UTS: International Studies.

The costs of living in Germany are generally slightly higher than in Australia. On the whole, accommodation is cheaper than in Sydney but eating in restaurants is considerably more expensive. It is, however, possible to spend a year there on an amount roughly comparable to living away from home in Sydney.

Locations

Göttingen

Göttingen, a city of around 130,000 inhabitants, lies in the geographical heart of Germany. The city is over one thousand years old, and was an important Hanseatic commercial centre in the Middle Ages. It suffered from the effects of the Thirty Years' War in the 17th century, but in 1737 George II, King of England and Elector of Hanover, founded a university there, and today Göttingen is one of Germany's best renowned university towns. The brothers Grimm, world-known for their collection of fairy tales, worked in the impressive Göttingen library. More than 40 Nobel Prize winners lived and worked in Göttingen in the 20th century, and the city's lively, cosmopolitan feel is, in large part, the product of the prominent role played by science and education in the past and present, and to the large proportion of students.

Approximately 24,000 students are currently enrolled at the Georg-Augustus University Göttingen. This includes almost 3000 international students. There are 13 faculties and around 170 departments, with over 2000 academic staff. The university is particularly eminent in the natural sciences, but also has a strong tradition in the humanities and social sciences. The faculties encompass Agriculture, Biology, Chemistry, Forestry and Forest Ecology, Geosciences and Geography, Mathematics, Physics, Law, Social Sciences, Economics and Business Administration, Theology and Arts. The Medical Faculty is one of the largest in Germany.

Berlin

Berlin is Germany's historical and present-day capital city and is the country's largest and ethnically and culturally most diverse city. It is a major centre of culture, politics, media and science and is a very popular tourist destination within Europe. The city of Berlin is home to world-renowned museums, universities and research institutes as well as numerous sporting and cultural events. Famous for its festivals, contemporary architecture, nightlife and avant-garde arts Berlin is an exciting, cosmopolitan and increasingly global city to live and study in.

The Technische Universität Berlin is located in the central west of the city in the Charlottenburg district on Strasse des 17 Juni.

Internationally renowned, TU Berlin has a history which spans back to 1770 and has the distinction of being Germany's first technical university. TU Berlin is home to almost 30,000 students and possesses the highest percentage of international students of any German university. Research and teaching at the TU Berlin covers a range of academic disciplines, including engineering and natural sciences, economics, the humanities and social sciences. Semester dates are early April to mid July (Summer semester) and early October to mid February (Winter semester).

www.tu-berlin.de

Karlsruhe

Karlsruhe was established in 1715. Its urban planning, unique in the early 18th century with its streets and avenues radiating like sunbeams in all directions from the palace, is still visible and facilitates orientation. The city is located in the Rhine Basin. It borders on the Black Forest and is in easy reach of France. It is mainly a city of trade and administration. Several significant research and development institutions have contributed to giving Karlsruhe a leading position in international high-tech development. This region, between the Black Forest and the River Rhine, has the highest per capita number of researchers in Germany. Karlsruhe is also well known for being the home of the two highest federal courts of Germany: the Supreme Constitutional Court and the Court of Appeals. However, this is not to say that cultural events are a rarity. The 'Badisches Staatstheater', the concert hall, several museums, art galleries, the 'Barockschloß', libraries and the internationally significant 'Zentrum für Kunst und Medien' (a centre for art and media) offer a great variety of events for those who love art, music and theatre. Tennis courts, soccer fields, public swimming pools, ice skating rinks, golf courses, riding stables, biking and hiking trails, and airports for recreational pilots are also available for sports fanatics.

The École Polytéchnique in Paris was the forerunner of and model for this university, which was founded as a polytechnic on 7 October 1825. Taking its first students in 1832, the polytechnic was expanded and reorganised, in 1967 renamed University Karlsruhe, but retaining its 'Technical School' title as well. Today the University Karlsruhe is a large and modern institution for teaching and research. Engineering and natural sciences, business administration and engineering courses are definitely the strongest university programs here. About 17,000 students currently study at Karlsruhe, 15 per cent from foreign countries. Research innovations are in information

and communication technologies, energy techniques, automation and assembly techniques, and environmental research. Faculties include Business Administration, Humanities, Bio- and Geo-Sciences, Mathematics, Physics, Chemistry, Architecture, Engineering, Chemical Engineering, Computer Science and Information Technology. There are plenty of extracurricular activities on campus: the students' cultural centre, the Collegium Musicum, the university choir, the symphony orchestra, the university big band, the academic flyers, the academic sailing club, and the solar vehicle.

Konstanz

Konstanz is a small city in the south-west of Germany. It has a very picturesque medieval centre and the city is adjacent to the Swiss border, Lake Constance and the Rhine. It is an exceptionally prosperous part of Germany with a very long history. The climate of the Alpine foothills is mild, and the region belongs to those German areas with the most amount of sunshine. The Black Forest can be reached in about one hour, and Konstanz prides itself on being an ideal starting point for mountain trips into the Swiss, Austrian and German Alps.

University Konstanz was established in 1966. A central concept has been the principle of developing 'teaching on the basis of research' and making the courses very student-oriented. This has led to University Konstanz being heralded a model university. A significant expression of this spirit of reform was the establishment of a university library accessible on a 24-hour basis. From its inception, University Konstanz focused on new courses of studies and study-models designed to encourage interdisciplinary cooperation. It is most famous for its departments of Economics, Public Policy and Cultural Studies. Currently there are about 10,000 students enrolled in over 40 degree programs. The campus is located on a hill about 10 minutes by bus from the city, on the shores of Lake Constance. Faculties include Humanities, Social Sciences, Education, Economics, Law, Mathematics, Physics, Chemistry, Biology, Psychology, and Computer Information.

Potsdam

Potsdam became the capital of the state of Brandenburg after German unification in 1990. It is located on the Havel River, and borders on the south-west suburbs of Berlin. In the 17th and 18th centuries Potsdam was the residence of the royal family of Prussia. The Sans Souci Palace and the New Palace, both built by Friedrich II in the middle of the 18th century, are among the architectural wonders of the city. It is Germany's main centre of film production, with a famous studio in Babelsberg and an equally prominent College of Film and Television.

University Potsdam was established in 1991 and is one of the youngest universities in Germany. It aims at being a 'small but excellent' institution of higher education with a traditional, generalist profile for 12,000-15,000 students. About 250 professors and 600 other full-time academic staff are engaged in teaching and research. Special emphasis is put on the four 'flagship' areas: general linguistics, including computer linguistics; history, with a focus on modern history and European Judaism; science and mathematics; and the Potsdam teacher training model. This last area offers an integrated and overlapping education as well as comprehensive, advanced training for the teaching profession. The university is located in the parklands surrounding the elegant palaces. Despite its historical ambience, Potsdam is becoming one of the most modern venues in Germany for research in science and technology. Faculties include Law, Mathematics and Science, Arts, Human Sciences, Economics and Social Science.

Regensburg

The city of Regensburg spreads along the banks of the Danube. Once the Bavarian capital, Regensburg offers the remnants of 2000 years of cultural history. It was founded by the Romans in the second century AD and became a very wealthy merchant city in the Middle Ages. It served as the seat of the Imperial Diet of the Holy Roman Empire of the German Nation for almost three centuries until the empire was dissolved in the defeat of the Napoleonic war in 1806. It is one of the most captivating cities in Germany. The richness of history and the artistic wealth of the city have had a conspicuous influence on daily life. Fortunately escaping destruction in World War II, it remains today a magical blend of the old and the new. The first stone bridge to span the Danube, the 'Steinerne Brücke', as well as the cathedral still retain their original character in perfect intactness. Today Regensburg is said to be the most beautiful medieval city in Germany and has one of the highest productivity rates in all of Germany. Munich is easily reachable by train in about one hour.

Founded in 1962 as the fourth fully-fledged Bavarian university, University Regensburg comprises 12 faculties, providing a full range of academic subjects. In 1989 the university established a new course of studies: biochemistry. In 1994, business informatics (Wirtschaftsinformatik) was added together with an attached non-profit Institute of Banking Informatics. Training in electronic data processing, foreign languages, rhetoric and presentational skills is offered to students of all faculties to further prepare them for the modern working world. At present, about 16,000 students are enrolled at University Regensburg. The campus atmosphere and the short distances between buildings are conducive to a more efficient way of studying. The university library holds more than three million volumes. The university's attractiveness is also due in part to the charms of the historical city and the beautiful surrounding landscape. Leisure activities include a multitude of cultural activities on campus. There are, for instance, 11 student theatre groups performing regularly, thus benefiting from the fact that University Regensburg is one of only two within Germany to have its own theatre. Faculties include Catholic Theology, Law, Business, Economics and Management Information Systems, Medicine, Humanities I (Philosophy, Fine Arts, Physical Education), Humanities II (Psychology and Education), Humanities III (History, Social Sciences and Geography), Humanities IV (Languages, Literature and Linguistics), Mathematics, Physics, Biology and Pre-Clinical Medicine, Chemistry and Pharmacy.

Saarbrücken

Saarbrücken is the capital of the Saarland, a state located on Germany's border with France and Luxemburg. Indeed, on two recent occasions, in the 1930s and the 1950s, the Saarland held plebiscites on its preferred location in France or Germany. Many of the inhabitants are bilingual, and Saarbrücken prides itself on being one of Europe's 'crossroads'. It is possible to reach most of Europe easily from here. Trier and Luxemburg are to the north, Metz to the west and Frankfurt to the east. Once a coal-mining area, today Saarbrücken is among the leading centres for the study of artificial intelligence, and it hosts a considerable number of enterprises in the field of advanced technology. It is the base of the glass and ceramics giant Villeroy Bosch.

The university was founded in 1948 with French assistance. The special situation of the Saarland at that time (its partial political autonomy and its close association with France as a result of economic and monetary union) strongly influenced the early years of the university's development. The special relationship with France remains a special feature of Universität des Saarlands' character. A comprehensive system of reciprocal recognition creates the opportunity to study simultaneously for degrees in both countries. In the departments of German and Romance Languages and Literature, besides gaining German degrees, students can study for the French Licence and Maîtrise d'Allemand or Licence de Lettres Modernes. Similar objectives are found in the program of Cross-Border Franco-German Studies, which is conducted in collaboration with the Université de Metz. The field of information and computer science in Saarbrücken enjoys a worldwide reputation. Currently Universität des Saarlands has some 17,000 students, with 290 professors and 800 other full-time academic staff. The university's faculties include Law, Economics, Information Technology (legal and business IT), Medicine and Humanities.

Tübingen

This tranquil, picturesque university town, just 35km south of Stuttgart, is a place to wander winding laneways, past half-timbered houses and old stone walls. The university is more than 500 years old and has always played as much of a role in characterising the city's outward appearance as it has in weaving its inner social fabric and its economic structure. Today's students are the proud custodians of a rigorous liberal intellectual tradition, and can be seen in every café plotting earnestly to save the world. With an overall population of 85,000 and a presence of some 26,000 students, Tübingen has the largest 'student density' of all German university towns. It is not only an intellectual city where major contributions to European intellectual history were written, but also a very romantic town.

In 1477, Eberhard im Bart, Count and later Duke of Württemberg, established the founding tenets of University Tübingen, which the institution has followed to this day. Today, the university's character is marked by an awareness of tradition and a cosmopolitan atmosphere. The university's academic reputation is determined by the research achievements of more than 700 professors and about 2000 other full-time academic staff. The tradition of the old universitas scientiarum, encompassing a wide variety of fields from theology, jurisprudence and philosophy to economics, the social sciences, languages and cultural studies and to medicine, mathematics and the natural sciences, is conducive to an effective interdisciplinary cooperation between these

fields. The University's faculties include Protestant Theology, Catholic Theology, Law, Economics and Business Administration, Medicine, Philosophy, Social and Behavioural Sciences, Modern Languages, History, Cultural Sciences, Mathematics, Physics, Chemistry and Pharmacy, Biology, Geosciences and Informatics.

Completion requirements

976001	Foundations in International Studies	8cp
976421	Contemporary Germany	8cp
977420	In-country Study 1: Germany	24cp
978420	In-country Study 2: Germany	24cp
CBK90485	German Language and Culture	32cp
		Total 96cp

MAJ08923 Italy

Italy (population 60 million) is a country of south-central Europe, occupying a peninsula that cuts deep into the Mediterranean Sea. The mountainous landscape had a profound impact on the country's political and economic development, fostering throughout history the creation of many independent states. Italy's history as an independent, democratic state is relatively recent, dating back to 1946. Since World War II, increasing numbers of Italians have moved from the countryside to the rapidly industrialising cities, thus generating significant and often abrupt transformations of traditional ways of life. Italy is often dubbed the world's 'living art gallery', where history and culture surround you on every step. At the same time the countryside preserves most of its poetic beauty and agriculture still plays a substantial role in the overall economy.

Students spend two consecutive semesters studying language and culture at a university in Italy through arrangements made by the Institute for International Studies. Students are assessed on each semester separately and assessment is based on the subjects undertaken at the host institutions, as well as project and essay work administered by UTS: International Studies.

Students may expect that slightly greater costs will be incurred through undertaking a period of In-country Study in Italy than are involved in living away from home in Sydney and that these costs vary from location to location and fluctuate with exchange rates.

Locations

The Italy major has provision for both beginners and those who have previously studied Italian. The choice of location depends primarily on the level of Italian language proficiency attained by each student prior to their period of In-country Study.

Bergamo

Bergamo (population 140,000) is situated in central Lombardy, 50 km east of Milan, at the foot of the Alps. *Città alta*, the old part of the town, built inside the 16th-century Venetian walls, is rich in historical and artistic sites, while *città bassa*, the lower part of the town, is built on the edge of the Po Valley. The province of Bergamo is one of the richest in Italy. Relatively modern, Bergamo *bassa* is connected by a funicular railway to spectacular and historic Bergamo *alta*, 400 m above the plain. Bergamo *alta* is the main attraction for tourists and a weekend destination for the Milanese. Local particularities include a complex dialect, now spoken mainly by older natives of the town.

Università degli studi di Bergamo has been a state university since November 1992. Before then it was the Istituto Universitario di Bergamo, set up in 1968. It is a relatively small university with about 7,000 students and 147 teaching staff. It has three faculties: Foreign Languages and Literatures, Economics and Business Administration, and Engineering. Two courses of particular interest for International Studies' students are History of the Italian Language and Italian Literature.

www.unibg.it

Bologna

Bologna (population 380,000) is one of the most vibrant Italian cities. Nestled at the centre of the rich and lively Emilia-Romagna region, Bologna boasts splendid monuments, a lifestyle well above the Italian average and a huge offering in terms of culture, sport and entertainment. The students in the city provide a dynamic atmosphere that is missing in smaller Emilian cities. Originating as an Etruscan town in the 6th century BC, Bologna became a European intellectual centre with the founding of its University in 1088. The historical centre is one of the best preserved in Italy, with churches and palaces dating back to the Renaissance, the Baroque and the 18th and 19th centuries. Bologna is also a very important industrial centre. The climate can be very cold in the winter. Bologna is also close to the Riviera Adriatica, with seaside resorts attracting numerous tourists in the summer months.

Università degli studi di Bologna, founded in 1088, is one of the oldest universities in the world. With around 80,000 students, it is also one of the biggest in the country. Among its teaching staff are world-famous public figures such as Romano Prodi and Umberto Eco. The faculties are Agriculture, Cultural and Conservation Studies, Economics, Education, Engineering, Foreign Languages and Literature, Industrial Chemistry, Law, Literature and Philosophy, Mathematical, Physical and Natural Sciences, Medicine and Surgery, Pharmacy, Political Science, Psychology, Statistics and Veterinary Science. Of particular interest are the courses offered by Discipline delle Arti, della Musica e dello Spettacolo (DAMS) (Performing Arts, Music and Mass Communications), as well as the Faculty of Law, the oldest in the world.

www.unibo.it

Catania

Catania (population 376,000) is the second largest city in Sicily, situated between the slopes of Mount Etna and the Ionian Sea. The history of the city has been conditioned by a succession of foreign dominations and the unpredictability of Etna. Catania was repeatedly destroyed over the centuries by eruptions and earthquakes, the most devastating taking place in 1693. In recent years Catania has seen a growth of tourism, due to its elegant architecture and a magnificent coastline. Locals are always proud to describe their city as a 'city in black and white', due to the prevalent building technique of combining local lava stone with the white stone from Siracusa.

The University has about 55,000 students, 1,500 academic staff and 1,500 administrative staff. It is the oldest University in Sicily, founded in 1434. The old University building, in which are the administrative offices, is located in the centre of the town. The faculties at Università degli studi di Catania are Law, Political Science, Economics, Medicine, Arts and Philosophy, Mathematical, Physical and Natural Sciences, Pharmacy, Engineering, Agriculture and Education. Of particular interest is the Faculty of Arts, with its long tradition of excellence in teaching and research.

www.unict.it

Genoa

Genoa (population 706,000) is a major Mediterranean seaport in north-western Italy. It is the capital of the Liguria region and the centre of the Italian Riviera. Once a powerful maritime republic and the birthplace of Christopher Columbus, the city is known as La Superba ('proud', 'vain'). Despite the more recent economic decline, Genoa has a grand cultural heritage. Its streets are filled with medieval cathedrals, glorious palaces and Renaissance fountains. It is a wonderfully eclectic city, dominated by an always busy port and the narrow alleyways of the medieval centre. In addition to being a city rich with art treasures, Genoa is attractive for the nearby beach resorts of the Ligurian coastline.

Università degli studi di Genova is a large university with 40,000 students, 1,800 teaching and research staff and about 1,580 administrative staff. It has 12 faculties (including Architecture, Business, Education, Law, Modern Languages, Political Science and Arts) and a number of regional campuses (Imperia, Savona, Santa Margherita Ligure, Ventimiglia, La Spezia and Acqui Terme). The Faculty of Business has a very high standing in the Italian academia, reinforcing Genoa's long-standing tradition in the field of international commerce. Special emphasis is placed on international and maritime subjects, in line with Genoa's tradition as a maritime republic.

www.unige.it

Lecce

Lecce (population 100,000) lies in the southern tip of the heel of Italy in the Puglia region. It has a population of around 100,000 and is home to some beautiful examples of baroque architecture. Many of its buildings are built of the characteristic pietra leccese, a light yellow, easily worked limestone. The region is well known for its clear waters, unspoilt beaches and landscapes and its abundant olive groves. The city's classical remains include an underground burial chamber from the 4th century BC and a Roman amphitheatre. Lecce is also a lively city with elegant shops and a busy nightlife.

Università degli studi di Lecce was founded in 1960. It has more than 25,000 students and eight faculties (Mathematical, Physical and Natural Sciences, Economics, Engineering, Education, Foreign Languages and Literatures, Arts, Conservation of Cultural Heritage and Law). Of special note is the Language Centre and the program of Australian studies. Also, for the artistically minded, there are interesting courses offered by the Faculty of Conservation of Cultural Heritage.

www.unisalento.it

Milan

Milan (population 1.6 million) is the capital of Lombardy, the richest, most industrialised and populous northern region of Italy and arguably the most important commercial and design centre in Europe. Milan carries both the advantages and the disadvantages associated with living in a big city, but the advantages outweigh the potential drawbacks by far. The rich cultural life in Milan offers valuable experiences to students interested in art, film and theatre. As a major European rail hub and a city serviced by two international airports (Linate and Malpensa), Milan provides for easy travelling both within Italy and internationally. Public transport is also excellent.

The Catholic University of the Sacred Heart is the largest private university in Italy, with approximately 35,000 students and 11 faculties (including Business, Law, Arts, Languages, Education and Political Sciences), some of which are located in the nearby cities of Brescia and Piacenza.

www.unicatt.it

The Politecnico, founded in 1863, is a state university with about 39,000 students and only two faculties (Engineering and Architecture). In addition to Milano itself, the Politecnico has campuses in Mantova, Cremona, Piacenza, Lecco, Bovisa and Como. Of special interest to International Studies students are the courses in Industrial Design (product design, communication design, interior design and fashion design) offered at the Bovisa and Como campuses.

www.polimi.it

Libera Università di Lingue e Comunicazione IULM is a relatively small university (7127 students in 2000-2001), founded in 1968 as an Institute for Modern Languages, with the main campus in Milano itself and a regional branch in Feltre (Veneto region). It assumed the status of an autonomous university and its present name in 1998. IULM has two faculties (Foreign Languages and Literatures, and Communication and Entertainment) offering degree courses in translation and interpreting, public relations, sciences and technologies of communication and tourism. It has a modern campus on the city railway line, with facilities which include a Language Centre and a multimedia lecture theatre.

www.iulm.it

Modena

Dating back to the Roman times, Modena (population 180,000) became a free city in the 12th century. Modena was home to Italy's favourite tenor, the late Luciano Pavarotti and car manufacturers such as Ferrari, who test the Formula 1 cars on the racetrack at nearby Florino. Although only 40 km away from Bologna, Modena has a character of its own. The old city's fortified walls, now converted to promenades, give it a pentagonal shape. Notable buildings include the cathedral (begun in 1099), the bell tower (completed in 1319) and the imposing ducal palace (begun in 1634), now a military academy. The Palazzo dei Musei houses the municipal collections, including the Este Gallery and Museum, rich in Renaissance paintings, and the Este Library, noted for its collection of illuminated manuscripts.

Università degli studi di Modena e Reggio Emilia was founded in the first half of the 12th century, after the death of Countess Matilde of Canossa in 1115. Nowadays it has 15,000 students, nine faculties (Law, Arts, Conservation of Cultural Heritage, Medicine and Surgery, Mathematical, Physical and Natural Sciences, Agriculture, Pharmacy, Economics, Business and Administration, and Engineering) and two campuses (Modena and Reggio Emilia). Of particular interest is the area of cultural studies, offered through the Faculty of Arts, which includes courses in cultural anthropology, comparative social systems, history of philosophy, etc.

www.unimo.it

Trieste

Università degli studi di Trieste (population 238,000) is an important port in the Adriatic, capital of the province of the same name. It preserves interesting Roman, Medieval and neo-classic monuments and it is an important centre for artistic, historical and scientific collections. Once the chief port of the Habsburg empire, Trieste is nowadays an important 'gateway to the East', a truly multicultural, vibrant city with a commitment to developing its tertiary and scientific sectors.

Università degli studi di Trieste is a medium-sized university with 25,000 students and 12 faculties spread over three campuses in Trieste, Gorizia and Pordenone. The University is very highly regarded in the scientific and diplomatic studies areas. It also hosts the foremost translation and interpreting school in Europe.

www.univ.trieste.it

Completion requirements

976001	Foundations in International Studies	8cp
976431	Contemporary Italy	8cp
977430	In-country Study 1: Italy	24cp
978430	In-country Study 2: Italy	24cp
CBK90486	Italian Language and Culture	32cp
		Total 96cp

MAJ08924 Japan

Japan is Australia's single most important trade partner and a major economic power in the Asia-Pacific region. The study of Japan's economy, culture, history and international relations offers an advantage to students pursuing careers in the international business arena. Students interested in modern Japanese culture may also find much to attract and stimulate them creatively.

Through arrangements made by UTS: International Studies, students spend two consecutive semesters studying at one of the following universities:

- Gifu University, Gifu
- Hokkaido University of Education, Hakodate Campus
- Kagoshima University, Kagoshima
- Kyoto University of Foreign Studies, Kyoto
- Kyushu Institute of Technology, Kitakyushu
- Nishogakusha University, Kashiwa, Chiba
- Obirin University, Machida, Tokyo
- Okinawa University, Naha
- Osaka Prefecture University, Osaka
- Sapporo University, Sapporo
- Tokyo Institute of Technology, O-okayama, Tokyo
- Yamanashi University, Kofu
- Yokohama National University, Yokohama.

The location and content of each student's period of In-country Study are determined by the student's level of language competence in Japanese. Students who have near native competency in Japanese prior to undertaking their period of In-country Study are able to attend classes alongside local students in a broad range of subjects. All other students study mostly language and culture subjects, at least in their first semester. Many students take one or two local subjects taught in Japanese as non credit-earning (audit) students.

Students should be aware that the cost of living in Japan is high, but it is possible to do part-time work on a student visa in Japan and some of the Japan In-country Study sites are cheaper than others due to subsidised dormitory accommodation.

Locations

Gifu

The city of Gifu (pop. 410,000) is located north of Nagoya. The cormorant fishing on the Nagara River that flows through Gifu has a history of 1,200 years and attracts many tourists. The major attractions of the mountainous Gifu prefecture lie to the north in the Hida district, which is part of the Japanese Alps famous for their beauty and skiing in winter. The inhabitants of Takayama, the administrative centre of Hida, have long been known for their woodworking skills, and Hida carpenters were in demand to construct imperial palaces and temples in the Kyoto and Nara regions. The tradition continues to this day with the production of furniture and woodcarvings.

Gifu University is a national university founded in 1949. It has five faculties: Agriculture, Education, Engineering, Medicine and Regional Studies. Gifu University has about 6,000 undergraduate and 1,200 postgraduate students. Most UTS students take the Japanese language and culture subjects which are run by the International Students Centre. The Centre offers an intensive Japanese language course that UTS students are encouraged to join, at least for their first semester. The University is on the outskirts of the small city of Gifu so has a relaxed atmosphere, but is only about an hour's travelling time away from the bustling metropolis of Nagoya. There is a handful of other students from English language backgrounds at Gifu University, but it is still a good environment for learning to live in the Japanese language.

Hakodate

Hokkaido is the northern-most and second largest of Japan's four main islands. Hakodate is a port city with a small population and a relaxed atmosphere.

Hokkaido University of Education, Hakodate, is a national university founded in 1876. Its academic strength lies in the area of education. The University has about 6,000 undergraduate students spread over five campuses, each located in a principal city of Hokkaido:

Sapporo, Hakodate, Asahikawa, Kushiro and Iwamizawa. It has five undergraduate programs: Elementary School Teachers, Junior High School Teachers, Kindergarten Teachers, Children with Intellectual Disabilities, and Integrated Arts and Sciences at Hakodate College. The University hosts only a small number of overseas students each year, the majority of whom are from non-English-speaking countries. Japanese language classes are organised to suit the level of students. In-country Study students live in the university dormitory located a short bike ride from the campus. The University is best suited to students in the Faculties of Education, Humanities and Social Sciences, and Business.

Kagoshima

Known to the Japanese as the Naples of Japan, Kagoshima (pop. 536,000) is the southern-most major city in Kyushu. It is a sunny and relaxed place with a long hot, humid summer and a short winter. Overlooking the city across Kinko Bay is the famous volcano, Mt Sakurajima. The Kagoshima region, known as Satsuma, was always receptive to outside contact and for many years was an important centre for trade with China. St Francis Xavier first arrived here in 1549, making Kagoshima one of Japan's earliest contact points with the West. The city's University serves as a focus for cultural life in southern Kyushu, famous for its hotsprings.

Kagoshima University is a national university founded in 1949. It has nine faculties: Agriculture, Dentistry, Education, Engineering, Fisheries, Law and Letters, Medicine, Science, and Allied Medical Sciences. Student numbers are about 10,000 for undergraduate programs and 1,200 for postgraduate programs. The campus is located in the centre of Kagoshima City. Most UTS students study language and culture in the International Students Centre. UTS students are also part of professors' research groups in either the Faculty of Engineering or the Faculty of Education. There is an intensive language course available for students at Kagoshima, but UTS students are not obliged to take it and they may take a lighter class load if they choose. Most of the international students at Kagoshima University are from China, Korea, South America and South East Asia, with small numbers of students from every other region in the world as well, including a couple of other English language background students from the USA and Australia.

Kashiwa, Chiba

Nishogakusha University is in Kashiwa City in Chiba prefecture.

Kashiwa is located one hour by train from central Tokyo. Kashiwa City has drawn attention as one of the ideal residential suburbs of Tokyo, and has seen rapid growth. The professional soccer team, Kashiwa Reysol, is based locally and residents enjoy cheering the team on.

Nishogakusha University had its beginnings in Kangaku Juku, a private school for the study of Chinese classics founded in 1877. The famous author Natsume Soseki studied there in preparation for university. The University continues to teach Chinese classics as well as other East Asian literature through its Faculty of Literature. The University has a second faculty, the Faculty of International Politics and Economics. In 2004, a second campus at Kudan was opened in Chiyoda-ku, Tokyo. It is quite a small university of about 3,000 students. There are many international students from China and Korea, but UTS students are the only students from an English-speaking background at the University. In-country Study students at Nishogakusha University join an intensive Japanese language program with very small classes, so it is an ideal environment for students really wanting to concentrate on improving their Japanese language skills.

Kitakyushu

Kyushu Institute of Technology (KIT) is located at Kitakyushu-city in the northern part of the island of Kyushu (pop. 1 million). Historically, this area has played a major role as a gateway to the Asian continent. Kitakyushu-city has developed into an important industrial area for southern Japan. Kyushu Institute of Technology is a prestigious technology university, so many of the Japanese students are very studious and interested in science. There is a reasonable-sized international student population, mostly made up of Chinese and Korean full degree students. There are not many short-term exchange students, and UTS students are the only students from an English-speaking background. This means there is not a large program of Japanese language classes, but the environment is ideal for learning to live in the Japanese language. UTS students are allocated to research groups attached to a professor. Because UTS students are not expected to spend as much time in class as at other In-country Study sites, KIT is an ideal location for students who are self-motivated in their studies and are keen to learn about Japanese society outside the classroom.

Kyoto

Kyoto (pop. 1.4 million) was historically the cultural and political centre of Japan and its capital from 794-1868. Kyoto is rich in historical sites and for that reason it attracts many foreigners. Kyoto is renowned for its fine textiles and traditional products and is also a thriving centre of high-tech industry. Possessing a wealth of historic sites and cultural treasures, and bounded on three sides by mountains, Kyoto is a living museum.

Kyoto University of Foreign Studies (KUFS) is one of the oldest private universities for foreign studies in Japan and is located in the western part of Kyoto. It is small, with about 3,500 undergraduate and 50 postgraduate students learning various languages and cultures. To facilitate their foreign language studies, KUFS has exchange relationships with universities around the world, so there is a large diverse international student population and an active social life in which In-country Study students can participate. Instead of joining a professor's research group, there is a set program of language and culture study for exchange students. UTS students are obliged to join this course, even though they also have to do In-country Study assignments, so the workload at this university is higher than for other In-country Study sites.

Machida, Tokyo

Obirin University is located in Machida, a city of 400,000 in the south-western suburbs of Tokyo. It is one of Tokyo's residential cities. Machida is approximately 35 minutes from central Tokyo by train, so it is a convenient base from which to explore Tokyo's museums and other recreational facilities.

Obirin is a private university founded in 1946. A Christian Congregation University, it is very internationalised, with over 5,000 undergraduate and about 150 postgraduate students. Obirin hosts non-matriculating international students from English-speaking countries on 10-month 'Reconnaissance Japan' programs. It has four faculties: Economics, International Studies, Literature, and Business and Public Administration. Obirin specialises in English language education and has exchange students from the USA and the UK as well as Australia. Respected historian Professor Bruce Batten is the academic advisor for international students, and Obirin also has a strong record in fine arts and performing arts. The University sometimes hosts artists-in-residence for short periods, which is a great resource for students interested in the arts.

Naha

Naha is the capital of Okinawa prefecture, at the southern end of Japan. The only region which has a sub-tropical climate in Japan, it offers a warmer climate with the average temperature of approximately 23 degrees. Okinawa's distinct culture and island environment means it is a popular tourist destination.

Okinawa University's basic concept is 'an open university that is community oriented, learns from the community, and keeps close a relationship with the community'. Okinawa University is a small private university with two faculties: the Faculty of Law and Economics and the Faculty of Humanities. UTS students usually take the intensive Japanese language program for international students. UTS students are the only students at Okinawa University from an English language background, although there are many students from China and Korea as well as the local students.

O-okayama, Tokyo

The Tokyo-Yokohama district is the key region in Japan's leading commercial and industrial area. Tokyo prefecture comprises 23 wards of urban Tokyo, 27 cities and four islands with over 11 million people. Tokyo is such a huge, sprawling city that one could spend a lifetime exploring it and still make new discoveries every day. O-okayama is in central Tokyo, so UTS students at this site can experience the full Tokyo lifestyle, crowded trains and all.

Tokyo Institute of Technology (Tokyo Tech) is perhaps the most prestigious technology-oriented university in Japan. The Japanese student population tends to be very studious, and there is a large and varied international student population. Tokyo Tech receives UTS In-country Study students as fourth-year students, who in Japan have to write a small thesis, therefore placing them into research groups under professors. Most In-country Study students will study only language and culture subjects, but in order to join a research group of people with similar interests, it is important for students to choose their professor carefully. There are many research groups working in engineering, science and information technology. There is also a well known sociologist, Professor Daisaburo Hashizume, who can take In-country Study students from Humanities and Social Sciences or Business. Design students may find a professor in the Architecture Department.

Osaka

Sakai City (pop. 800,000) is in Osaka prefecture. The University is in the south of Osaka. Osaka is Japan's third biggest city, the business centre of southern Japan. Sakai's history is traced well back to the 4th century and there are many historical and cultural sites, such as Emperor Nintoku's Mausoleum.

Osaka Prefecture University is a public prefectural university founded in 1949. It has five faculties: Engineering, Agriculture, Economics, Integrated Arts and Sciences, and Social Welfare. UTS currently has exchange agreements with the Faculty of Engineering. The University has about 5,000 undergraduate and 1,200 postgraduate students. There is not a large program for international students, so this site is only suitable for UTS students with a very high level of Japanese language competency.

Sapporo

Sapporo boasts of dynamic cultural institutions and annually hosts a unique range of events, among them the Pacific Music Festival (PMF). The PMF adds to Sapporo's legacy of prominent activities that includes the 1972 Winter Olympic Games, Asian Games, Winter Universiade and Sapporo Snow Festival.

Sapporo University is a private university founded in 1967 with a humanities and business focus. It has about 6,000 undergraduate and 60 international students. There is a great variety of extracurricular activities, with over 60 cultural and sporting clubs. The University is located in Nishioka, the southern part of Sapporo. It is situated in a quiet residential area about 30 minutes from the centre of Sapporor and is not far from Hitsuijigaoka observation spot, one of Sapporo's main attractions. The Japanese language classes are organised to suit the level of the UTS students. Sapporo University is suitable for students in the humanities, education and business.

Yamanashi

Yamanashi prefecture, located in the Chubu region of Japan, is an inland prefecture rimmed by steep mountains on all sides. Surrounded by scenic beauty to the south, Mt Fuji rises 3,776 metres above sea level. Being only 120 km from the Tokyo area, the prefecture has been able to prosper culturally for many years. Yamanashi has much allure, with abundant greenery, crystal clear air and water, some of the freshest fruit and best national parks, including the Fuji Hakone Izu National Park. Kofu City, with about 200,000 inhabitants, can be reached within an hour-and-a-half from Tokyo by express train.

Yamanashi University is a national university founded in 1949. It is a small public university with just three faculties: Medicine, Education and Human Sciences and Engineering, and about 3,500 undergraduate and 500 postgraduate students. The University has around 150 international students, the majority of whom are from China or Korea. The University is located within walking distance of Kofu Railway Station. There is a small dormitory specifically for overseas students close to the University. UTS students attend language and culture classes run by the International Students Centre. Yamanashi University is a suitable site for students from nursing, engineering, education and business.

Yokohama

The Tokyo-Yokohama district is the key region in Japan's leading commercial and industrial area. Yokohama (pop. 3 million) was little more than mudflats 150 years ago, but with the end of Japan's long isolation from much of the rest of the world, the city was the closest port to Tokyo open to foreign traders. Yokohama's attractions can be summed up in the harbour and a lively Chinatown. Yokohama Bay Bridge has a walkway on the bridge, Sky Walk, that leads to a viewing area out over the bay. The high-tech industries and research laboratories that back up the Tokyo area are gathered in Yokohama district.

Yokohama National University (YNU), established in 1949 as a national university, has four faculties and two graduate schools with a combined student population of about 10,000. YNU has a large, diverse international student population and a well established system for managing them. In-country Study students do not go into professors' research groups but into the JOY Program, with language classes, humanities and social science classes, and business classes specifically tailored for short-term exchange students. Students with a high level of Japanese may also take classes with Japanese students outside the JOY Program, for example, in YNU's excellent Architecture Department.

Completion requirements

976001	Foundations in International Studies	8cp
976211	Contemporary Japan	8cp
977210	In-country Study 1: Japan	24cp
978210	In-country Study 2: Japan	24cp
CBK90481	Japanese Language and Culture	32cp
		Total 96cp

MAJ08926 Mexico

Mexico is a large, rapidly developing country with a fascinating history and tremendous regional variety of geography and culture. Pre-colonial civilisations, conquest, Spanish settlement and popular revolution have all left a big mark on contemporary society. Indian and mestizo populations retain strong native traditions. Mexico has outstanding architecture, art and design, cuisine and popular music. Being located between the United States and Latin America also gives the country special characteristics and helps to shape national consciousness. The migration of Mexican workers, the establishment of border industries, and the NAFTA trade agreement testify to Mexico's close and often difficult relationship with the United States and with the processes of globalisation. The country has recently made an historic transition to genuine multi-party democracy.

Students spend two consecutive semesters studying social science or culture and humanities subjects at an institution of higher education in Mexico through arrangements made by UTS: International Studies. The focus of study varies in each semester depending on individual student preferences and the availability of subjects at host institutions. Students are assessed on each semester separately and assessment is based on the subjects undertaken at the host institutions, as well as project work administered by UTS: International Studies.

Students may expect that no greater costs will be incurred through undertaking a period of in-country study in Mexico than are involved in living away from home in Sydney.

Locations

Mexico City, Mexico

The Universidad Nacional Autónoma de México (UNAM) was founded in 1910 and has approximately 275,000 students. It is public, secular and pluralist. It is Mexico's premiere university and is ranked the No. 1 university in the Spanish-speaking world. It was created in the wake of the Mexican Revolution as the jewel in its crown and was intended to extend higher education to a greater proportion of Mexicans. It currently houses 70 per cent of all research academics in the country. Its main campus is located in the south of the city in Ciudad Universitaria (University City), which was declared a UNESCO World Heritage Site in 2007. It boasts murals by some of Mexico's most famous artists. There are undergraduate and postgraduate degree courses in the faculties of Architecture, Economics, Law, Engineering, Philosophy and Letters, Accounting and Administration, Science, Political and Social Sciences, Medicine, Odontology, Psychology, Chemistry, Veterinary Science, Zoology, as well as schools of art, music, nursing and obstetrics, music, and social work. The university has a lively cultural and sporting life including its own national football team. The Centro de Estudios para Extranjeros (CEPE — Centre for Foreign Students) provides professional Spanish language and culture support classes for visiting students.

www.unam.mx

Xalapa, Veracruz

Xalapa (population 400,000) is a small city which has conserved much of the charm and character of provincial Mexico. It is nestled in green misty hills and has many squares and gardens. The city and surrounding pueblos remain unspoilt by tourism yet are fascinating places to visit for anyone interested in archaeology, Mexican history, the arts and indigenous cultures. Xalapa is also within easy reach of Mexico City by a good road. Xalapa is the administrative capital of the state of Veracruz, and most industry and commerce is located 130km east around the historic port of Veracruz. Between Veracruz and Xalapa lie sub-tropical lowlands where fruits, herbs, chillies and flowers are grown. Coffee is the main crop in the hills. All these local products are sold in Xalapa's traditional marketplaces. Xalapa is known for its exceptionally active and varied cultural life.

The Universidad Veracruzana was founded in 1944 and has approximately 60,000 students. There are over 30 undergraduate degree courses in the faculties of Medicine, Business and Economics, Art, Humanities, Veterinary and Agricultural Science, and Engineering. The anthropology and history faculties specialise in the study of provincial history and indigenous languages. Several faculties are

dispersed around the city. The main campus is located below the city centre in pleasant parkland with lakes and an historic sports stadium built in the Grecian style in the 1920s. The university's school for foreign students (EEE) provides educational programs exclusively for foreign students.

This site is available to exchange students providing they have university-level Spanish.

www.uv.mx/eee

Guadalajara, Jalisco

Guadalajara, Mexico's pearl of the west, is incredibly diverse and stately with amazing qualities, both modern and historic, that embrace all who visit. It is considered the most Mexican of Mexico's big cities. As the second largest city in Mexico, Guadalajara is a busy metropolis and a major Mexican business centre. Although this city moves at a busy pace, things here have a way of seeming to always remain serene. Guadalajara is a city of monuments, parks and flowers, fountains and tree-lined avenues, whose history dates to the 16th century. The Guadalajara area is known as the birthplace of the world famous Mariachi bands, the home of the Mexican hat dance and tequila. Guadalajara's month-long October festival attracts visitors from all over the world and performers from all over Mexico for a wide variety of music, cultural and artistic events and crafts exhibits.

Presently, students can choose to study at the Universidad de Guadalajara (UdeG) (providing they have a minimum of Level 6 Spanish) or the Guadalajara campus of the Tec de Monterrey. Subjects offered to UTS students at the Universidad de Guadalajara are within the Centre for Humanities and Social Sciences (Centro Universitario de Ciencias Sociales y Humanidades (CUCSH):

www.cucsh.udg.mx

CUCSH is sub-divided into Cultural Studies, Studies in State and Society, Political and Social Studies, History and Humanities, and Juridical Studies. Students can take classes in law, literature, philosophy, psychology, sociology, geography, journalism, etc. Students who wish to do in-country study at the Universidad de Guadalajara must have Level 6 Spanish competence. This site is available to UTS exchange students in general providing they have university-level Spanish.

www.udg.mx

At the Tec de Monterrey campus in Guadalajara, students have access to the same range of subjects as other Tec students, including engineering, architecture and design, communication studies, literature and culture.

This site is also available to UTS exchange students in general who have university-level Spanish. There are, however, a limited number of subjects available in English (culture and business).

www.gda.itesm.mx

Monterrey, Nuevo León

Called the City of the Mountains, Monterrey is the capital of the state of Nuevo León, which is situated in the north-east corner of the country and borders on Texas. Monterrey rests in a valley surrounded by the jagged Sierra Madre mountain range. The downtown area features magnificent plazas and gardens. Even with its large population of five million, Monterrey is one of the safest cities in Mexico. Monterrey's population is considered the most educated in Mexico and the city on a per capita basis has more colleges, universities and institutes of technology than any other Mexican city. Quality restaurants, modern shopping malls, numerous museums and cultural attractions abound here. Some of Mexico's best hiking, mountain biking, cave exploring and nature areas are located within close proximity to the city.

Founded in 1947, El Instituto Tecnológico y de Estudios Superiores de Monterrey (ITSEM), commonly known as 'El Tec', is regarded as Mexico's most modern and technologically advanced university. Regular classes may be attended in the following study areas: agriculture, behavioral science, engineering, communications, computer science, economics, humanities, law, international business, and natural resources.

This site is available to UTS exchange students in general and has a wide range of subjects in English.

www.mty.itesm.mx

Cholula, Puebla

The university is located in the municipality of San Andrés Cholula, five minutes from the city of Puebla and 120 kilometers from Mexico City. Puebla is 2100 meters above sea level and is the state capital. It was founded in 1531 by Don Juan Salmeron and Fray Toribio de Benavente, better known as Motolinía. Puebla is renowned for its distinctive colonial architecture, savoury cuisine, Talavera ceramics, onyx crafts and textile industry. The indigenous language of the region, Náhuatl, is still spoken in some rural areas of the Puebla Valley. Mexican troops defeated French invaders here on 5 May 1862 giving birth to the modern-day 'Cinco de Mayo' celebrations. Puebla is one of Mexico's richest cities in terms of colonial art and has been recognised by UNESCO as a World Heritage Site. Cholula, the oldest city on the continent, has an excellent archaeological site that was an important religious center of diverse cultures during pre-Hispanic times. The most common landmark is the massive Pyramid of Tepanapa, on top of which the Spaniards built a Catholic Church.

The Universidad de las Américas (UDLA) is one of Mexico's finest with a campus laid out like a small town and a student population of 8500, making it a favourite of foreign students. The UDLA was originally founded in Mexico City in 1940 under the name of Mexico City College before moving to Puebla in 1968 and taking the name of Universidad de las Américas. Students who go to UDLA go under a UDLA-UTS exchange program and can take a range of subjects, from engineering and business administration to humanities and social sciences, including archeology, literature, communication, film and dance. Through the Centro de Lengua y Cultura, students can also apply to do summer internships (fees apply) or community service in local non-profit organisations. Spanish language and culture classes are also provided by UDLA for foreign students.

This site is available to UTS exchange students in general and has a wide range of subjects in English.

www.udlap.mx

Completion requirements

976001	Foundations in International Studies	8cp
976502	Contemporary Latin(o) Americas	8cp
977530	In-country Study 1: Mexico	24cp
978530	In-country Study 2: Mexico	24cp
CBK90484	Spanish Language and Culture	32cp
		Total 96cp

MAJ08927 Spain

Spain occupies the south-western tip of Europe, along with Portugal. This location has made Spain an important historical, religious, cultural and linguistic contact zone where Europe and Africa have met and coexisted, often uneasily. The centre of a vast international empire from 1492 to 1898, in the 20th century Spain, was ruled by General Franco in one of Europe's longest-running fascist dictatorships (1937-1975). Since 1975 and the restitution of a parliament-based constitutional monarchy, one that also permits significant regional autonomies, the Spanish people have enjoyed high standards of living and a climate of cultural liberalisation. Since the 1970s Spain has also been a key player in drives towards European union, and since the early 1990s has become an important receiver country of immigrants from Africa, Asia and Latin America, with Ecuadorians and Moroccans forming the two largest minorities. With a population of 45 million, Spain is one of the world's top tourist destinations, attracting more than 45 million visitors annually. While Castellano (Spanish; Castilian) is the official state language, other resilient regional languages (Basque, Catalan, Galician) reflect contemporary Spain's profound cultural heterogeneity.

Students in the Spain major have the opportunity to learn Castilian, to learn about Spain and Spain's place in European and international affairs, and to spend an academic year of study at universities in Barcelona, Granada, Logroño, Madrid, Málaga, Pamplona, Salamanca and Santander. The UTS Language and Culture program accepts students with varying degrees of language ability, ranging from complete beginners to native speakers.

Students spend two consecutive semesters studying language and culture at one of the following universities through arrangements made by UTS: International Studies:

- Universitat Autònoma de Barcelona, Barcelona
- Universitat Abat Oliba, Barcelona
- Universidad de La Rioja, Logroño
- Universidad Antonio de Nebrija, Madrid
- University Alfonso X El Sabio, Villanueva de la Cañada (Madrid area)
- Universidad de Granada, Granada
- Universidad de Málaga, Málaga
- Universidad de Sevilla, Sevilla
- Universidad de Navarra, Pamplona
- Universidad Pública de Navarra, Pamplona
- Universidad de Salamanca, Salamanca
- Universidad de Cantabria, Santander.

Students are assessed separately each semester, based on subjects undertaken at the host institutions, as well as project work administered by UTS: International Studies.

Students may expect that slightly greater costs will be incurred through undertaking a period of in-country study in Spain than are involved in living away from home in Sydney and that these costs vary from location to location and fluctuate with exchange rates.

Locations

Barcelona

Barcelona, the second largest city in Spain, and the capital of the Autonomous Community of Catalonia, has long been a centre for artistic and architectural developments, as well as social progressiveness. It is also one of the most industrialised of Spanish cities.

Students who select Barcelona for their period of in-country study spend two consecutive semesters studying language and culture at one of two universities in the city with which UTS has exchange agreements: the Universitat Autònoma de Barcelona (UAB) or Universitat Abat Oliba.

In their first semester, UTS students at the Universitat Autònoma de Barcelona (UAB) study Spanish language as well as enrol in one elective subject. During the second semester, students select three electives from a list of options on contemporary Catalan and Spanish history, culture, politics, economics and society. The UAB campus consists of teaching and research centres, libraries and laboratories. Located 40 minutes from central Barcelona by commuter train, the UAB is, in effect, a separate university town. The university community is made up of 37,000 undergraduate students, 6500 postgraduate students, 2700 teachers and researchers, and 1200 administrative staff. The UAB's 11 faculties offer a wide range of study and research, including the humanities and social sciences, law, business studies, health sciences, experimental sciences, art and design, technology, and engineering. Catalan is the primary language of instruction at UAB, although a limited number of subjects are offered in Castilian.

This site is available to exchange students provided they have university-level Spanish and are prepared to undertake classes and subjects taught in Catalan, and depending on student demand in a given year.

www.uab.es

Universitat Abat Oliba is available only to in-country study students or exchange students with level 8 or higher Spanish proficiency who enrol in regular university subjects from Semester 1. In both semesters, students select three electives from a list of options on contemporary Catalan and Spanish history, culture, politics, economics and society. The Universitat Abat Oliba is a small private university located in the suburb of Bellesguard and is easily accessible by public transport. Abat Oliba's degree programs are professionally based in ways that match many of UTS's professional degrees, and the university prides itself on being technologically and pedagogically innovative, with small class sizes and a commitment to high teaching standards. Castilian (Spanish) is the primary language of instruction, with some subjects offered in Catalan. Abat Oliba offers students a range of subjects in the areas of business administration, political science, law, economics, journalism, psychology, advertising and PR, and information technology.

This site is available to exchange students provided they have university-level Spanish and are prepared to undertake classes and subjects taught in Catalan; such students may enrol in an advanced Spanish language class as an elective, subject to their faculty's approval.

www.uao.es

Granada

Granada is a medium-sized city in Andalucía, home of La Alhambra and Sacromonte, and one of the most picturesque and visited tourist locations in Spain. Although it has a constant and significant influx of tourists from all over the world, the city does not have a large foreign community living there long-term.

In their first semester, UTS students at the Universidad de Granada study Spanish language as well as enrol in one elective subject. During the second semester, students select three electives from a list of options on contemporary Spanish history, culture, politics, economics and society.

The University of Granada is the third largest university in Spain, and, having been founded in 1531, it is also one of the oldest. It enrols over 80,000 students annually and is an important and prominent institution in this city of only 270,000 inhabitants. The university teaches in all the main areas of study. Its faculties include Fine Arts, Architecture, Information Studies, Science, Physical Education and Sport, Education, Human Resources, Economics and Management, Psychology, Sociology and Political Sciences, Humanities, Translation and Interpretation, Law, Pharmacy, Medicine, Engineering and Information Technology, and various associated centres offering nursing, dentistry and others. The campus has modern facilities including IT access, a large library system and sport facilities. It is centrally located and the city has a good public transport system. Granada has a thriving cultural life. There is a mountain range half an hour away with excellent skiing in the winter, and the beach is only one hour away. Granada is also well connected to other major cities and tourist areas in Andalucía and has direct flights to Madrid and Barcelona.

This site is available to exchange students provided they have university-level Spanish, and depending on student demand in a given year.

www.ugr.es

Logroño

Logroño is the capital of the Autonomous Community of La Rioja, the most important wine-producing region of Spain. La Rioja is the smallest autonomous community in Spain, bordered by Navarra, Castilla y León, and Aragón. The city has a population of about 150,000, and is surrounded by picturesque valleys and mountains. It was founded by the Romans and forms part of the famous Camino de Santiago, alongside many monasteries and castles that can be found in the area.

The University of La Rioja attained university status in 1992, having been part of the University of Zaragoza previously. The student population currently numbers some 7500. The university offers 26 undergraduate and postgraduate degrees in a number of disciplines. Most foreign students who attend this university come from non-English-speaking backgrounds.

Students who select Logroño for their period of in-country study spend two consecutive semesters studying language and culture at the Universidad de La Rioja through arrangements made by UTS: International Studies. In the first semester, students further their Spanish language skills, and, if their Spanish levels permit, have access to other subjects as determined by the university. During the second semester, students select a number of electives from a list of options on contemporary Spanish history, culture, politics, economics and society.

This site is available to exchange students provided they have university-level Spanish; such students may enrol in an advanced Spanish language class as an elective, subject to their faculty's approval.

www.unirioja.es

Madrid

Madrid is the capital of Spain and the country's largest city, with a population of some five million, including the city's outlying districts. Madrid is situated in the geographical centre of the country and is regarded by the Spanish state as an autonomous community in its own right. It also wins the prize for being the highest European capital in terms of altitude, being some 700 metres above sea level. Home to some of Europe's most important art galleries and museums, including the Prado, Madrid is a dynamic metropolis, with a cultural life on par with the other great European capitals. It also boasts a vibrant night-life and an excellent public transport system. Two universities are available for students wishing to study in Madrid.

Universidad Antonio de Nebrija is a private university with a high academic reputation in Spain and abroad. It has two campuses: one in the city (Dehesa) and one on the outskirts (Berzosa). The Dehesa campus is readily accessible by metro. The Centro de Estudios Hispánicos, where intense Spanish languages classes are held, is located on this campus. The facilities at both campuses are impressive, as befits this modern, well-run university. Students enrol in intensive Spanish language and culture classes at Dehesa campus in first semester, and in second semester choose from a variety of subjects on contemporary Spanish history, culture, politics, economics and society taught at Berzosa campus.

This site is not available to UTS exchange students.

www.nebrija.com

University Alfonso X El Sabio (UAX), Villanueva de la Cañada (Madrid area), is a private university on the outskirts of Madrid. UAX was founded in 1993 and has a student population of 10,000. It is located in Villanueva de la Cañada, 25km out of Madrid. The campus can be reached in 45 minutes by a bus departing every 15 minutes from a bus and metro interchange in central Madrid.

Student accommodation is available in the small town/suburb next to campus, which provides an alternative to commuting from Madrid. The university can arrange for shared accommodation with Spanish and other foreign students in Villanueva de la Cañada. Most foreign students studying at this university are from non-English-speaking countries, and many are from Latin America. The university offers modern facilities and an optional Spanish language class for foreign students to be taken each semester concurrently with regular university subjects on contemporary Spanish history, culture, politics, economics and society.

This site is available to exchange students provided they have university-level Spanish; such students may enrol in an advanced Spanish language class as an elective, subject to their faculty's approval.

www.uax.es

Málaga

Málaga is a thriving city on Spain's south Mediterranean coast and a popular international tourist destination. The city is close to some of the most historically and architecturally significant cities in the Autonomous Community of Andalusia, such as Granada and Córdoba, and the Moroccan African coast is only a short ferry ride away.

In their first semester UTS students at the Universidad de Málaga undertake Spanish language classes, and in second semester three elective subjects from the regular curriculum of the university.

Founded in 1972, the Universidad de Málaga has become one of Spain's most dynamic tertiary institutions, especially in the fields of technology, tourism and Andalusian Studies. The university has eight faculties and 11 schools, and caters for a wide range of studies and research in the humanities and social sciences, health sciences, experimental sciences, technology, business, law, engineering and tourism. The university is split into two campuses and has modern resources, including excellent libraries, an Olympic-quality sports centre and a range of student services. Spanish language classes are offered at a language centre in the city while Teatinos campus, where students study in second semester, is 15 minutes from central Málaga by bus.

This site is available to exchange students provided they have university-level Spanish; such students may enrol in an advanced Spanish language class as an elective, subject to their faculty's approval.

www.uma.es

Sevilla

The University of Sevilla was founded in 1502 and is still housed in the iconic Tobacco Factory building dating from the 18th century made famous by Bizet's opera Carmen. The current campus is spread all over the city, with some faculties located in the post-Expo area of Cartuja Island, still a short walk from the city's centre.

It is a large public university catering to about 60,000 students with over 4000 teaching staff, making it one of the largest universities in Spain.

Its faculties include Biology, Physics, Chemistry, Pharmacy, Medicine, Dentistry, Psychology, Mathematics, Economics and Business, Social Work, Education, Communications, Geography and History, Philology, Philosophy, Law, Fine Arts. There are also technical sciences, schools of Architecture, Engineering, Software Engineering and university schools of Technical Architecture, Agricultural Sciences, Management Studies, Health Sciences, Engineering.

The university offers modern facilities and an optional Spanish language class for foreign students to be taken each semester concurrently with regular university subjects on contemporary Spanish history, culture, politics, economics and society.

This site is available to exchange students provided they have university-level Spanish; such students may enrol in an advanced Spanish language class as an elective, subject to their faculty's approval.

www.us.es

Pamplona

Pamplona, or Iruña as it is known in Basque, is the capital of the Autonomous Community of Navarra, in the north of Spain. Navarra is one of the wealthiest regions in Spain, and while Castilian is the dominant language, Basque is also spoken by a significant proportion of the population. Pamplona is famous for its Fiesta de San Fermín and the associated running of the bulls.

In their first semester, UTS students at the Universidad de Navarra undertake intensive Spanish language and culture classes. In their second semester, students enrol in classes from the general undergraduate program in a range of faculties, depending on university admission requirements. The Universidad de Navarra is located on the outskirts of Pamplona in a leafy and spacious parkland setting along the banks of the Sadar River, some 20 minutes from the city centre by bus. One of the best technologically equipped tertiary institutions in Spain, the university prides itself on its commitment to fostering an active student community through various social, cultural and sporting activities. Of the 13,500 students in its undergraduate programs, between 600 and 700 come from overseas, half of those from Latin America. The university was founded in 1952 and currently offers 27 degree courses in a range of faculties and schools, some of its strengths being business studies, journalism, nursing, law and education.

This site is available to exchange students provided they have university-level Spanish and depending on student demand in a given year.

www.unav.es

UTS students at the Universidad Pública de Navarra enrol in two elective subjects as well as undertake Spanish language classes in their first semester. These classes are taught using the innovative method of the renowned Instituto Cervantes, which combines formal classroom teaching with computer-based learning. In second semester, students undertake three elective subjects from the regular curriculum of the university. The Arrosadía campus of the Universidad Pública de Navarra is located in the south of Pamplona in spacious parkland. An excellent public transport system of buses links the campus to the city proper. Established in 1987, the university is now ranked as one of the most dynamic and outward looking of Spanish universities, with a student body of some 11,000. Unlike most older Spanish universities, Pública is divided into 20 departments, rather than faculties, including Physics, Chemistry, Agrarian Production, Geography and History, Philology and Linguistics, Economics, Statistics, Engineering, Automation and Computer Science, Health Sciences, Environmental Sciences, Private and Public Law, and Psychology. Teaching and student facilities are excellent.

This site is available to exchange students provided they have university-level Spanish, and depending on student demand in a given year.

www.unavarra.es

Salamanca

Salamanca is a small university town some two-and-a-half hours by road from Madrid, in the Autonomous Community of Castilla y León. The old city centre, where the university itself is located, contains some of the finest examples of medieval, renaissance and baroque architecture in Spain.

In their first semester, students undertake Spanish language and culture classes from the Cursos Internacionales program. In their second semester they enrol in classes from the general undergraduate program in a range of faculties, depending on university admission requirements.

Established in 1218, the Universidad de Salamanca is one of the oldest universities in Europe, and currently attracts thousands of foreign students each year. Undergraduate students number close to 40,000. Located in the historical centre of Salamanca, the university has an illustrious academic history. Among its graduates and teachers are many of Spain's most important jurists, scientists, doctors, philosophers and writers. Classes are held in buildings built centuries ago. In 1987 construction of a new campus, Miguel de Unamuno, on the edge of the city centre was undertaken to satisfy the growing needs of students and staff. The university has 16 faculties and seven university schools, and offers study and research in many areas, notably humanities, environmental science, social sciences, law, economics and pharmacology. Its humanities faculty is well regarded internationally for its courses in linguistics, languages and translation.

This site is not available to UTS exchange students.

www.usal.es

Santander

Santander, the largest city in the Autonomous Community of Cantabria, is a medium-sized city of 200,000 inhabitants, located on the northern coast of Spain and home to the best surfing beaches in the country. The campus is centrally located, surrounded by modern residential areas popular with students, and easily accessible by public transport from other parts of the city.

Students who select Santander for their period of in-country study spend two consecutive semesters studying language and culture at la Universidad de Cantabria (UC) through arrangements made by UTS: International Studies. In the first semester students further their Spanish language skills and, if their Spanish levels permit, they have access to other subjects as determined by the university. During the

second semester students select a number of electives from a list of options on contemporary Spanish history, culture, politics, economics and society. UC is a modern university currently enrolling around 13,000 students. It has a modern campus with all necessary facilities. Student flats are close to the campus and there is good public transport to other areas of the city.

This site is available to exchange students provided they have university-level Spanish, and depending on student demand in a given year.

www.unican.es

Completion requirements

976001	Foundations in International Studies	8cp
976451	Contemporary Spain	8cp
977450	In-country Study 1: Spain	24cp
978450	In-country Study 2: Spain	24cp
CBK90484	Spanish Language and Culture	32cp
		Total 96cp

MAJ08932 Switzerland

Located in the centre of Europe, Switzerland shares borders with France, Germany, Italy and Austria. The nation has four official languages (French, German, Italian and Romansh) with each one spoken in a different region.

Switzerland is known for spectacular natural landscapes, great skiing, festivals, fine chocolates, wine and cheese. Beyond these stereotypes, the country is also a major player in banking, politics, diplomacy and other areas of global cooperation, hosting the United Nations and the International Red Cross, among other organisations. Culturally diverse, the country is organised on a federal system (cantons) with a unique form of participatory democracy.

Language strands in the Switzerland major

There are no restrictions on entry to the Switzerland major and there are three individual language strands to choose from:

- Switzerland (German)
- Switzerland (French)
- Switzerland (Italian)

No previous knowledge of the German, French or Italian language is required. However, students who have already studied one of these languages can enter the degree and continue with their language study at a higher level at UTS before going to study in Switzerland.

The major also has a fourth option known as the Switzerland (bilingual) strand. If a student is already proficient in one of Switzerland's languages (French, German or Italian) before commencing their International Studies degree at UTS, this strand allows them to study an additional language. This is a popular option for students who have grown up speaking French, German or Italian and/or have studied one of these languages in high school (or equivalent), and who wish to pick up an additional language at university. Students can choose any bilingual combination, for example: French and German; Italian and German; or Italian and French.

Note: the bilingual option is not available to students who are starting their degree as beginners or with only limited proficiency in French, German or Italian. Those students should choose one of the three individual language strands listed above.

In-country study locations

Depending on the language(s) chosen, students in the Switzerland major spend two consecutive semesters studying at one of the following UTS partner universities during their in-country study year:

- Université de Lausanne
- Universität Bern
- Universität Zürich
- Université de Fribourg
- Université de Neuchâtel

Università della Svizzera italiana (Lugano)

Students in the Switzerland (bilingual) strand may study at two different universities during their in-country study year.

Students are assessed on each semester separately. Assessment is based on the subjects studied at the host university, as well as project work administered by UTS: International Studies.

The costs of living in Switzerland are generally slightly higher than in Australia. On the whole, accommodation is cheaper than in Sydney but eating in restaurants is considerably more expensive. It is, however, possible to spend a year there on an amount roughly comparable to living away from home in Sydney.

Neuchâtel

Neuchâtel is located in the French-speaking part of Switzerland on the north-western shore of the Lake of Neuchâtel. The city is located between the Jura mountains and the Alps and is surrounded by countryside and vineyards. It is also in the heart of the Swiss watchmaking region.

The Academy of Neuchâtel was founded in 1838 and the full university was established in 1909. Approximately 4000 students attend the university. Eighty per cent are Swiss nationals and 20 per cent are international students. The university is a public university and is also part of the 'BeNeFri' Network (linking the Universities of Bern, Neuchâtel and Fribourg, allowing students to study at all three campuses in the nearby cities). The university has five faculties: Humanities; Science; Law; Economics; and Theology.

Semester dates are mid-February to early June for the summer semester and mid-September to end December for the winter semester.

www.unine.ch

Lausanne

Lausanne, in French-speaking Switzerland, is built on a series of steep hills with views of Lake Geneva and the snow-capped mountains of the Alps in the distance. The Université de Lausanne (UNIL) has around 10,000 students and seven schools (Law; Arts; Social and Political Sciences; Business; Science; Medicine; and Religious Studies) mainly located at Dorigny, a 10-minute metro ride from the city centre.

Semester dates are mid-February to early June for the summer semester and mid-September to end December for the winter semester.

www.unil.ch

Bern

The capital of Switzerland, Bern was founded in the 11th century and its old city ('Altstadt') has UN World Heritage listing. The city lies in the centre of Switzerland about 20km north of the Alps.

The University of Bern was founded in 1834 and has seven faculties comprising: Humanities; Social Sciences; Law; Theology; Economics; Medicine (including Veterinary Medicine); and Natural Sciences. The university is located in the city's traditional student quarter, 'Länggasse', and is very close to the main railway station. The university is also part of the 'BeNeFri' Network (linking the Universities of Bern, Neuchâtel and Fribourg, allowing students to study at all three campuses in the nearby cities).

Semester dates are mid-February to early June for the summer semester and mid-September to end December for the winter semester.

www.unibe.ch

Zürich

Zürich is the largest city in Switzerland, with an international atmosphere and a vibrant cultural life. It is located on the shores of Lake Zürich about 30km north of the Alps.

The University of Zürich was founded in 1833 and is one of the highest ranked universities in Europe. Its seven faculties are: Theology; Arts (including Social Sciences); Mathematics and Sciences; Law; Economics; Medicine; and Veterinary Medicine. With around 2000 academic staff and over 20,000 students, the University of Zürich is the largest institution of higher education in Switzerland, offering the widest range of courses.

Semester dates are mid-February to early June for the summer semester and mid-September to end December for the winter semester.

www.unizh.ch

Fribourg

Fribourg was founded in 1157 and its old part of town, with a Gothic cathedral, narrow streets, wooden and stone bridges, museums and cafes, constitutes one of the most beautiful and well-preserved medieval cities in Europe. While the majority of the population is French-speaking, the city is on the border with the German-speaking part of Switzerland and the university offers classes in German as well as French. The healthy population of students that live in the town contribute to the vibrant rhythm of life in Fribourg and are an integral part of its unique atmosphere.

The university developed from the initial Academy of Law established in 1763. The current buildings are located around the city (thus a 'city' university rather than a 'campus' one). The university is also part of the 'BeNeFri' Network (linking the Universities of Bern, Neuchâtel and Fribourg, allowing students to study at all three campuses in the nearby cities).

The university currently teaches approximately 10,000 students: 82 per cent are Swiss nationals and 18 per cent international students.

Semester dates are mid-February to early June for the summer semester and mid-September to end December for the winter semester.

www.unifr.ch

Lugano

Lugano is located in the Italian-speaking province of Ticino in the south of Switzerland. The city lies on the shores of Lake Lugano and is approximately 10km from the border with Italy. The surrounding mountains and lakes, and the fact that Lugano lies south of the Alps, gives it a milder climate than most of Switzerland.

The Università della Svizzera italiana (the 'University of Italian Switzerland') in Lugano is the only Italian-speaking university outside Italy. It therefore serves as a bridge between the northern Italian region Lombardy and the rest of Switzerland, with the goal of preserving the language and culture of Italian-speaking Switzerland. The university comprises four faculties and has a student population of around 3000. Semester dates are mid-February to early June for the summer semester and mid-September to end December for the winter semester.

www.usi.ch

Completion requirements

976001	Foundations in International Studies	8cp
976404	Contemporary Switzerland	8cp
977460	In-country Study 1: Switzerland	24cp
978460	In-country Study 2: Switzerland	24cp
CBK90417	Switzerland Language and Culture	32cp
		Total 96cp

MAJ08933 Canada

The French language, traditionally the language of diplomacy, is shared by many other countries throughout the world, and the Francophone element of this major reflects this by including partner universities in Québec. A participant in the G8 group, Canada claims a place on the world stage in terms of economics, business, politics and culture. Geographically huge, the country extends from the Atlantic to the Pacific, and combines the extremes of snowy winters and hot summers. The history of Canada can be traced back to its indigenous peoples through colonisation by France and the United Kingdom, to independence. More recently, calls for autonomy have been made from Québec, culturally distinct, and with a reputation for artistic, cinematic and literary production second only to France in the Francophone world.

Students spend two consecutive semesters studying at Université Laval, Québec City.

The location and content of each student's period of In-country Study in Canada (Québec) is determined by the level of their language competence in French. Generally speaking, students who have a sound working knowledge of French before their entrance to UTS (usually defined as HSC 3-unit or a good pass in 2-unit French) can study an appropriate two-semester program of host university subjects broadly relating to Francophone language, society and culture.

All other students spend a first semester engaged in the study of language and culture, going on to a second semester of subjects chosen more broadly from the university's curriculum.

Students are assessed on each semester separately. Assessment is based on the subjects studied at the host university, as well as assessments administered by UTS: International Studies.

Students should be aware that costs of living in Canada are generally slightly higher than in Australia, though the cost of student accommodation is reasonable and it is possible to spend a year on an amount roughly comparable to living away from home in Sydney.

Location

Québec City

Described as the cradle of French civilisation in North America, Québec City is the capital of the province. Dating back to 1608, when the city began as a fur-trading post, Québec's architecture reflects its position as a crossroads between Europe and America, earning it a place among UNESCO's world heritage sites. With a culture combining French, British, North American and indigenous traditions, the city has a population of over half a million. The natural environment is equally magnificent: with the St Lawrence river at its heart, the province is characterised by forests, lakes and mountains and enjoys contrasting climates of hot summers, snowy winters (ideal for skiing, snowboarding, skating and other activities, as well as providing a Christmas card cityscape) and spectacular Autumns.

Université Laval, founded in 1852, is the oldest French language university in America. Its student population of almost 35,000 enjoys a rich calendar of extra-curricular activities. Faculties include Science and Engineering, Health Sciences, Arts, and Social Sciences and Management, and students can choose from a wide range of options relating to French and Québecois culture and society.

Completion requirements

976001	Foundations in International Studies	8cp
976602	Contemporary Canada (Quebec)	8cp
977543	In-country Study 1: Canada	24cp
978543	In-country Study 2: Canada	24cp
CBK90483	French Language and Culture	32cp
		Total 96cp

MAJ08934 Accounting and Finance

The Accounting and Finance major provides a comprehensive range of skills that are necessary for those involved in the preparation and/or analysis of financial reports or those working in the finance sector. This includes acquiring knowledge relating to the regulation of financial reporting, the use of financial statements and issues related to the financial management of a firm.

Completion requirements

22754	Corporate Accounting	6cp
22730	Auditing and Assurance Services	6cp
25765	Corporate Finance	6cp
25741	Capital Markets	6cp
25721	Investment Management	6cp
25731	International Finance	6cp
22748	Financial Reporting and Analysis	6cp
22743	Business Valuation and Financial Analysis	6cp
		Total 48cp

MAJ08938 Technology Management

In a world where innovation is a key to success, leaders are called to the fore to manage people and projects. The Technology Management major is designed for students who have a technical background or a keen interest in technology and therefore a strong alignment with analytical approaches. From this platform the objectives are underpinned by the desire to expose students to a broader body of knowledge and range of approaches than experienced in a purely technical framework.

A key issue is the benefit that accrues from supplementing analytical and mathematical modelling approaches with business and social science skills. Much of the value and strength of the Technology Management major relate to consideration of approaches and perceptions that are extensions of, or build upon, an engineering/scientific view point. The differences between technocratic approaches and human and societal constructs are brought into sharp focus broadening the perspectives of students.

The major is specifically designed to enhance understanding of the need for technology, people and society to be viewed as closely interrelated aspects of all engineering and business activity.

Completion requirements

Select 48 credit points from the following options:			48cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49004	Systems Engineering for Managers	6cp	
49006	Risk Management in Engineering	6cp	
49013	Managing Information Technology in Engineering	6cp	
49655	Integrated Logistic Support	6cp	
49309	Quality Planning and Analysis	6cp	
49016	Technology and Innovation Management	6cp	
49306	Quality and Operations Management Systems	6cp	
			Total 48cp

MAJ08940 Finance

Virtually all individuals and organisations earn or raise money and spend or invest money. Financial Management is concerned with the process, markets and instruments used in the transfer of money between individuals, firms and government.

The Financial Management major provides participants with the opportunity to acquire knowledge of finance theory and techniques in the areas of investment and financing decisions, forecasting and planning, risk management and interactions with capital markets. Learning strategies that cover both contemporary financial theory and leading-edge techniques in the practice of financial decision-making are used in the presentation of the major.

Completion requirements

25705	Financial Modelling and Forecasting		6cp
25741	Capital Markets		6cp
25721	Investment Management		6cp
25743	Corporate Financial Analysis		6cp
25765	Corporate Finance		6cp
25731	International Finance		6cp
Select 12 credit points from the following options:			12cp
25807	Mergers and Acquisitions	3cp	
25762	Derivatives and Risk Management	6cp	
25824	Project Finance	3cp	
25782	Alternative Investments	6cp	
25783	Behavioural Finance	3cp	
			Total 48cp

MAJ08941 International Business

The International Business major provides participants with competencies in the form of practical skills and theoretical foundations to assess the forces of globalisation and to analyse how these impact upon individual firms. A broad perspective is adopted, covering a range of functional activities within the firm, including accounting, marketing, finance, law and management.

Completion requirements

21012	Governance and Sustainability	6cp
21717	International Management	6cp
21745	Service Operations Management	6cp
21811	Global Strategic Management	6cp
21833	International Human Resources Management	6cp
21854	Innovation and Entrepreneurship	6cp
24738	Strategic International Marketing	6cp
25731	International Finance	6cp
		Total 48cp

MAJ08954 Argentina

Argentina is the second largest country in Latin America and the eighth largest country in the world, with a population of some 41 million. Argentina is also a country formed by immigration, the majority of the population having Spanish and Italian ancestry. There are also significant mestizo and indigenous populations. Argentina is officially a federation comprising 23 provinces and one autonomous city, Buenos Aires, the capital. The geography of the country is diverse, and includes the vast grasslands of the pampas, the region of Patagonia, and the eastern side of the Andes mountain range; this diversity in turn is responsible for equally diverse climates, from Amazonian tropical conditions to the subpolar conditions of the extreme south. Australia is developing strong links with Argentina, and the local Argentine community is one of Australia's largest Spanish-speaking communities. Argentina emerged from military dictatorship in 1983 and, despite periods of economic collapse and hyperinflation in the 1990s and early 2000s, is now economically and politically stable. Argentina's rich cultural traditions range from the tango and the mythologised figure of the gaucho (Argentina's cowboy) to a literary tradition that has been extraordinarily influential throughout the continent.

Students spend two consecutive semesters studying social science or culture and humanities subjects at one or more institutions of higher education in Argentina through arrangements made by UTS: International Studies. The focus of study varies each semester depending on individual student preferences and the availability of subjects at host institutions. Students are assessed on each semester separately and assessment is based on the subjects undertaken at the host institutions, as well as assessments administered by UTS: International Studies.

Students may expect that no greater costs are incurred through undertaking a period of in-country study in Argentina than are involved in living away from home in Sydney.

Locations

Buenos Aires

Buenos Aires is the capital and largest city in Argentina. It is situated on the southern shore of the Río de la Plata, on the southeastern coast of the South American continent. It was first established in 1536 by a Spanish expedition led by Pedro de Mendoza. Buenos Aires is today an autonomous federal district with a population of around 13 million. It is also the financial, industrial, commercial and cultural hub of Argentina. Its port is one of the busiest in South America. People in Buenos Aires are called porteños: people of the port. Deeply influenced and self-consciously modelled after its European heritage, Buenos Aires - sometimes called the 'Paris of South America' - is the site of Teatro Colón, one of the world's great opera houses. The city has several symphony orchestras and choral societies, and numerous museums related to history, fine arts and modern arts. It harbours many public libraries and cultural associations, as well as the largest concentration of active theatres in Latin America. The city has a humid subtropical climate. The average year temperature is 17.6 degrees centigrade, and average high temperatures range from 30.4 in January, to 14.9 degrees centigrade in winter.

La Universidad Católica Argentina (UCA) is among the largest and most prestigious private universities in Argentina. It is located in Puerto Madero, one of the oldest suburbs of Buenos Aires. Since its establishment in 1958, UCA has pioneered important educational reforms and attracted prominent academics from diverse fields. Identified closely with its Christian tradition and ethos, UCA promotes academic excellence, personal growth, social justice, and a humanist education.

UCA's faculties include: Ciencias Agrarias, Ciencias Fisicomatemáticas e Ingenieria, Ciencias Médicas, Ciencias Sociales y Económicas, Derecho, Derecho Canónico. Filosofia y Letras, Psicologia y Educación, y Teología. Its offerings include: economia, comercio, administración, marketing, ciencias políticas, relaciones internacionales, derecho, ingenierias, informática, filosofia, literatura, historia, música, musicologia, eduación, periodismo, publicidad, comunicación institucional, agricultura, tecnología de los alimentos, teología y estudios latinoamericanos.

www.uca.edu.ar

Completion requirements

976001	Foundations in International Studies	8cp
976502	Contemporary Latin(o) Americas	8cp
CBK90484	Spanish Language and Culture	32cp
977542	In-country Study 1: Argentina	24cp
978542	In-country Study 2: Argentina	24cp
		Total 96cp

MAJ08955 Management

92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp
92612	Research in Health	6cp
92847	Planning and Evaluating Health Services	6cp
SMJ08194	Clinical Management	24cp
CBK90510	Electives	18cp
92297	Health Systems and Change	6cp
		Total 72cp

MAJ08956 Project Management

Select 24 credit points from the following options:			24cp
15315	Project Management Principles	6cp	
15330	Program Management	6cp	
15325	Negotiation and Conflict Management	6cp	
15327	Managing Project Complexity	6cp	
15312	Communication and Critical Thinking	6cp	
15314	Project Implementation	6cp	
			Total 24cp

MAJ08958 Tourism Management

27735	Tourism and the Industry	6cp
27767	Tourist Behaviour	6cp
27706	Managing Tourism Services	6cp
27700	Sustainable Tourism Management	6cp
27778	Innovative Services Management	6cp
CBK90612	Electives	12cp
		Total 42cp

MAJ08959 Arts Management

27717	Venue and Facility Management	6cp
27763	Arts and Cultural Policy	6cp
27755	Arts Organisations and Management	6cp
27753	Arts and Cultural Industries	6cp
27778	Innovative Services Management	6cp
CBK90612	Electives	12cp
		Total 42cp

MAJ08960 Sport Management

27717	Venue and Facility Management	6cp
27721	Sport Globalisation	6cp
27715	Sport Business	6cp
27732	Sport Organisations	6cp
27778	Innovative Services Management	6cp
CBK90612	Electives	12cp
		Total 42cp

MAJ08961 Event Management

27727	Event Creation Workshop	6cp
27737	Event Risk Management	6cp
27765	Event Management	6cp
27726	Event Concepts and Contexts	6cp
27717	Venue and Facility Management	6cp
CBK90612	Electives	12cp
		Total 42cp

MAJ08962 Human Resource Development

013960	Individual Communication in the Workplace	6cp
013961	Team Communication in the Workplace	6cp
013972	Organisational Learning	6cp
CBK90550	Options (Human Resource Development)	36cp
013976	Strategic Human Resource Development	6cp
013097	Human Resource Development in Organisations	6cp
010074	Professional Practice 1 Human Resource Development	6cp
010075	Professional Practice 2 Human Resource Development	6cp
		Total 78cp

MAJ08964 International Business

21491	Cross Cultural Management	6cp
20400	International Marketing	6cp
20101	Management Skills	6cp
20102	The Global Context of Management	6cp
20500	Financial Valuation and Strategy	6cp
20501	International Financial Management	6cp
CBK90875	Electives (International Business)	12cp
		Total 48cp

MAJ08965 Business Studies

22107	Accounting for Business Decisions A	6cp
23115	Economics for Business	6cp
21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
26134	Business Statistics	6cp
25300	Fundamentals of Business Finance	6cp
26100	Integrating Business Perspectives	6cp
22207	Accounting for Business Decisions B	6cp
		Total 48cp

MAJ08966 Management Studies

21129	Managing People and Organisations	6cp
21511	Global Operations and Supply Chain Management	6cp
21512	Understanding Organisations: Theory and Practice	6cp
21440	Management Skills	6cp
21591	Transnational Management	6cp
21510	The Global Context of Management	6cp
21513	Business Ethics and Sustainability	6cp
Select 6 credit points from the following options:		6cp
21227	Innovation and Entrepreneurship	6cp
21555	Human Resource Management	6cp
21228	Management Consulting	6cp
21602	Strategy: Theory and Practice	6cp
		Total 48cp

MAJ08967 Design Specialisation

88951	Future Design Strategies	6cp
88952	Design Project Specialisation	6cp
89400	Design Capstone Project	12cp
		Total 24cp

MAJ08968 Planning

The Planning major provides a blend of subjects to assist graduates in planning and evaluating health services, understanding health needs, and managing change in a dynamic and complex environment. The major meets the needs of the health industry and has been developed in close consultation with the departments of health in New South Wales and Queensland.

Completion requirements

92847	Planning and Evaluating Health Services	6cp
92295	Advanced Health Services Planning	6cp
92297	Health Systems and Change	6cp
26703	Introductory Health Economics	6cp
STM90763	Core subjects (Health Services Management)	36cp
CBK90901	Electives (Planning)	12cp
		Total 72cp

MAJ08969 Safety and Quality in Health Care

013115	Professional Practice and Changing Work	6cp
92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp
92946	Project Part A	6cp
CBK90398	Electives	12cp
STM90763	Core subjects (Health Services Management)	36cp
		Total 72cp

MAJ08970 Clinical Management

92887	Organisational Management in Health Care	6cp
92932	Management for Clinicians	6cp
92790	Evidence-based Practice	6cp
92612	Research in Health	6cp
STM90763	Core subjects (Health Services Management)	36cp
		Total 72cp

MAJ08971 Clinical Leadership

This major provides a blend of subjects to assist graduates in maximising the efficiency, effectiveness, and safety of health services as well as ensuring that governance, quality, and risk mitigation frameworks contribute to excellence in health care delivery.

Completion requirements

92932	Management for Clinicians	6cp
92022	Improving Quality and Safety in Health Care	6cp
92297	Health Systems and Change	6cp
92847	Planning and Evaluating Health Services	6cp
STM90763	Core subjects (Health Services Management)	36cp
CBK90878	Electives (Clinical Leadership)	12cp
		Total 72cp

MAJ08972 Human Resources and Management

21702	Industrial Relations	6cp
21724	Strategic Human Resource Management	6cp
21760	Performance and Talent Management	6cp
21833	International Human Resources Management	6cp
CBK90887	Electives (Management Extended)	12cp
		Total 36cp

MAJ08973 Operations and Supply Chain Management

21877	Strategic Procurement	6cp
21743	Business Excellence	6cp
21745	Service Operations Management	6cp
21797	Strategic Supply Chain Management	6cp
CBK90887	Electives (Management Extended)	12cp
		Total 36cp

MAJ09002 Dispute Resolution

Select 48 credit points from the following options:			48cp
77746	Advanced Mediation		6cp
77752	Commercial Arbitration (Domestic)		6cp
77761	Dispute Resolution in Commerce		6cp
79771	Dispute Resolution		6cp
Select one of the following:			6cp
77751	International Commercial Arbitration	6cp	
77783	International Commercial Dispute Resolution	6cp	
77745	Negotiation		6cp
77850	Psychology and Dispute Resolution		6cp
77867	Workplace Dispute Resolution		6cp
78029	Mediation Practice		6cp
			Total 48cp

MAJ09004 International Trade Law

Select 48 credit points from the following options:			48cp
77704	European Union Law	6cp	
77716	International Trade Law	6cp	
77724	International Banking and Finance Law	6cp	
Select one of the following:		6cp	
77751	International Commercial Arbitration	6cp	
77783	International Commercial Dispute Resolution	6cp	
77976	World Trade Organisation Law and Practice	6cp	
78008	Law of the Sea	6cp	
77885	Legal Process and Legal Research	6cp	
		Total	48cp

MAJ09005 Law

Select 48 credit points from the following options:			48cp
77715	Banking Law	6cp	
77724	International Banking and Finance Law	6cp	
77885	Legal Process and Legal Research	6cp	
77901	Securities Markets Law	6cp	
77980	Estate Planning and Trusts	6cp	
CBK90327	Major subjects choice (Law)	12cp	
		Total	48cp

MAJ09209 Economics

The study of economics provides students with a greater understanding of how people, businesses and governments make decisions based on their economic environment. Many current issues discussed in public forums and of concern to business are economic in nature. Economics seeks to understand these issues by developing a systematic approach to analysing resource allocation, price determination, income distribution, economic growth and the welfare consequences of economic policies.

A major in economics provides students with powerful tools to systematically evaluate economic behaviour and policy for a wide range of economic problems: firm and consumer behaviour, labour markets, government tax and expenditure policy, education, environmental and resource management, regulating financial systems and managing the aggregate economy. Key analytical tools include microeconomic and macroeconomic theory, empirical analysis using econometric modelling, and game theory.

Economists have a wide range of career options. Employers recognise the ability of those trained in economics to think analytically and clearly about a wide range of issues. Economics majors are also well prepared for employment in diverse areas including business, government, consulting, public policy, industrial relations, international relations, media and environmental studies. Economics is a foundation for postgraduate study in many fields.

Students intending to apply for the honours program in economics should take two of the following optional subjects: 23592 Game Theory, 23565 Mathematics for Economics and Business, 23572 Applied Microeconometrics.

Anti-requisites: MAJ09402 Extended Economics, SMJ09028 Economics

Completion requirements

23566	Economics for Business 2		6cp
23567	Intermediate Microeconomics		6cp
23568	Intermediate Macroeconomics		6cp
23571	Introductory Econometrics		6cp
23580	The Global Economy (Capstone)		6cp
Select 18 credit points from the following options:			18cp
23021	Labour Economics	6cp	
23022	Public Economics	6cp	
23418	Economics of Money and Finance	6cp	
23569	Economic Growth and Development	6cp	
23570	Economics of the Environment	6cp	
23623	Alternative Perspectives in Contemporary Economics	6cp	
23565	Mathematics for Economics and Business	6cp	
23572	Applied Microeconometrics	6cp	
23592	Game Theory	6cp	
23593	Industrial Organisation	6cp	
23591	Economics of Law	6cp	
23999	Business Internship	6cp	
		Total	48cp

MAJ09313 Commercial Law

Select 30 credit points from the following options:			30cp
77945	Current Issues in Taxation	6cp	
77715	Banking Law	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77761	Dispute Resolution in Commerce	6cp	
77900	Goods and Services Tax	6cp	
77930	Insurance Law	6cp	
77724	International Banking and Finance Law	6cp	
77751	International Commercial Arbitration	6cp	
77701	International Economic Law (PG)	6cp	
77953	International Taxation Law	6cp	
77716	International Trade Law	6cp	
77901	Securities Markets Law	6cp	
77767	Taxation Administration	6cp	
77796	Taxation of Business Entities	6cp	
77924	Superannuation and Retirement Planning	6cp	
77783	International Commercial Dispute Resolution	6cp	
78011	International Sale of Goods	6cp	
78026	Business and Law in China	6cp	
78042	Environmental Planning and Development Law	6cp	
78040	The Law and Education	6cp	
76008	Jurisprudence	6cp	
76024	Environmental Law	6cp	
76053	Industrial Law	6cp	
76115	Insolvency	6cp	
76212	Revenue Law	6cp	
77893	Designs Law and Practice	6cp	
78039	Wickedness and Vice	6cp	
78041	New Families, New Technologies	6cp	
78111	Banking and Finance Law	6cp	
78113	Securities Regulation	6cp	
78122	Corporate Insolvency	6cp	
78126	Corporate Governance	6cp	
78101	Postgraduate Legal Research	6cp	
78181	Deceptive Trade Practices	6cp	
77792	Crisis Negotiation	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
77745	Negotiation	6cp	
77867	Workplace Dispute Resolution	6cp	
78029	Mediation Practice	6cp	
78107	Climate Law and Carbon Markets	6cp	
78206	International Organisations	6cp	
78209	Taxation of Commercial Enterprises	6cp	
		Total	30cp

MAJ09320 Dispute Resolution

Select 30 credit points from the following options:			30cp
77746	Advanced Mediation	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77792	Crisis Negotiation	6cp	
79771	Dispute Resolution	6cp	
77761	Dispute Resolution in Commerce	6cp	
77760	Family Dispute Resolution	6cp	
77751	International Commercial Arbitration	6cp	
77745	Negotiation	6cp	
77850	Psychology and Dispute Resolution	6cp	
77867	Workplace Dispute Resolution	6cp	
77783	International Commercial Dispute Resolution	6cp	
78029	Mediation Practice	6cp	
76008	Jurisprudence	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
78138	Facilitation	6cp	
78101	Postgraduate Legal Research	6cp	
78129	Child Law in Australia	6cp	
78135	Current Issues in Family Law	6cp	
78041	New Families, New Technologies	6cp	
78133	Complex Financial and Property Disputes (in Family Law)	6cp	
78141	International and Comparative Family Law	6cp	
78131	Complex Parenting Disputes	6cp	
		Total	30cp

MAJ09322 International Law

Select 30 credit points from the following options: 30cp

77704	European Union Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77701	International Economic Law (PG)	6cp
77794	International Environmental Law	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
77783	International Commercial Dispute Resolution	6cp
78010	International Criminal Law	6cp
78008	Law of the Sea	6cp
78011	International Sale of Goods	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78016	International Humanitarian Law	6cp
78023	International Trade Law and the Environment	6cp
76008	Jurisprudence	6cp
78041	New Families, New Technologies	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78101	Postgraduate Legal Research	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78182	Human Rights Law	6cp
78141	International and Comparative Family Law	6cp
78026	Business and Law in China	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
78126	Corporate Governance	6cp
78201	International Development Law	6cp
		Total 30cp

MAJ09323 Information Technology Law

Select 30 credit points from the following options: 30cp

77903	Copyright Law	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
76008	Jurisprudence	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78101	Postgraduate Legal Research	6cp
		Total 30cp

MAJ09362 Business Law

The business person of today cannot operate successfully without an understanding of the legal and regulatory environment within which they operate. This major includes wide ranging options which provide an attractive choice to students to select from to meet their interests and professional needs in the global context. This major develops skills to enable students to strategically assess, critically interpret and judiciously apply information for decision-making in the contemporary dynamic business environment. The major provides students with an understanding of the impact of regulation and the law to progress a career in the global business environment. Students develop an awareness and understanding of social, legal and ethical responsibilities in business for a sustainable future.

Completion requirements

Select 48 credit points from the following options: 48cp

79708	Contemporary Business Law	6cp
77716	International Trade Law	6cp
77715	Banking Law	6cp
79771	Dispute Resolution	6cp
77724	International Banking and Finance Law	6cp
77745	Negotiation	6cp
78234	Common Law Legal Traditions	6cp
77901	Securities Markets Law	6cp
77947	Companies and Securities Law	6cp
77938	Introduction to Taxation Law	6cp
77942	Legal Aspects of Contracts Administration	6cp
		Total 48cp

MAJ09363 Industrial and Intellectual Property Law

Select 30 credit points from the following options: 30cp

77903	Copyright Law	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
76008	Jurisprudence	6cp
77976	World Trade Organisation Law and Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
77891	Patent Systems	6cp
78101	Postgraduate Legal Research	6cp
		Total 30cp

MAJ09364 International Trade Law

Select 30 credit points from the following options: 30cp

77704	European Union Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77701	International Economic Law (PG)	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77783	International Commercial Dispute Resolution	6cp
77903	Copyright Law	6cp
78008	Law of the Sea	6cp
78011	International Sale of Goods	6cp
79771	Dispute Resolution	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78023	International Trade Law and the Environment	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78026	Business and Law in China	6cp
76008	Jurisprudence	6cp
77893	Designs Law and Practice	6cp
78141	International and Comparative Family Law	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78182	Human Rights Law	6cp
78010	International Criminal Law	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78101	Postgraduate Legal Research	6cp
		Total 30cp

MAJ09367 Family Law

Select 30 credit points from the following options: 30cp

77746	Advanced Mediation	6cp
79771	Dispute Resolution	6cp
77760	Family Dispute Resolution	6cp
77745	Negotiation	6cp
78041	New Families, New Technologies	6cp
78040	The Law and Education	6cp
76008	Jurisprudence	6cp
78129	Child Law in Australia	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
78131	Complex Parenting Disputes	6cp
78101	Postgraduate Legal Research	6cp
77850	Psychology and Dispute Resolution	6cp
		Total 30cp

MAJ09368 Aboriginal Studies and Language, Literacy and Numeracy

013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013103	Issues in Aboriginal Education	6cp
013088	Educational Management	6cp
013082	Aboriginal Social and Political History	6cp
013081	Aboriginal Studies Project	6cp
013981	Teaching Aboriginal Studies	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013102	Introduction to Language	6cp
013971	Teaching and Learning Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013148	Initiatives in Aboriginal Education	6cp
		Total 66cp

MAJ09373 Aboriginal Studies and Community Adult Education

015189	Facilitating Learning	6cp
015033	Programming for Community Learning	6cp
015144	Education and Cultural Diversity	6cp
015012	International Perspectives on Adult Education	6cp
		Total 96cp

MAJ09380 Latino USA

With a population of some 307 million and composed of 50 states, the United States of America is the third-largest nation in terms of size and population in the world. It is the only 20th century superpower to enter the 21st century with its power intact and still boasts the world's largest national economy, the strongest military and extraordinary cultural influence on a global level. The capital is Washington DC and its two biggest and most cosmopolitan cities are New York on the east coast, and Los Angeles on the west coast. Absorbing wave after wave of migrants from all over the world since the original 13 American colonies broke with Great Britain in 1776, the USA is one of the most culturally and racially diverse of nations. This fact, however, has not translated into multicultural harmony, with many members of the nation's African-American, Native American and Latino (Hispanic) populations continuing to experience racism, discrimination and socioeconomic marginalisation, despite the profound impact these groups have had on US culture, politics and society.

The Latino USA major is based on the premises that the USA is one of the world's largest Spanish-speaking countries, and that latinisation is inexorably transforming the USA, and hence Australia's understanding of that country. Already in many cities, Spanish has joined English as a de facto second language and, in some parts of the USA, Spanish has or is approaching majority status. The Latino population of the USA currently stands at some 50 million, a figure that does not include so-called illegal residents, estimated at between 12 and 15 million people, or the four million residents of Puerto Rico. It is estimated that by 2050, Latinos will comprise more than 25 per cent of the US population. Most observers posit that Latinos will be a majority in their own right by the end of the 21st century.

The Latino USA major is designed for students to learn about and experience first hand the demographic, cultural, linguistic, socioeconomic and political processes of latinisation in the USA. The major prepares students for understanding how those latinising processes will transform the USA, and how other parts of the world regard and relate to that country. Students who select this major take advantage of the current demographic, political, socioeconomic, cultural and linguistic transformation of the USA, giving them important skills for any professional area conducted in the Pacific region. The Latino USA major allows students to learn Spanish, to learn about the history and cultures of the USA's heterogeneous Latino sectors, and to spend an academic year of study at universities in parts of the USA with large Latino populations. This major focuses on the 'core' and longest-established Latino sectors: Chicanos and Mexican-Americans, the largest Latino population and the one swelled by continuing mass migration from Mexico; US-resident Puerto Ricans; and Cuban-Americans. But the major also provides space for deeper understanding of other significant Latino communities.

Students spend two consecutive semesters studying Spanish language and Latino cultures at one of the sites below through arrangements made by UTS: International Studies. The sites are located in areas of the USA with substantial Latino populations, thus enabling international studies students to speak Spanish on a daily basis and to undertake research projects based on and in Latino communities.

- San Diego State University
- University of Arizona, Tucson
- University of Texas at El Paso
- University of Miami, Florida.

Students are assessed separately each semester, based on subjects undertaken at the host institutions, as well as assessments administered by UTS: International Studies.

Due to current exchange rates students may expect that greater costs are incurred through undertaking a period of in-country study in the USA than are involved in living away from home in Sydney.

Semester dates

- Semester 1: early January to mid-May (US Spring semester)
- Semester 2: early August to mid-December (US Fall semester)

Locations

San Diego, California

Located in the southwest corner of California on the US-Mexico border and faced by the Mexican city of Tijuana, San Diego is the seventh largest city in the USA with a population of 1.3 million, and a greater metropolitan population of three million. Its Latino population is around 30 per cent of the total. Some 195 kilometres south of Los Angeles, San Diego has long served as a point of cultural transition between California and Mexico. The city's coastal location means that residents have ready access to a string of fine beaches and some of the best surfing on the US west coast. The climate is mild, daytime temperatures rarely straying over 30 degrees in summer or dropping below 20 in the winter.

San Diego State University (SDSU) is the largest university in San Diego and the third largest in California. SDSU is home to nearly 33,000 students and approximately 6400 academic faculty and administrative staff. The main SDSU campus is located in a Mexican-American stronghold, and is connected by regular buses to downtown San Diego, the trip taking approximately half an hour. The campus is compact, most of its streets have Aztec/Náhuatl names, and the buildings are in a fetching neo-Spanish colonial style, surrounded by impressive cactus gardens and lush landscaping. Another campus is located 160 kilometres to the east at El Centro, a migrant feeder town on the California-Mexico border whose population is predominantly Spanish-speaking. SDSU offers undergraduate programs at both campuses in Arts and Letters (Humanities), Business Administration, Education, Engineering, Health and Human Services, Professional Studies and Fine Arts (this faculty includes journalism, tourism, TV/media production, communication, art, design and art history) and the Sciences.

In-country study students and students on exchange have the option of studying at either campus. If based at the main campus, students undertake subjects in Spanish language and culture and Latino and border studies, and may take classes at one of two Mexican universities located across the border in Tijuana in consultation with SDSU teaching staff and the in-country study major coordinator approval. Students based at El Centro undertake the same academic program, but also have a social awareness program built into their academic studies.

In-country study students (Latino USA major) and general exchange students must have a credit average or above to apply. This program is not open to MBA students. Note that there are different requirements for in-country study and exchange students in terms of their study programs at SDSU.

www.sdsu.edu

Tucson, Arizona

Arizona, Tucson, is a thriving desert city of some 525,000 people, and a greater county population of one million, in the south of Arizona, some 100km from the US-Mexico border and the twin cities of Nogales. Bounded by four groups of mountains, Tucson is located in one of the most spectacular desert environments in the USA, home to a huge range of cacti. Given its border and desert location, Tucson has also been one of the most significant US settings for contact and interaction between Anglo-Americans, indigenous peoples and Mexicans. The Tohono O'odham and the Yaqui nations have a significant presence in the city and in nearby reservations. The Latino population of Tucson is around 40 per cent and growing steadily.

UTS students who select the University of Arizona, Tucson for in-country study, undertake classes in Spanish language and Latino, Chicano and Border studies in both semesters of in-country study. Exchange students select subjects in their professional degree area with the approval of their faculty. The University of Arizona is a university with over 34,000 students. It is one of the top ranked research universities in the USA. The main campus of the University of Arizona is located in the heart of Tucson. UA has 18 colleges and 12 schools, which cover such disciplines as humanities, fine arts,

agriculture and life sciences, architecture, planning and landscape architecture, education, engineering and mines, pharmacy, public health, science, and social and behavioral sciences. In-country study students undertake subjects in Spanish language and culture, and US Latino studies.

www.arizona.edu

El Paso, Texas

Located on the US-Mexico border at the conjunction of the US states of New Mexico and Texas, and surrounded by the Chihuahuan Desert, El Paso is a thriving border city with a population of some 610,000. Latinos, mostly Mexican American, comprise 80 per cent of the city total, and Spanish is the city's dominant language. Across the Rio Grande (Rio Bravo del Norte) lies the Mexican city of Ciudad Juárez, which has a population of some 1.6 million. Together the two cities form a vast border-straddling metropolis.

UTS students who select the University of Texas at El Paso (UTEP) for in-country study, undertake classes in Spanish language and Latino, Chicano and Border studies in both semesters of in-country study. Exchange students select subjects in their professional degree area with the approval of their faculty. UTEP is the second largest university in the vast University of Texas system. UTEP is a state-run university whose teaching and research program elides neatly with that of UTS. UTEP emphasises professional education, public outreach and the internationalistion of its students' learning experiences. Given its location on the border with Mexico, and in a city that is 75 per cent Mexican American, UTEP also has the highest percentage of Mexican American students of any US university (72 per cent, plus 10 per cent Mexican nationals). UTEP is nationally recognised for its innovative teaching methods and programs designed to help students succeed, and for its vigorous programs of community outreach on both sides of the US-Mexico border. UTEP has some 19,000 students (18 per cent of whom are at graduate level); 82 per cent come from El Paso county (the second poorest county in the USA) and 55 per cent of all students are women. Approximately 58 per cent of UTEP's students are first-generation college students.

www.utep.edu

Miami, Florida

One of the most cosmopolitan and latinised cities in the United States, Miami has a population of 425,000, and its surrounding metropolitan area, the Miami-Dade Metropolitan Area, has an overall population of 5.4 million people, making it the fourth largest urban area in the USA after New York City, Los Angeles and Chicago. On the edge of the famous Florida everglades, and straddling a series of lagoons and islands, fast-paced Miami has also become one of the financial and economic powerhouses of the US south-east. The city's proximity to the islands of the Caribbean has also made it a first port of call for the region's refugees and exiles; aside from the substantial Cuban-American community that started arriving en masse after the Cuban Revolution in 1959, the city also boasts large Nicaraguan, Haitian, Dominican, Honduran and Colombian populations. Latinos (Hispanics) make up 67 per cent of the total population, with the Cuban-American community alone representing 34 per cent of the total. These figures are predicted to increase dramatically over the next few decades. Spanish does not simply rival English; it is the city's first language.

UTS students who select the University of Miami for in-country study undertake classes in Spanish language and Latino studies in both semesters of in-country study. Exchange students select subjects in their professional degree area with the approval of their faculty. The University of Miami is a private university and one of the largest in south-eastern United States. The main campus is located on 260 acres of tropical vegetation in the City of Coral Gables, a suburb just south of Miami. The university's 13 colleges and schools offer study programs at all levels. While the Coral Gables campus houses nine schools and two colleges, the university has other specialist campuses and schools in downtown Miami, Virginia Key and Biscayne Bay. The university also maintains the Koubek Center in Little Havana, which offers a range of study programs in Spanish language and Latino culture. Other notable centres include the Center for Latin American Studies, and the Institute for Cuban and Cuban-American Studies.

www.miami.edu

Completion requirements

976001	Foundations in International Studies	8cp
976502	Contemporary Latin(o) Americas	8cp
977620	In-country Study 1: Latino USA	24cp
978620	In-country Study 2: Latino USA	24cp
CBK90484	Spanish Language and Culture	32cp
		Total 96cp

MAJ09381 International Trade Law

Select 30 credit points from the following options: 30cp

77746	Advanced Mediation	6cp
77903	Copyright Law	6cp
79771	Dispute Resolution	6cp
77704	European Union Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77701	International Economic Law (PG)	6cp
78011	International Sale of Goods	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
77745	Negotiation	6cp
78023	International Trade Law and the Environment	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78026	Business and Law in China	6cp
76008	Jurisprudence	6cp
76005	Islamic Law	6cp
77893	Designs Law and Practice	6cp
78141	International and Comparative Family Law	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78182	Human Rights Law	6cp
78010	International Criminal Law	6cp
		Total 30cp

MAJ09382 International Law

Select 30 credit points from the following options: 30cp

77704	European Union Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
78010	International Criminal Law	6cp
77701	International Economic Law (PG)	6cp
77794	International Environmental Law	6cp
78016	International Humanitarian Law	6cp
78011	International Sale of Goods	6cp
77716	International Trade Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78023	International Trade Law and the Environment	6cp
76008	Jurisprudence	6cp
76002	Sports Law	6cp
76005	Islamic Law	6cp
78021	Contemporary Issues in Constitutional Law	6cp
78041	New Families, New Technologies	6cp
78145	Contemporary Issues in Health Law	6cp
78147	Dilemmas in Biomedical Law	6cp
78150	Law and Mental Health	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78164	Law and Regulation	6cp
78166	Media and Entertainment Law and Regulation	6cp
78178	Telecommunications Law and Regulations	6cp
78180	Converging Media Industries: Regulatory Challenges	6cp
78141	International and Comparative Family Law	6cp
78026	Business and Law in China	6cp
78182	Human Rights Law	6cp
78105	Genetics and the Law	6cp
78107	Climate Law and Carbon Markets	6cp
78126	Corporate Governance	6cp
78201	International Development Law	6cp
		Total 30cp

MAJ09383 Commercial Law

Select 30 credit points from the following options: 30cp

76047	Advanced Contracts	6cp
77945	Current Issues in Taxation	6cp
77715	Banking Law	6cp
77752	Commercial Arbitration (Domestic)	6cp
77761	Dispute Resolution in Commerce	6cp
77900	Goods and Services Tax	6cp
77930	Insurance Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77701	International Economic Law (PG)	6cp
78011	International Sale of Goods	6cp
77953	International Taxation Law	6cp
77716	International Trade Law	6cp
77901	Securities Markets Law	6cp
77767	Taxation Administration	6cp
77796	Taxation of Business Entities	6cp
77924	Superannuation and Retirement Planning	6cp
78026	Business and Law in China	6cp
78042	Environmental Planning and Development Law	6cp
78040	The Law and Education	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
76002	Sports Law	6cp
76069	Community Justice Studies	6cp
77893	Designs Law and Practice	6cp
78021	Contemporary Issues in Constitutional Law	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78181	Deceptive Trade Practices	6cp
78107	Climate Law and Carbon Markets	6cp
77792	Crisis Negotiation	6cp
78173	Dispute Resolution in Civil Practice	6cp
78029	Mediation Practice	6cp
77745	Negotiation	6cp
77867	Workplace Dispute Resolution	6cp
78206	International Organisations	6cp
78209	Taxation of Commercial Enterprises	6cp
		Total 30cp

MAJ09384 Industrial and Intellectual Property Law

Select 30 credit points from the following options: 30cp

77903	Copyright Law	6cp
77893	Designs Law and Practice	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77898	Patent Law	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
76008	Jurisprudence	6cp
76069	Community Justice Studies	6cp
77976	World Trade Organisation Law and Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78188	Intellectual Property Commercialisation	6cp
77891	Patent Systems	6cp
78184	Intellectual Property: Law and Policy	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
		Total 30cp

MAJ09385 Family Law

Select 30 credit points from the following options: 30cp

77746	Advanced Mediation	6cp
79771	Dispute Resolution	6cp
77760	Family Dispute Resolution	6cp
77745	Negotiation	6cp
78041	New Families, New Technologies	6cp
78040	The Law and Education	6cp
76008	Jurisprudence	6cp
76005	Islamic Law	6cp
78129	Child Law in Australia	6cp
78131	Complex Parenting Disputes	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
78135	Current Issues in Family Law	6cp
78138	Facilitation	6cp
78141	International and Comparative Family Law	6cp
77850	Psychology and Dispute Resolution	6cp
78029	Mediation Practice	6cp
77761	Dispute Resolution in Commerce	6cp
77792	Crisis Negotiation	6cp
		Total 30cp

MAJ09386 Dispute Resolution Law

Select 30 credit points from the following options: 30cp

77746	Advanced Mediation	6cp
77752	Commercial Arbitration (Domestic)	6cp
77792	Crisis Negotiation	6cp
79771	Dispute Resolution	6cp
77761	Dispute Resolution in Commerce	6cp
77760	Family Dispute Resolution	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77745	Negotiation	6cp
77850	Psychology and Dispute Resolution	6cp
77867	Workplace Dispute Resolution	6cp
78029	Mediation Practice	6cp
76008	Jurisprudence	6cp
78173	Dispute Resolution in Civil Practice	6cp
78138	Facilitation	6cp
78129	Child Law in Australia	6cp
78135	Current Issues in Family Law	6cp
78041	New Families, New Technologies	6cp
78131	Complex Parenting Disputes	6cp
78141	International and Comparative Family Law	6cp
78133	Complex Financial and Property Disputes (in Family Law)	6cp
		Total 30cp

MAJ09387 Information Technology Law

Select 30 credit points from the following options: 30cp

77903	Copyright Law	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
78015	Global Aspects of Intellectual Property Law	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
76008	Jurisprudence	6cp
76069	Community Justice Studies	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
		Total 30cp

MAJ09388 Commercial Law

Select 30 credit points from the following options: 30cp

77701	International Economic Law (PG)	6cp
77715	Banking Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77752	Commercial Arbitration (Domestic)	6cp
77761	Dispute Resolution in Commerce	6cp
77767	Taxation Administration	6cp
77783	International Commercial Dispute Resolution	6cp
77796	Taxation of Business Entities	6cp
77900	Goods and Services Tax	6cp
77901	Securities Markets Law	6cp
77924	Superannuation and Retirement Planning	6cp
77945	Current Issues in Taxation	6cp
77953	International Taxation Law	6cp
78011	International Sale of Goods	6cp
78026	Business and Law in China	6cp
76008	Jurisprudence	6cp
76024	Environmental Law	6cp
76053	Industrial Law	6cp
76115	Insolvency	6cp
76212	Revenue Law	6cp
78040	The Law and Education	6cp

78042	Environmental Planning and Development Law	6cp
77893	Designs Law and Practice	6cp
78039	Wickedness and Vice	6cp
78041	New Families, New Technologies	6cp
78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78126	Corporate Governance	6cp
78181	Deceptive Trade Practices	6cp
77792	Crisis Negotiation	6cp
78173	Dispute Resolution in Civil Practice	6cp
78107	Climate Law and Carbon Markets	6cp
77867	Workplace Dispute Resolution	6cp
78206	International Organisations	6cp
		Total 30cp

MAJ09389 International Trade Law

Select 30 credit points from the following options: 30cp

77701	International Economic Law (PG)	6cp
77704	European Union Law	6cp
77716	International Trade Law	6cp
77724	International Banking and Finance Law	6cp
77745	Negotiation	6cp
77746	Advanced Mediation	6cp
77751	International Commercial Arbitration	6cp
77783	International Commercial Dispute Resolution	6cp
77903	Copyright Law	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78011	International Sale of Goods	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78023	International Trade Law and the Environment	6cp
79771	Dispute Resolution	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
78026	Business and Law in China	6cp
76008	Jurisprudence	6cp
77893	Designs Law and Practice	6cp
78141	International and Comparative Family Law	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78182	Human Rights Law	6cp
78010	International Criminal Law	6cp
		Total 30cp

MAJ09390 Corporate and Commercial Law

Note: This major is only available to students enrolled in the Master of Laws (C04143) (see page 382) and the Doctor of Juridical Science (C02027).

Market crashes and corporate collapses. The rise of multinationals wielding global influence and yet too often hitting the headlines, accused of scandal and questionable ethics. These are challenging times for corporate and commercial law. Imbued with a distinctively international focus, this specialisation explores and critiques current controversies, advances a deeper understanding of law and emphasises improvement in regulation, policy and practice.

Completion requirements

Select 24 credit points from the following options: 24cp

78111	Banking and Finance Law	6cp
78113	Securities Regulation	6cp
78122	Corporate Insolvency	6cp
78181	Deceptive Trade Practices	6cp
77930	Insurance Law	6cp
78101	Postgraduate Legal Research	6cp
78209	Taxation of Commercial Enterprises	6cp
78216	Competition Law in a Global Context	6cp
78227	Financial Services Law and Compliance in Australia	6cp
78220	Commercial Equity	6cp
78214	Finance Law	6cp
77724	International Banking and Finance Law	6cp
77783	International Commercial Dispute Resolution	6cp
78126	Corporate Governance	6cp
76050	Commercial Trade and Transport Law	6cp
76055	Mining Law and Regulation	6cp
		Total 24cp

MAJ09392 International Law

Note: This major is only available to students enrolled in the Master of Laws (C04143) (see page 382).

International Law allows students to delve into the ideals and lapsed promises of human rights, interrogate the effectiveness of existing financial market regulation, or explore the inner-workings of international criminal courts or cross-border intellectual property law. Discrete areas of law in their own right, these subjects are united in their global scope and affect. The subjects offered in the international law specialisation provide students with transnational expertise.

Completion requirements

70106	Principles of Public International Law	6cp
Select 18 credit points from the following options:		18cp
78101	Postgraduate Legal Research	6cp
78182	Human Rights Law	6cp
78153	International Commercial Transactions	6cp
78010	International Criminal Law	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78201	International Development Law	6cp
78023	International Trade Law and the Environment	6cp
78216	Competition Law in a Global Context	6cp
77783	International Commercial Dispute Resolution	6cp
78016	International Humanitarian Law	6cp
78008	Law of the Sea	6cp
		Total 24cp

MAJ09395 Social Inquiry

58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58124	Local Transformations	8cp
58218	Ideology, Beliefs and Visions	8cp
58219	Policy and Advocacy	8cp
58314	Social Inquiry Placement	8cp
		Total 48cp

MAJ09396 Aboriginal Studies and Language, Literacy and Numeracy

013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013103	Issues in Aboriginal Education	6cp
013088	Educational Management	6cp
013082	Aboriginal Social and Political History	6cp
013081	Aboriginal Studies Project	6cp
013981	Teaching Aboriginal Studies	6cp
013149	The Language Literacy and Numeracy Learner	6cp
013102	Introduction to Language	6cp
013971	Teaching and Learning Numeracy	6cp
013118	Teaching and Learning Literacy	6cp
013148	Initiatives in Aboriginal Education	6cp
010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
		Total 78cp

MAJ09397 Language, Literacy and Numeracy

013118	Teaching and Learning Literacy	6cp
013102	Introduction to Language	6cp
013110	Programming and Assessment in Language Literacy and Numeracy	6cp
013971	Teaching and Learning Numeracy	6cp
013149	The Language Literacy and Numeracy Learner	6cp
010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013958	Language Teaching Methodology	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
013831	Maths for Numeracy Teachers	6cp
CBK90414	Options (Language, Literacy and Numeracy major)	18cp
		Total 78cp

MAJ09398 Vocational Education

CBK90552	Options (Vocational Education)	48cp
013088	Educational Management	6cp
013966	e-Learning Experiences	6cp
013152	Individual Difference and Vocational Education Teaching	6cp
010072	Professional Practice 1 Vocational Education and Training	6cp
010073	Professional Practice 2 Vocational Education and Training	6cp
		Total 78cp

MAJ09399 Legal Studies

70108	Public International Law		6cp
70110	Introduction to Law		6cp
Select 36 credit points from the following options:			36cp
76003	Asian Law and Legal Systems	6cp	
76005	Islamic Law	6cp	
76007	International Human Rights Law	6cp	
76008	Jurisprudence	6cp	
76068	Indigenous Peoples and the Law	6cp	
77704	European Union Law	6cp	
77794	International Environmental Law	6cp	
78008	Law of the Sea	6cp	
78016	International Humanitarian Law	6cp	
76009	Introduction to Chinese Business Law	6cp	
76013	World Trade Law	6cp	
76001	Comparative Law	6cp	
79603	International Business Transactions and the Law	6cp	
76903	International Commercial Transactions	6cp	
76048	Citizenship and Immigration Law	6cp	
78013	Refugee Law and Practice	6cp	
76034	Law of Slavery and Human Trafficking	6cp	
			Total 48cp

MAJ09400 Intellectual Property

Note: This major is only available to students enrolled in the Master of Laws (C04143) (see page 382) and the Doctor of Juridical Science (C02027).

The rise of the information economy - the age of ideas - has created new areas of law to keep pace. Intellectual Property covers the broad canvas of such rights, including trademarks, patents, designs and copyrights, as well as issues of infringement. As a rapidly developing area of law, this specialisation offers students both a critical grounding in the foundations of intellectual property and an examination of key tensions - such as piracy, infringement and international trade agreements, and how indigenous rights are weighed against commercial interests of major pharmaceuticals.

Note: Many of the subjects in this major are taught by distance only. International students should be aware that their visa may require them to enrol in at least 75 per cent of subjects via face-to-face teaching.

Completion requirements

Select 24 credit points from the following options:			24cp
77898	Patent Law	6cp	
77891	Patent Systems	6cp	
77889	Trade Marks Law	6cp	
77890	Trade Marks Practice	6cp	
77893	Designs Law and Practice	6cp	
77903	Copyright Law	6cp	
78101	Postgraduate Legal Research	6cp	
78188	Intellectual Property Commercialisation	6cp	
78184	Intellectual Property: Law and Policy	6cp	
78186	Intellectual Property and Traditional Knowledge	6cp	
78015	Global Aspects of Intellectual Property Law	6cp	
78238	History and Theory of Intellectual Property	6cp	
78212	Communications and Technology: A Primer	6cp	
			Total 24cp

MAJ09401 Business Law

The Business Law major introduces students to legal issues that impact upon the business sector. This major builds upon introductory law subjects and gives students the opportunity to study a range of subjects that assist their careers.

Completion requirements

Select 48 credit points from the following options:			48cp
STM90558	Law for Business	48cp	
STM90559	Foundations of Law stream	48cp	
			Total 48cp

MAJ09402 Extended Economics

Knowledge of both theoretical and applied aspects of economics provides students with a strong basis for understanding economic behaviour and for evaluating economic policy. This major provides the opportunity to obtain a more extensive knowledge of economics and its fields.

Subjects in the extended economics major address a wide range of economic problems and analytical techniques.

Students intending to apply for the honours program in economics should enrol in either 23592 Game Theory, 23565 Mathematics for Economics and Business and/or 23572 Applied Microeconometrics as optional subjects.

Anti-requisites: MAJ09209 Economics, SMJ09028 Economics

Completion requirements

23566	Economics for Business 2		6cp
23592	Game Theory		6cp
23567	Intermediate Microeconomics		6cp
23568	Intermediate Macroeconomics		6cp
23571	Introductory Econometrics		6cp
23580	The Global Economy (Capstone)		6cp
Select 36 credit points from the following options:			36cp
23021	Labour Economics	6cp	
23022	Public Economics	6cp	
23304	Asian-Australian Economics Relations	6cp	
23418	Economics of Money and Finance	6cp	
23623	Alternative Perspectives in Contemporary Economics	6cp	
23569	Economic Growth and Development	6cp	
23570	Economics of the Environment	6cp	
23572	Applied Microeconometrics	6cp	
23565	Mathematics for Economics and Business	6cp	
23593	Industrial Organisation	6cp	
23591	Economics of Law	6cp	
23999	Business Internship	6cp	
			Total 72cp

MAJ09403 Corporate and Commercial Law

Select 24 credit points from the following options:			24cp
77930	Insurance Law	6cp	
78111	Banking and Finance Law	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
78113	Securities Regulation	6cp	
78122	Corporate Insolvency	6cp	
78126	Corporate Governance	6cp	
78181	Deceptive Trade Practices	6cp	
77745	Negotiation	6cp	
77761	Dispute Resolution in Commerce	6cp	
78101	Postgraduate Legal Research	6cp	
78026	Business and Law in China	6cp	
77792	Crisis Negotiation	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
77867	Workplace Dispute Resolution	6cp	
78029	Mediation Practice	6cp	
78107	Climate Law and Carbon Markets	6cp	
78206	International Organisations	6cp	
78209	Taxation of Commercial Enterprises	6cp	
78216	Competition Law in a Global Context	6cp	
78227	Financial Services Law and Compliance in Australia	6cp	
78220	Commercial Equity	6cp	
78214	Finance Law	6cp	
			Total 24cp

MAJ09405 International Law

Select 24 credit points from the following options:			24cp
78010	International Criminal Law	6cp	
78015	Global Aspects of Intellectual Property Law	6cp	
78153	International Commercial Transactions	6cp	
78158	Private International Law	6cp	
78201	International Development Law	6cp	
78101	Postgraduate Legal Research	6cp	
78182	Human Rights Law	6cp	

78156	International Environmental Law: Policy and Implementation	6cp
78026	Business and Law in China	6cp
78141	International and Comparative Family Law	6cp
78107	Climate Law and Carbon Markets	6cp
78126	Corporate Governance	6cp
78216	Competition Law in a Global Context	6cp
78222	Law of Slavery and Human Trafficking	6cp
78214	Finance Law	6cp
78023	International Trade Law and the Environment	6cp
		Total 24cp

MAJ09406 Intellectual Property

Select 24 credit points from the following options: 24cp

78184	Intellectual Property: Law and Policy	6cp
77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77893	Designs Law and Practice	6cp
77898	Patent Law	6cp
77903	Copyright Law	6cp
78186	Intellectual Property and Traditional Knowledge	6cp
78188	Intellectual Property Commercialisation	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78101	Postgraduate Legal Research	6cp
77891	Patent Systems	6cp
		Total 24cp

MAJ09409 Colombia

Colombia is one of the most fascinating, culturally and biologically diverse countries in Latin America and is located in the north-west of the South American continent close to Panama. It has a population of over 46 million people. It was originally the centre of Gran Colombia, a post-independence confederation of Colombia, Venezuela, Panama, and Ecuador. Colombia is bordered to the northwest by Panama; to the north by the Caribbean Sea; to the east by Venezuela and Brazil; to the south by Ecuador and Peru; and to the west by the Pacific Ocean. It has a vast range of climatic conditions, from the snow-capped Andes and volcanoes, to the Amazonian jungle, the Guajira desert and fertile savannahs. Bogotá is the capital of Colombia and is located in the centre of the country at an elevation of about 2650m (8660ft) above sea level on a mountain rimmed savannah high in the Cordillera Oriental of the Andes Mountains. This gives it constant spring like weather. It was founded in 1538 by the Spanish conquistador Gonzalo Jiménez de Quesada. The new city became the vice-regal capital of New Granada in 1717. It was captured by Simón Bolívar in 1819 and was the capital of the independent nation of Great Colombia. Bogotanos preserve and cherish their churches, convents, homes (built in the ornate Spanish colonial style) and these influences are still visible. Bogotanos pride themselves on claiming their city as the Athens of South America and the city is Colombia's largest financial, political, cultural and educational centre. Its 7.3 million inhabitants include a multitude of immigrants from all over the world, which makes the capital a true microcosm of the nation. Modern highrises and skyscrapers contrast with old houses of colonial and republican architecture. Bogotá offers residents and visitors everything that a modem city can give. Cultural activities abound and its enormous selection of restaurants, bars and nightclubs offers all kinds of food and entertainment. Industries include printing and publishing, motor vehicle assembly, food processing, and the manufacture of beverages, textiles, metals goods, machinery, and electrical equipment. Many banks and corporations maintain their headquarters in the city. Railroads and highways, including the Pan-American Highway, link the city with other major centres.

Locations

Bogotá

Universidad de los Andes

The University of the Andes (Universidad de los Andes) is one of Colombia's best public universities, home to approximately 17,000 students. It is located in the centre of the city against the base of the mountains and has handsome views of the city and is close to other major universities. It is a coeducational, nonsectarian private university located in city centre Bogotá, Colombia. The University has nine faculties: Administration, Architecture and Design, Arts and Humanities, Sciences, Social Sciences, Law, Economics, Engineering and Medicine, which offer undergraduate and postgraduate programs; and the Center for Research and Training in Education (CIFE), and the Interdisciplinary Center for Development Studies (CIDER), for postgraduate programs. It is ranked as a top tier university in Latin America, occupying sixth place in the subcontinent according to the QS Times Higher Education classification. The university was founded in 1948 by a group of Colombian intellectuals and was the first university in the country to be nonsectarian, that is, independent of political parties or influence from the state or the church. Today, the University seeks to model itself after major research universities through strategies such as greater focus on graduate education and research.

www.uniandes.edu.co

www.uniandes.edu.co/component/content/article/656-about-uniandes

Academic calendar

- Semester 1: mid-January to early May
- Semester 2: mid-August to late November
- Summer semester: early June to late July

Pontificia Universidad Javeriana

The Pontificia Universidad Javeriana is one of the oldest private universities in Colombia, founded in 1623. Its main facilities are in Bogotá and a second campus in Cali. It has 18 schools comprising 61 departments and 181 academic programs catering to different areas of knowledge, giving the university its multidisciplinary nature. The Javeriana University in Cali offers 18 schools in four different faculties. It is located in Pance in Southern Cali and is considered to be a very prestigious university. The Javieriana has a Latin American Centre, which teaches Spanish language and culture classes. These classes are complimentary. The language centre is the oldest such language centre attached to a university in Colombia (established in the 1940s). It includes field trips (coffee plantations, craftwork centres, etc.) as part of its offerings. Students learn the vocabulary associated with the activities at the destination and then put them into practice on the fieldwork trip. The Alfonso Borrero Cabal, S.J. Library is open 24 hours a day during the week. Javeriana's students have the opportunity to participate in internship programs and in social projects, in Bogota or nationwide, where they can apply the acquired knowledge in their field of study. Javeriana University is a research-based University. It is ranked first among private universities in Colombia for having the largest number of refereed journals, and fifth for having the most research groups recognised by the National Agency of Science and Technology for their quality and productivity. The Sport Centre offers over 30 different sports. The University has a student population of 22,000 on its main campus in Bogotá and is easily accessible by public transportation. Javeriana University offers through Centro Atico next generation resources, enhancing the learning experience. Centro Atico is the first communication and information technological resource centre in Latin America for the development of education, sound, image and design. Javeriana University has its own, high quality University Hospital.

www.javeriana.edu.co

www.javeriana.edu.co/facultades/comunicacion_lenguaje/centro_lat/in_center.htm

Universidad de La Sabana, Chía, Bogotá

La Sabana is a private university situated to the north of Bogotá in the satellite city of Chía, a mostly middle-class city with Spanish colonial architecture located in the beautiful dairy cattle country of the Savannah surrounded by the Colombian Andes. The university was founded in 1979. It has recently gone through an ambitious expansion with high-tech buildings (eco-friendly designs) to house ultra-modern radio, TV and journalism courses. The university has an ultra-modern Communication's Media Production Centre. La Sabana specialises in Business/Marketing, Engineering (all types), Medicine (it offers PhDs in Engineering and medicine), Nursing/Physiotherapy/Psychology, Education, Communication/Journalism, Law (especially human rights), and it has a Humanities Institute. The university also has a clinic, a health institution that deals with all medical disciplines and is one of the most important rehabilitation centres in Latin America. The clinic is an important centre for research, teaching and community service. The university currently runs 18 undergraduate programs. There are also 31 specialisation programs and five master's programs: Education, Process Management and Direction, Business Administration, Nursing, and English Language Teaching. La Sabana has a doctoral program in Biosciences. Master's programs in Nursing include Critical Pediatric Care, Rehabilitation Management and School Health.

www.unisabana.edu.co

Completion requirements

976001	Foundations in International Studies	8cp
976502	Contemporary Latin(o) Americas	8cp
977911	In-country Study 1: Colombia	24cp
978911	In-country Study 2: Colombia	24cp
CBK90484	Spanish Language and Culture	32cp
		Total 96cp

MAJ09410 Global Business Law

The world is increasingly becoming interconnected and the legal profession is no exception. Modern lawyers need a global perspective and the Global Business Law major is targeted at students who need to understand how legal issues and legal disputes are dealt with in an international context. This specialisation explores a broad range of important contemporary issues by considering how international law affects domestic legal relations and how legal relationships are regulated internationally.

Completion requirements

Select 24 credit points from the following options:			24cp
78101	Postgraduate Legal Research	6cp	
78026	Business and Law in China	6cp	
78153	International Commercial Transactions	6cp	
78158	Private International Law	6cp	
78206	International Organisations	6cp	
78015	Global Aspects of Intellectual Property Law	6cp	
78188	Intellectual Property Commercialisation	6cp	
78216	Competition Law in a Global Context	6cp	
78023	International Trade Law and the Environment	6cp	
78107	Climate Law and Carbon Markets	6cp	
77751	International Commercial Arbitration	6cp	
77783	International Commercial Dispute Resolution	6cp	
77976	World Trade Organisation Law and Practice	6cp	
77724	International Banking and Finance Law	6cp	
			Total 24cp

MAJ09411 Global Business Law

The world is increasingly interconnected and the legal profession is no exception. Modern lawyers require a global perspective and the Global Business Law major is targeted at students who need to understand how legal issues and legal disputes are dealt with in international contexts. This specialisation explores a broad range of important contemporary issues by considering how international law affects domestic legal relations and how legal relationships are regulated internationally.

Completion requirements

Select 24 credit points from the following options:			24cp
78101	Postgraduate Legal Research	6cp	
78026	Business and Law in China	6cp	
78153	International Commercial Transactions	6cp	
77761	Dispute Resolution in Commerce	6cp	
77792	Crisis Negotiation	6cp	
77745	Negotiation	6cp	
78029	Mediation Practice	6cp	
78107	Climate Law and Carbon Markets	6cp	
78156	International Environmental Law: Policy and Implementation	6cp	
78158	Private International Law	6cp	
78206	International Organisations	6cp	
78015	Global Aspects of Intellectual Property Law	6cp	
78188	Intellectual Property Commercialisation	6cp	
78216	Competition Law in a Global Context	6cp	
			Total 24cp

MAJ09412 China

CBK90487	Chinese Language and Culture	16cp
978136	In-country Study: China	24cp
979510	Contemporary China	8cp
		Total 48cp

MAJ09413 Japan

CBK90488	Japanese Language and Culture	16cp
978140	In-country Study: Japan	24cp
979511	Contemporary Japan	8cp
		Total 48cp

MAJ09414 France

CBK90490	French Language and Culture	16cp
978137	In-country Study: France	24cp
979512	Contemporary France	8cp
		Total 48cp

MAJ09415 Spain

CBK90491	Spanish Language and Culture	16cp
978143	In-country Study: Spain	24cp
979513	Contemporary Spain	8cp
		Total 48cp

MAJ09416 Germany

CBK90492	German Language and Culture	16cp
978138	In-country Study: Germany	24cp
979514	Contemporary Germany	8cp
		Total 48cp

MAJ09417 Italy

CBK90493	Italian Language and Culture	16cp
978139	In-country Study: Italy	24cp
979515	Contemporary Italy	8cp
		Total 48cp

MAJ09418 Canada (Quebec)

CBK90490	French Language and Culture	16cp
978134	In-country Study: Canada	24cp
979516	Contemporary Canada (Quebec)	8cp
		Total 48cp

MAJ09419 Switzerland

979517	Contemporary Switzerland	8cp
978144	In-country Study: Switzerland	24cp
CBK90895	Switzerland options	16cp
		Total 48cp

MAJ09420 Chile

CBK90491	Spanish Language and Culture	16cp
978135	In-country Study: Chile	24cp
979518	Contemporary Latin(o) Americas	8cp
		Total 48cp

MAJ09421 Mexico

CBK90491	Spanish Language and Culture	16cp
978142	In-country Study: Mexico	24cp
979518	Contemporary Latin(o) Americas	8cp
		Total 48cp

MAJ09422 Argentina

CBK90491	Spanish Language and Culture	16cp
978145	In-country Study: Argentina	24cp
979518	Contemporary Latin(o) Americas	8cp
		Total 48cp

MAJ09423 Colombia

CBK90491	Spanish Language and Culture	16cp
978912	In-country Study: Colombia	24cp
979518	Contemporary Latin(o) Americas	8cp
		Total 48cp

MAJ09424 Latin(o) USA

CBK90491	Spanish Language and Culture	16cp
978141	In-country Study: Latino USA	24cp
979518	Contemporary Latin(o) Americas	8cp
		Total 48cp

MAJ09425 Dispute Resolution

Mandatory dispute resolution provisions are increasingly applicable to both private and public transactions and relationships. Dispute resolution practice has become an increasingly mainstream phenomenon with the recent emergence of national accreditation for family dispute resolution practitioners and mediators. The suite of subjects offered in this major reflects the increasing presence of dispute resolution processes and practitioners in the civil, criminal and family law jurisdictions, in the workplace, in commerce and industry, and in domestic and international trade. This specialisation balances the theoretical and procedural aspects of practice as well as exploring the potential and challenges of this developing field.

Completion requirements

79771	Dispute Resolution		6cp
Select 18 credit points from the following options:			18cp
77783	International Commercial Dispute Resolution	6cp	
77746	Advanced Mediation	6cp	
77761	Dispute Resolution in Commerce	6cp	
77760	Family Dispute Resolution	6cp	
78138	Facilitation	6cp	
77850	Psychology and Dispute Resolution	6cp	
78101	Postgraduate Legal Research	6cp	
77792	Crisis Negotiation	6cp	
78029	Mediation Practice	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
77745	Negotiation	6cp	
77867	Workplace Dispute Resolution	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77751	International Commercial Arbitration	6cp	
78247	Collaborative Law	6cp	
			Total 24cp

MAJ09426 Dispute Resolution

79771	Dispute Resolution		6cp
Select 18 credit points from the following options:			18cp
77745	Negotiation	6cp	
78029	Mediation Practice	6cp	
77746	Advanced Mediation	6cp	
77760	Family Dispute Resolution	6cp	
77867	Workplace Dispute Resolution	6cp	
77850	Psychology and Dispute Resolution	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
78138	Facilitation	6cp	
77792	Crisis Negotiation	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77751	International Commercial Arbitration	6cp	
77783	International Commercial Dispute Resolution	6cp	
77751	International Commercial Arbitration	6cp	
			Total 24cp

MAJ09427 Cultural Studies

58332	Defining Cultures	8cp
58333	Introduction to Cultural Research	8cp
58335	Digital Communities	8cp
58334	Research Studio	8cp
58336	Cultural Research Practicum	8cp
58340	Creative Cities, Cultural Communities and Entrepreneurs	8cp
		Total 48cp

MAJ09428 Health and Physical Education

92553	Complex Exercise Management	6cp
92558	Performance Studies 1: Gymnastics and Dance	6cp
92559	Performance Studies 2: Dance and Athletics	6cp
92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
92560	Performance Studies 3: Sport and Aquatics	6cp
CBK90939	Electives	12cp
		Total 48cp

MAJ10006 Children's Art

Free choice of electives.

MAJ10007 Youth Performance Studies

Free choice of electives.

MAJ10012 Science/TAS (Computing)

Free choice of electives.

MAJ10014 Information Design

Select 24 credit points from the following options:			24cp
88913	Visual Information Project	6cp	
88912	Histories of Visual Information Design	6cp	
88911	Design for Visual Information Systems	6cp	
89400	Design Capstone Project	12cp	
			Total 24cp

MAJ10015 Photomedia

Select 24 credit points from the following options:			24cp
88901	Observational Photography	6cp	
88902	Digital Photography	6cp	
88903	Photographic Fabrication	6cp	
88904	Photographic Construction	6cp	
89400	Design Capstone Project	12cp	
			Total 24cp

MAJ10016 Branding Design

Select 24 credit points from the following options:			24cp
88941	Experience Economy	6cp	
88942	Experience Branding	6cp	
88943	Brand Strategy	6cp	
88944	Branding Project	6cp	
89400	Design Capstone Project	12cp	
			Total 24cp

MAJ10017 Digitally Mediated Environments

11401	Digital Master Class A		6cp
11403	Digital Master Class B		6cp
Select 12 credit points from the following options:			12cp
11400	Digital Theory	6cp	
89204	2D Digital Animation	6cp	
89202	3D Digital Animation 1	6cp	
89200	Graphic Visualisation	6cp	
89201	Animation Genres Seminar	6cp	
			Total 24cp

MAJ10018 Animation Design

89204	2D Digital Animation		6cp
89202	3D Digital Animation 1		6cp
89203	3D Digital Animation 2		6cp
Select 6 credit points from the following options:			6cp
89200	Graphic Visualisation	6cp	
89201	Animation Genres Seminar	6cp	
			Total 24cp

MAJ10019 Communication

58101	Understanding Communication		8cp
58102	Language and Discourse		8cp
58103	Ideas in History		8cp
Select 24 credit points from the following options:			24cp
STM90512	Journalism stream	24cp	
STM90514	Public Communication stream	24cp	
STM90516	Social Inquiry stream	24cp	
STM90517	Information and Media stream	24cp	
STM90853	Creative Writing stream	24cp	
STM90854	Cultural Studies stream	24cp	
STM90855	Digital and Social Media stream	24cp	
			Total 48cp

MAJ10020 Journalism

58110	Introduction to Journalism	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
58210	Storytelling, Narrative and Features	8cp
58211	Specialist Reporting, Audiences and Interactivity	8cp
58310	Media Hub	8cp
		Total 48cp

MAJ10021 Media Arts and Production

58113	Exploring Media Arts	8cp
58114	Fictions: Storytelling, Narrative and Drama	8cp
58115	Composing the Real	8cp
58212	Aesthetics	8cp
58213	Research and Practice	8cp
58311	Media Arts Project	8cp
		Total 48cp

MAJ10022 Writing and Cultural Studies

58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
58216	Imagining the Real	8cp
58217	Experiments in Culture	8cp
58313	Writing Laboratory	8cp
		Total 48cp

MAJ10023 Information and Media

58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
58220	Designing for the Web	8cp
58221	Social Informatics	8cp
58315	Managing Digital Information	8cp
		Total 48cp

MAJ10024 Public Communication

58116	The Ecology of Public Communication	8cp
58312	Integrated Communication	8cp
Select 32 credit points from the following options:		32cp
STM90715	Advertising stream	32cp
STM90716	Public Relations stream	32cp
		Total 48cp

MAJ10026 Interactivation

89111	Interactivation Studio: Autumn	12cp
89112	Interactivation Studio: Spring	12cp
89113	Interactivation Studio: Final Project	12cp
		Total 36cp

MAJ10027 Fashion and Textiles Studio

89015	Textile and Fashion Innovation	12cp
89016	Reframing Fashion and Textile Practice	12cp
89017	Fashion and Textiles Entrepreneur	12cp
		Total 36cp

MAJ10028 Design for Change: Sustainability, Design and Creative Futures

89120	Sustainability, Design and Creative Futures: Being Human	12cp
89121	Sustainability, Design and Creative Futures: Spatio-Temporal Shifts	12cp
89122	Sustainability, Design and Creative Futures: Critical Economies	12cp
		Total 36cp

MAJ10029 Experimental Visual Communications

89123	Experimental Visual Communications: Research Through Design	12cp
89124	Experimental Visual Communications: Visualising the Invisible	12cp
89125	Experimental Visual Communications: Final Project	12cp
		Total 36cp

MAJ10030 Global Business Law

This major is designed to have appeal to both local and international students and is based on an appreciation of the requirements of legal practitioners working in overseas law firms, as well as providing people working locally with key concepts of the international framework of business. Students undertaking this major are able to increase their knowledge and understanding in the key areas of international commercial transactions and corporate governance, finance, competition law, intellectual property protection and commercialisation and dispute resolution. Offerings addressing the rise of China's economy assist students in gaining a global perspective and ability to engage with Australia's Asian partners.

Completion requirements

Select 24 credit points from the following options:			24cp
78100	Postgraduate Legal Research	8cp	
78175	Negotiation	8cp	
78118	Business and Law in China	8cp	
78152	International Commercial Transactions	8cp	
78157	Private International Law	8cp	
78124	Dispute Resolution in Commerce	8cp	
78171	Crisis Negotiation	8cp	
78174	Mediation Practice	8cp	
78106	Climate Law and Carbon Markets	8cp	
78155	International Environmental Law: Policy and Implementation	8cp	
78207	International Organisations	8cp	
78183	Global Aspects of Intellectual Property Law	8cp	
78189	Intellectual Property Commercialisation	8cp	
78217	Competition Law in a Global Context	8cp	
			Total 24cp

MAJ10036 Design for Change

Select 36 credit points from the following options:			36cp
89126	Design Studio 1: Human-centred Design	12cp	
89127	Design Studio 2: Social Design Practice/ Critical Reflection	12cp	
89128	Design Studio 3: Resilience and Creative Practice	12cp	
89151	Design for Change: Specific Retail Environments	12cp	
89152	Design for Change: Reinvigorating Retail Precincts	12cp	
89153	Design for Change: Retail Futures	12cp	
			Total 36cp

MAJ10037 Creative Writing

58121	Fictional Forms	8cp
58216	Imagining the Real	8cp
58902	Writing Through Genre	8cp
58313	Writing Laboratory	8cp
58330	Narrative and Theory	8cp
58331	Creative Writing Project	8cp
		Total 48cp

MAJ10038 Digital and Social Media

58214	Media Writing and Production	8cp
58337	Engagement, Participation, Gamification	8cp
58335	Digital Communities	8cp
58338	Representing Complexity	8cp
58339	Digital Futures	8cp
58125	User Experience Design	8cp
		Total 48cp

MAJ10039 Design for Change Studio

Select 24 credit points from the following options:			24cp
85820	Sustainability, Design and Creative Futures: Being Human	12cp	
85821	Sustainability, Design and Creative Futures: Spatio-Temporal Shifts	12cp	
85822	Sustainability, Design and Creative Futures: Critical Economies	12cp	
			Total 24cp

MAJ10040 Fashion and Textile Studio

Select 24 credit points from the following options:			24cp
85823	Textile and Fashion Innovation	12cp	
85824	Reframing Fashion and Textile Practice	12cp	
			Total 24cp

MAJ10041 Experimental Visual Communications Studio

Select 24 credit points from the following options:			24cp
85826	Experimental Visual Communications: Research Through Design	12cp	
85827	Experimental Visual Communications: Visualising the Invisible	12cp	
			Total 24cp

MAJ10042 Interactivation Studio

Select 24 credit points from the following options:			24cp
85833	Interactivation Studio A	12cp	
85834	Interactivation Studio B	12cp	
			Total 24cp

MAJ10043 Game Design Studio

89216	Animation for Game Design Concept Studio	12cp
89217	Animation for Game Design Storytelling and Character	12cp
89218	Animation for Game Design Final Studio	12cp
		Total 36cp

MAJ10044 Film and Video Studio

89213	Animation Design Concept Studio	12cp
89214	Animation Design Storytelling and Character	12cp
89215	Animation Design Final Studio	12cp
		Total 36cp

SUB-MAJORS

SMJ01005 Chemistry

This sub-major provides an appropriate knowledge base for business students who aim to enter chemical or related industries. It is offered at City campus only.

Completion requirements

65111	Chemistry 1		6cp
65212	Chemistry 2		6cp
Select 12 credit points from the following options:			12cp
65202	Organic Chemistry 1	6cp	
65306	Analytical Chemistry 1	6cp	
65307	Physical Chemistry 1	6cp	
65411	Inorganic Chemistry 1	6cp	
65410	Chemical Safety and Legislation	6cp	
		Total 24cp	

SMJ01007 Mathematics

The Mathematics sub-major provides students with an interest in the applications of mathematics with the opportunity to apply this to a business setting.

Completion requirements

35101	Introduction to Linear Dynamical Systems	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35212	Computational Linear Algebra	6cp
35140	Introduction to Quantitative Management	6cp
		Total 24cp

SMJ01009 Statistics

This sub-major focuses on statistical techniques for the analysis of data used in industry and commerce.

Completion requirements

35101	Introduction to Linear Dynamical Systems		6cp
35353	Regression Analysis		6cp
Select 12 credit points from the following options:			12cp
35100	Introduction to Sample Surveys	6cp	
35355	Quality Control	6cp	
35356	Design and Analysis of Experiments	6cp	
35363	Stochastic Models	6cp	
		Total 24cp	

SMJ01010 Electronics and Computer Interfacing

68101	Foundations of Physics	6cp
68201	Physics in Action	6cp
68316	Applied Electronics and Interfacing	6cp
68415	Measurement and Analysis of Physical Processes	6cp
		Total 24cp

SMJ01011 Operations Research

This sub-major is concerned with the application of mathematical techniques to provide decision support for industry and commerce.

Completion requirements

35101	Introduction to Linear Dynamical Systems		6cp
35140	Introduction to Quantitative Management		6cp
35241	Optimisation in Quantitative Management		6cp
Select one of the following:			6cp
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35363	Stochastic Models	6cp	
		Total 24cp	

SMJ01012 Physics

68101	Foundations of Physics		6cp
68201	Physics in Action		6cp
68315	Imaging Science		6cp
Select one of the following:			6cp
68414	Advanced Mechanics	6cp	
68415	Measurement and Analysis of Physical Processes	6cp	
		Total 24cp	

SMJ01025 Quantitative Management

35101	Introduction to Linear Dynamical Systems		6cp
35241	Optimisation in Quantitative Management		6cp
Select 12 credit points from the following options:			12cp
35342	Nonlinear Methods in Quantitative Management	6cp	
35363	Stochastic Models	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35340	Quantitative Management Practice	6cp	
		Total 24cp	

SMJ01026 Quantitative Management

35101	Introduction to Linear Dynamical Systems		6cp
35241	Optimisation in Quantitative Management		6cp
Select 12 credit points from the following options:			12cp
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35340	Quantitative Management Practice	6cp	
		Total 24cp	

SMJ01029 Quantitative Methods

35101	Introduction to Linear Dynamical Systems	6cp
35241	Optimisation in Quantitative Management	6cp
35353	Regression Analysis	6cp
35363	Stochastic Models	6cp
		Total 24cp

SMJ01030 Statistics (Life Sciences)

35101	Introduction to Linear Dynamical Systems		6cp
35353	Regression Analysis		6cp
35356	Design and Analysis of Experiments		6cp
Select 6 credit points from the following options:			6cp
35255	Forensic Statistics	6cp	
35363	Stochastic Models	6cp	
35100	Introduction to Sample Surveys	6cp	
		Total 24cp	

SMJ01031 Statistics (Physical Sciences)

35363	Stochastic Models	6cp
35353	Regression Analysis	6cp
35252	Mathematical Statistics	6cp
35361	Stochastic Processes	6cp
		Total 24cp

SMJ01032 Statistical Modelling

35151	Introduction to Statistics	6cp
35353	Regression Analysis	6cp
Select 12 credit points from the following options:		12cp
35100	Introduction to Sample Surveys	6cp
35355	Quality Control	6cp
35356	Design and Analysis of Experiments	6cp
35363	Stochastic Models	6cp
		Total 24cp

SMJ01043 Business Information Systems Management

Select 24 credit points from the following options:			24cp
31257	Information System Development Methodologies	6cp	
31255	Finance and IT	6cp	
31247	Collaborative Business Processes	6cp	
31245	Business Process and IT Strategy	6cp	
31258	Innovations for Global Relationship Management	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	
		Total 24cp	

SMJ01044 Enterprise Systems Development

48024	Applications Programming		6cp
31260	Interface Design		6cp
Select 12 credit points from the following options:			12cp
31251	Data Structures and Algorithms	6cp	
48440	Software Engineering Practice	6cp	
31253	Database Programming	6cp	
48433	Software Architecture	6cp	
		Total 24cp	

SMJ01045 Internetworking and Applications

31277	Routing and Internetworks		6cp
31275	Mobile Networking		6cp
41900	Fundamentals of Security		6cp
Select 6 credit points from the following options:			6cp
31284	Web Services Development	6cp	
31246	Network Design	6cp	
31283	WANs and Virtual LANs	6cp	
31285	Mobile Applications Development	6cp	
31254	e-Commerce	6cp	
41900	Fundamentals of Security	6cp	
48730	Network Security	6cp	
		Total 24cp	

SMJ01046 Computing and Data Analysis

31250	Introduction to Data Analytics		6cp
31284	Web Services Development		6cp
31259	Intelligent Agents		6cp
Select 6 credit points from the following options:			6cp
35241	Optimisation in Quantitative Management	6cp	
35232	Advanced Calculus	6cp	
35252	Mathematical Statistics	6cp	
35322	Advanced Analysis	6cp	
35335	Mathematical Methods	6cp	
35340	Quantitative Management Practice	6cp	
35342	Nonlinear Methods in Quantitative Management	6cp	
35344	Network and Combinatorial Optimisation	6cp	
35355	Quality Control	6cp	
35356	Design and Analysis of Experiments	6cp	
35361	Stochastic Processes	6cp	
35391	Seminar (Mathematics)	6cp	
35393	Seminar (Statistics)	6cp	
		Total 24cp	

SMJ01048 Environmental Sciences

91110	Experimental Design and Sampling		6cp
91154	Ecology		6cp
91145	Environmental Protection and Management		6cp
Select 6 credit points from the following options:			6cp
91120	GIS and Remote Sensing	6cp	
91121	Aquatic Ecology	6cp	
		Total 24cp	

SMJ02015 Strategic Information Technology

Select 24 credit points from the following options:			24cp
32509	Interaction Design	6cp	
32531	Global Information Systems	6cp	
32536	Advanced Software Modelling	6cp	
32702	Contemporary Telecommunications	6cp	
32208	Information Systems Strategy	6cp	
32148	Enterprise Computing	6cp	
42900	Sustainability and Information Systems	6cp	
		Total 24cp	

SMJ02036 Business Information Systems

This sub-major provides students with theoretical and practical knowledge of the way in which information systems contribute to effective business. The electives provide a closer look at a variety of key aspects of information systems development and use.

Completion requirements

31266	Introduction to Information Systems		6cp
31269	Business Requirements Modelling		6cp
Select 12 credit points from the following options:			12cp
31245	Business Process and IT Strategy	6cp	
31257	Information System Development Methodologies	6cp	
31247	Collaborative Business Processes	6cp	
31258	Innovations for Global Relationship Management	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	
31254	e-Commerce	6cp	
31777	Human-Computer Interaction	6cp	
		Total 24cp	

SMJ02037 Information Technology

This sub-major provides a general understanding of the main aspects of the IT field, from a slightly more technical perspective than SMJ02036. Students gain an appreciation of the complexity of IT development and the many possibilities for future uses of IT in business.

Completion requirements

Select 24 credit points from the following options:			24cp
31266	Introduction to Information Systems	6cp	
31270	Networking Essentials	6cp	
31061	Database Principles	6cp	
31268	Web Systems	6cp	
48023	Programming Fundamentals	6cp	
		Total 24cp	

SMJ02038 Information Technology

This sub-major is designed for students who have an information technology background or a keen interest in information technology. It offers the participant either a platform entry for those with a non-IT background or a more specialised entry for those with an IT background. The innovative programs cover growth areas such as computer graphics and gaming, data mining, e-business technology, human-centred design, interactive multimedia, internetworking and strategic IT management.

The ability to understand both management and technology is increasingly valued by modern enterprises, and as society continues to become more and more technology dependent it is clear those who have effective knowledge and can manage technology are well suited for leadership positions; via this sub-major participants have the opportunity to acquire knowledge, strategies and skills that cover the applications and management of technology.

Completion requirements

Select one of the following:			24cp
STM90695	Core subjects	24cp	
CBK90802	Choice	24cp	
		Total 24cp	

SMJ02039 Computer Graphics and Animation

31264	Introduction to Computer Graphics		6cp
Select 18 credit points from the following options:			18cp
31262	Introduction to Computer Game Design	6cp	
31263	Introduction to Computer Game Programming	6cp	
31248	Computer Graphics Project	6cp	
31241	3D Computer Animation	6cp	
31249	Computer Graphics Rendering Techniques	6cp	
		Total 24cp	

SMJ02040 Software Engineering

Select 24 credit points from the following options:			24cp
31030	Project	6cp	
31005	Advanced Data Analytics	6cp	
31250	Introduction to Data Analytics	6cp	
31253	Database Programming	6cp	
31259	Intelligent Agents	6cp	
		Total 24cp	

SMJ02043 Internetworking

31283	WANs and Virtual LANs	6cp
31246	Network Design	6cp
48730	Network Security	6cp
31274	Network Management	6cp
	Total 24cp	

SMJ02044 Mobile Computing

CBK90746	Mobile Computing Network choice		6cp
31285	Mobile Applications Development		6cp
Select 12 credit points from the following options:			12cp
31091	Mobile Computing Project	6cp	
48730	Network Security	6cp	
31275	Mobile Networking	6cp	
		Total 24cp	

SMJ02045 Applications Development

31257	Information System Development Methodologies		6cp
Select 18 credit points from the following options:			18cp
31927	Application Development with .NET	6cp	
31335	Extreme Programming	6cp	
31777	Human-Computer Interaction	6cp	
31100	Enterprise Development with .NET	6cp	
31030	Project	6cp	
41889	Application Development in the iOS Environment	6cp	
			Total 24cp

SMJ02047 IT Management

31735	Information Systems and Organisation Development		6cp
31245	Business Process and IT Strategy		6cp
Select 12 credit points from the following options:			12cp
31096	Managing Client/Vendor Relations	6cp	
31097	IT Operations Management	6cp	
31950	Networked Enterprise Design	6cp	
31777	Human-Computer Interaction	6cp	
31030	Project	6cp	
			Total 24cp

SMJ02054 Scientific Computing

35363	Stochastic Models		6cp
35212	Computational Linear Algebra		6cp
35383	High Performance Computing		6cp
Select 6 credit points from the following options:			6cp
35231	Differential Equations	6cp	
48023	Programming Fundamentals	6cp	
			Total 24cp

SMJ02057 Scientific Computing

35212	Computational Linear Algebra		6cp
35383	High Performance Computing		6cp
Select 12 credit points from the following options:			12cp
35111	Applications of Discrete Mathematics	6cp	
35140	Introduction to Quantitative Management	6cp	
35101	Introduction to Linear Dynamical Systems	6cp	
35102	Introduction to Analysis and Multivariable Calculus	6cp	
35231	Differential Equations	6cp	
35151	Introduction to Statistics	6cp	
35363	Stochastic Models	6cp	
			Total 24cp

SMJ02059 Information Technology

Select 24 credit points from the following options:			24cp
31266	Introduction to Information Systems	6cp	
31268	Web Systems	6cp	
31269	Business Requirements Modelling	6cp	
31270	Networking Essentials	6cp	
31271	Database Fundamentals	6cp	
31284	Web Services Development	6cp	
48023	Programming Fundamentals	6cp	
48024	Applications Programming	6cp	
			Total 24cp

SMJ02064 Business Information Systems Management

In the Business Information Systems Management sub-major students undertake 24 credit points from the corresponding major (MAJ02080).

Completion requirements

Select 24 credit points from the following options:			24cp
31245	Business Process and IT Strategy	6cp	
31257	Information System Development Methodologies	6cp	
31247	Collaborative Business Processes	6cp	
31258	Innovations for Global Relationship Management	6cp	
31255	Finance and IT	6cp	
31276	Networked Enterprise Architecture	6cp	
31282	Systems Testing and Quality Management	6cp	
31097	IT Operations Management	6cp	
			Total 24cp

SMJ02065 Data Analytics

In this sub-major students undertake 24 credit points from the corresponding major (MAJ02081).

Completion requirements

35151	Introduction to Statistics		6cp
31250	Introduction to Data Analytics		6cp
Select 12 credit points from the following options:			12cp
31000	e-Business Trading	6cp	
31259	Intelligent Agents	6cp	
31256	Image Processing and Pattern Recognition	6cp	
31005	Advanced Data Analytics	6cp	
31050	Programming with Patterns	6cp	
31075	Object-relational Databases	6cp	
32146	Data Visualisation and Visual Analytics	6cp	
			Total 24cp

SMJ02066 Computer Graphics and Animation

The subjects in this sub-major provide the theoretical and practical knowledge that is required to understand and build modern 3D computer graphics applications. This knowledge is applied to building a ray tracer, producing a 3D computer animation and carrying out a computer graphics project. The project can be in any area of graphics; a popular topic recently has been to build a real time renderer using OpenGL.

Completion requirements

31264	Introduction to Computer Graphics		6cp
Select 18 credit points from the following options:			18cp
31262	Introduction to Computer Game Design	6cp	
31263	Introduction to Computer Game Programming	6cp	
31241	3D Computer Animation	6cp	
31248	Computer Graphics Project	6cp	
31249	Computer Graphics Rendering Techniques	6cp	
31080	Digital Multimedia	6cp	
			Total 24cp

SMJ02069 Information Technology

Select 24 credit points from the following options:			24cp
32560	Information Systems Architecture Design	6cp	
32569	Enterprise Business Requirements	6cp	
32557	Enabling Enterprise Information Systems	6cp	
32559	Business Systems Design	6cp	
32555	Fundamentals of Software Development	6cp	
32148	Enterprise Computing	6cp	
			Total 24cp

SMJ03029 Technology

16074	International Construction		6cp
16075	Sustainable Building Technology		6cp
16076	Building Assessment		6cp
16077	Advanced Construction Technologies		6cp
			Total 24cp

SMJ03034 Computer Systems Engineering

48440	Software Engineering Practice		6cp
48450	Real-time Operating Systems		6cp
48451	Advanced Digital Systems		6cp
48570	Data Acquisition and Distribution		6cp
			Total 24cp

SMJ03036 Enterprise Systems Development

In this sub-major students undertake 24 credit points from the corresponding major (MAJ03444).

Completion requirements

48024	Applications Programming		6cp
31260	Interface Design		6cp
Select 12 credit points from the following options:			12cp
31251	Data Structures and Algorithms	6cp	
48440	Software Engineering Practice	6cp	
48433	Software Architecture	6cp	
31253	Database Programming	6cp	
31100	Enterprise Development with .NET	6cp	
31335	Extreme Programming	6cp	
31927	Application Development with .NET	6cp	
31075	Object-relational Databases	6cp	
41889	Application Development in the iOS Environment	6cp	
			Total 24cp

SMJ03037 Internetworking and Applications

In the Internetworking and Applications sub-major students undertake 24 credit points from the corresponding major (MAJ03445).

Completion requirements

31277	Routing and Internetworks	6cp
31275	Mobile Networking	6cp
41900	Fundamentals of Security	6cp
Select 6 credit points from the following options:		6cp
31284	Web Services Development	6cp
31246	Network Design	6cp
31283	WANs and Virtual LANs	6cp
31285	Mobile Applications Development	6cp
31254	e-Commerce	6cp
31338	Network Servers	6cp
41891	Cloud Computing Infrastructure	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
		Total 24cp

SMJ03038 Software

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
CBK90366	ICT choice	18cp
		Total 54cp

SMJ03039 Software

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
CBK90368	ICT choice	6cp
		Total 42cp

SMJ03040 Software

48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
48433	Software Architecture	6cp
48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
CBK90367	ICT choice	12cp
		Total 48cp

SMJ03041 Computer Systems

48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
CBK90366	ICT choice	18cp
		Total 54cp

SMJ03042 Computer Systems

48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
CBK90368	ICT choice	6cp
		Total 42cp

SMJ03043 Computer Systems

48430	Embedded C	6cp
48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48520	Electronics and Circuits	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
CBK90367	ICT choice	12cp
		Total 48cp

SMJ03044 Telecommunications

48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
CBK90366	ICT choice	18cp
		Total 54cp

SMJ03045 Telecommunications

48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
CBK90368	ICT choice	6cp
		Total 42cp

SMJ03046 Telecommunications

48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
CBK90367	ICT choice	12cp
		Total 48cp

SMJ03047 Biomedical Engineering

91161	Cell Biology and Genetics	6cp
91400	Human Anatomy and Physiology	6cp
49261	Biomedical Instrumentation	6cp
49275	Neural Networks and Fuzzy Logic	6cp
		Total 24cp

SMJ03048 Building Services

16308	Services 2	6cp
16424	Construction MIS	6cp
16107	Planning and Design Process	6cp
16205	Services 1	6cp
		Total 24cp

SMJ03049 Mechanical Engineering

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
Select 18 credit points from the following options:		18cp
48620	Fundamentals of Mechanical Engineering	6cp
48331	Mechanics of Solids	6cp
48621	Manufacturing Engineering	6cp
48641	Fluid Mechanics	6cp
48651	Thermodynamics	6cp
48661	Heat Transfer	6cp
48640	Machine Dynamics	6cp
48601	Mechanical Vibration and Measurement	6cp
		Total 24cp

SMJ03050 Mechatronics

48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48623	Mechatronics 2	6cp
48640	Machine Dynamics	6cp
		Total 24cp

SMJ03051 Network Engineering

48720	Network Fundamentals	6cp
48740	Communications Networks	6cp
48730	Network Security	6cp
48750	Network Planning and Management	6cp
		Total 24cp

SMJ03052 Software Engineering

48023	Programming Fundamentals	6cp
48440	Software Engineering Practice	6cp
48024	Applications Programming	6cp
48433	Software Architecture	6cp
		Total 24cp

SMJ03053 Advanced Mechanical Analysis

Select 24 credit points from the following options:		24cp
49325	Computer-aided Mechanical Design	6cp
49322	Airconditioning	6cp
48662	Mechanical Applications	6cp
49323	Vibration Analysis	6cp
49321	Energy Conversion	6cp
49328	Turbomachines	6cp
		Total 24cp

SMJ03054 Sustainable Energy Systems Analysis

Select 24 credit points from the following options:		24cp
49322	Airconditioning	6cp
49307	Internal Combustion Engines	6cp
49328	Turbomachines	6cp
49321	Energy Conversion	6cp
49316	Materials Handling	6cp
		Total 24cp

SMJ03055 Automation

Select 24 credit points from the following options:		24cp
48023	Programming Fundamentals	6cp
48531	Electromechanical Automation	6cp
48622	Mechatronics 1	6cp
49928	Design Optimisation for Manufacturing	6cp
		Total 24cp

SMJ03056 Advanced Manufacturing Systems

Select 24 credit points from the following options:		24cp
49325	Computer-aided Mechanical Design	6cp
49316	Materials Handling	6cp
49928	Design Optimisation for Manufacturing	6cp
48662	Mechanical Applications	6cp
49322	Airconditioning	6cp
49323	Vibration Analysis	6cp
		Total 24cp

SMJ03057 Automotive Systems

Select 24 credit points from the following options:		24cp
49325	Computer-aided Mechanical Design	6cp
49286	Vehicle Design	6cp
49928	Design Optimisation for Manufacturing	6cp
49328	Turbomachines	6cp
49307	Internal Combustion Engines	6cp
49323	Vibration Analysis	6cp
		Total 24cp

SMJ03058 Intelligent Systems

Select 24 credit points from the following options:		24cp
49274	Advanced Robotics	6cp
49261	Biomedical Instrumentation	6cp
49928	Design Optimisation for Manufacturing	6cp
49330	Sensors and Signal Processing	6cp
49329	Control of Mechatronic Systems	6cp
		Total 24cp

SMJ03059 Sustainable Energy Systems

Select 24 credit points from the following options:		24cp
49322	Airconditioning	6cp
49328	Turbomachines	6cp
49321	Energy Conversion	6cp
49307	Internal Combustion Engines	6cp
48661	Heat Transfer	6cp
		Total 24cp

SMJ03060 Manufacturing Automation

Select 24 credit points from the following options:		24cp
49312	Advanced Flow Modelling	6cp
49316	Materials Handling	6cp
49928	Design Optimisation for Manufacturing	6cp
49274	Advanced Robotics	6cp
49329	Control of Mechatronic Systems	6cp
49330	Sensors and Signal Processing	6cp
		Total 24cp

SMJ03061 Engineering

Select 24 credit points from the following options:		24cp
49098	Engineering Financial Control	6cp
49306	Quality and Operations Management Systems	6cp
49309	Quality Planning and Analysis	6cp
49680	Value Chain Engineering Systems	6cp
49016	Technology and Innovation Management	6cp
49006	Risk Management in Engineering	6cp
		Total 24cp

SMJ03429 Engineering Policy

Select 24 credit points from the following options:		24cp
49006	Risk Management in Engineering	6cp
49013	Managing Information Technology in Engineering	6cp
49122	Ecology and Sustainability	6cp
49001	Judgment and Decision Making	6cp
49016	Technology and Innovation Management	6cp
		Total 24cp

SMJ04014 Building Surveying

16078	Fire Dynamics	6cp
16079	Performance-based Certification	6cp
16080	Fire Safety Systems	6cp
16081	Human Behaviour in Fire	6cp
		Total 24cp

SMJ04015 General Practice

16082	Expert Witness	6cp
16083	Evolution of Technology	6cp
16084	Construction Practice Project	6cp
16085	Building Control and Regulations	6cp
		Total 24cp

SMJ04016 Architectural Experience

11294	Architectural Experience A	6cp
11295	Architectural Experience B	6cp
11296	Architectural Experience C	6cp
11297	Architectural Experience D	6cp
		Total 24cp

SMJ04023 Performative Spaces

86530	Design Studio: Performative Spaces 1	12cp
86533	Design Studio: Performative Spaces 2	12cp
		Total 24cp

SMJ06020 Anaesthetics and Recovery Room Nursing

The subjects 92905 and 92760 are offered every second year. They are next available in 2015.

Completion requirements

Select one of the following:		6cp
92713	Health Breakdown	6cp
CBK90056	Nursing subjects (PG)	6cp
Select one of the following:		6cp
92869	Specialty Clinical Practice	6cp
STM90490	Clinical Accreditation Program (NSLHD)	6cp
92905	Dimensions of Anaesthesia Nursing	6cp
92760	Fundamentals of Postanaesthesia Recovery Nursing	6cp
		Total 24cp

SMJ06022 Children's Nursing

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92878	Care of the Child in Illness and Disability	6cp
92902	Care of the Acutely Ill Child	6cp
		Total 24cp

SMJ06023 Critical Care Nursing

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92918	Fundamentals of Critical Care Nursing	6cp
92919	Complex Critical Care	6cp
		Total 24cp

SMJ06024 Mental Health Nursing

This sub-major is not offered in 2014.

Completion requirements

92869	Specialty Clinical Practice	6cp
92604	Mental Health Assessment	6cp
92605	Therapeutic Interventions in Mental Health Care 2	6cp
92876	Therapeutic Interventions in Mental Health Care	6cp
		Total 24cp

SMJ06025 Neonatal Nursing

This sub-major is not offered in 2014.

Completion requirements

92869	Specialty Clinical Practice	6cp
92713	Health Breakdown	6cp
92871	Perinatal Development	6cp
92895	Issues in Neonatal Care	6cp
		Total 24cp

SMJ06026 Neuroscience Nursing

This sub-major is not offered in 2014.

Completion requirements

92869	Specialty Clinical Practice	6cp
92713	Health Breakdown	6cp
92920	Neuroscience: Trauma and Cerebrovascular	6cp
92921	Neuroscience: Degenerative and Oncological	6cp
		Total 24cp

SMJ06027 Perioperative Nursing

92869	Specialty Clinical Practice	6cp
92881	Foundations of Perioperative Nursing	6cp
92882	Techniques in Perioperative Nursing	6cp
CBK90056	Nursing subjects (PG)	6cp
		Total 24cp

SMJ06032 Acute Care Nursing

92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
		Total 24cp

SMJ06033 Child and Family Health Nursing

92613	Principles of Child and Family Health Nursing	6cp
92614	Child and Family Health Nursing 1	6cp
92615	Child and Family Health Nursing 2	6cp
92620	Family and Community Health Practice	6cp
		Total 24cp

SMJ06034 Diabetes Education and Management

92934	Clinical Management of Diabetes	6cp
92845	Primary Health Care	6cp
93006	Clinical Practice (Diabetes)	6cp
015356	Learning in Diabetes Education	6cp
		Total 24cp

SMJ07002 Clinical Teaching

Select one of the following:		6cp
92713	Health Breakdown	6cp
CBK90056	Nursing subjects (PG)	6cp
92869	Specialty Clinical Practice	6cp
92848	Facilitation of Clinical Learning	6cp
92607	Education for Practice Development	6cp
		Total 24cp

SMJ08037 Operations and Supply Chain

This sub-major provides participants with the opportunity to acquire knowledge of a broad range of theory and applications related to the design, planning and operation of processes and networks needed to deliver products and services to customers. It provides a range of analytical skills and expertise necessary to evaluate business operations needs and to design processes and planning and control systems to deliver these needs. Participants have the opportunity to acquire knowledge in key areas related to the efficient production and supply of goods and services.

Completion requirements

21741	Managing Operations	6cp
21743	Business Excellence	6cp
21745	Service Operations Management	6cp
21797	Strategic Supply Chain Management	6cp
		Total 24cp

SMJ08038 Strategic Management

This sub-major provides participants with the opportunity to acquire knowledge of strategy, entrepreneurship, operations and managing for sustainability theory and its practical application necessary for the responsible management of successful, sustainable business operations in the globalised business environment. It provides a comprehensive range of skills and expertise that links traditional, knowledge and state-of-the-art knowledge. Participants gain knowledge of leading-edge strategy concepts and tools for the collection and dissemination of internal and external data. The sub-major links the consulting profession with the processes of strategic management, entrepreneurship and innovation, technology and information systems.

Completion requirements

Select 24 credit points from the following options:		24cp
21797	Strategic Supply Chain Management	6cp
21811	Global Strategic Management	6cp
21832	Managing for Sustainability	6cp
21854	Innovation and Entrepreneurship	6cp
21008	Management Consulting	6cp
21012	Governance and Sustainability	6cp
		Total 24cp

SMJ08066 Human Resources Management

The Human Resource Management sub-major provides students with the skills, knowledge, and abilities needed to effectively contribute to an organisation's human resource management (HRM) functions as part of a broader management role. The sub-major introduces students to the frameworks governing and influencing HRM and aims to develop an understanding of HRM as applied in Australian and international contexts. The sub-major develops students' critical analysis skills, understanding of the role of communication and information technology and appreciation of ethical issues in HRM through the study of HRM structures, systems and processes as well as strategic approaches to the field of HRM.

Completion requirements

21720	Human Resource Management	6cp
21724	Strategic Human Resource Management	6cp
21760	Performance and Talent Management	6cp
21833	International Human Resources Management	6cp
		Total 24cp

SMJ08071 Arts Management

The Arts Management sub-major provides students with the opportunity to acquire knowledge of the arts and cultural industries, how they are structured and managed. The sub-major enables students to acquire skills applicable for arts and cultural professional purposes. It provides a comprehensive range of skills and expertise expected of management professionals in the performing, visual, digital media, literary, entertainment and other cultural industries. Students acquire knowledge in the areas of arts management and the experience economy through learning strategies that cover contemporary case study analysis, theory and applications. By the end of the sub-major they are able to analyse contemporary challenges and issues of this sector; provide solutions to problems through developing strategic plans based on arts and cultural case studies; apply management theories and concepts and decision-making skills in the context of specific arts and cultural case studies; and propose solutions to the management of arts facilities.

Completion requirements

27753	Arts and Cultural Industries	6cp
27755	Arts Organisations and Management	6cp
27763	Arts and Cultural Policy	6cp
27717	Venue and Facility Management	6cp
		Total 24cp

SMJ08075 Engineering Management

This sub-major is designed for students who have a technical background or a keen interest in technology and therefore a strong alignment with analytical approaches. The ability to understand both management and technology is increasingly valued by modern enterprises. As society continues to become more and more technology dependent it is clear that those who can effectively manage technology and leading technical professionals are well suited for leadership positions.

Completion requirements

Select 24 credit points from the following options:			24cp
49001	Judgment and Decision Making	6cp	
49002	Managing Projects	6cp	
49004	Systems Engineering for Managers	6cp	
49016	Technology and Innovation Management	6cp	
49309	Quality Planning and Analysis	6cp	
49306	Quality and Operations Management Systems	6cp	
			Total 24cp

SMJ08084 Marketing

The Marketing sub-major develops knowledge and skills so that managers understand how implementation of marketing thinking and strategies affects company performance. It develops basic marketing competencies to design and evaluate marketing-oriented strategies.

Completion requirements

24710	Buyer Behaviour	6cp
24720	Marketing Research	6cp
24730	Marketing Strategy	6cp
24750	Marketing Analytics	6cp
		Total 24cp

SMJ08086 Project Management

15315	Project Management Principles		6cp
Select 18 credit points from the following options:			18cp
15314	Project Implementation	6cp	
15338	Strategic Procurement and Contract Management	6cp	
15330	Program Management	6cp	
15346	Governance and Leadership of Project Management	6cp	
15313	Project Procurement and Risk Management	6cp	
			Total 24cp

SMJ08098 Accounting Information Systems

The Accounting Information Systems sub-major provides students with knowledge of and skills in accounting and business information management, ERP, business intelligence, business process management and project management. The sub-major emphasises the benefits of the integration of business processes and data integration and addresses issues in business planning, analysis and control.

SAP enterprise and business intelligence solutions are used extensively as demonstration and learning tools. This facilitates students' understanding of real-world problems in accounting and information management and provides students with functional software skills.

Completion requirements

22708	Accounting Information Systems		6cp
22776	Business Information Systems		6cp
Select 12 credit points from the following options:			12cp
22782	Business Process Integration with ERP	6cp	
22783	Business Intelligence 2: Advanced Planning	6cp	
22797	Business Intelligence 1: Advanced Analysis	6cp	
22759	Accounting and ERP	6cp	
22766	Assurance for Enterprise Systems	6cp	
22787	Business Project Management	6cp	
			Total 24cp

SMJ08109 Management Consulting

This sub-major enables students to acquire a critical and theoretical knowledge of the perspectives and approaches to management consulting both nationally and internationally. Students have the opportunity to develop an understanding of a range of emerging fields of interest in management consulting including knowledge management, sustainable enterprise and innovation. Where a subject overlaps with one in another major or sub-major, students are required to substitute the overlapping subject with another Faculty of Business subject.

Anti-requisite: MAJ08046 Extended Management, MAJ08438 Management.

Completion requirements

21228	Management Consulting		6cp
21510	The Global Context of Management		6cp
21511	Global Operations and Supply Chain Management		6cp
Select 6 credit points from the following options:			6cp
21440	Management Skills	6cp	
21227	Innovation and Entrepreneurship	6cp	
21602	Strategy: Theory and Practice	6cp	
			Total 24cp

SMJ08111 Marketing Research

This sub-major extends and develops research, analytical and interpretive skills that allow marketing analysts and managers carry out and evaluate practical and useful marketing research. It deals extensively with the research design and associated analytical tasks. Students undertaking this sub-major develop skills necessary for careers in analytical or research fields.

Completion requirements

24750	Marketing Analytics		6cp
24757	Research Methodology and Data Analysis Tools		6cp
24759	Research Design and Data Collection Tools		6cp
Select 6 credit points from the following options:			6cp
24706	Strategic Services Marketing	6cp	
24707	Strategic Business Marketing	6cp	
24713	Marketing Channel Management	6cp	
24736	Marketing Communications	6cp	
24738	Strategic International Marketing	6cp	
24742	New Product Management	6cp	
24760	Pricing and Revenue Management	6cp	
			Total 24cp

SMJ08116 Financial Reporting

The Financial Reporting sub-major is designed for Bachelor of Business students who do not have an accounting major but wish to gain a detailed working knowledge of financial reporting including the preparation and analysis of statutory financial reports.

Anti-requisite: MAJ08437 Accounting, MAJ08068 Financial Services

Completion requirements

22522	Assurance Services and Audit	6cp
22319	Financial Statement Analysis (Capstone)	6cp
22320	Accounting for Business Combinations	6cp
22420	Accounting Standards and Regulations	6cp
		Total 24cp

SMJ08117 International Accounting

The International Accounting sub-major introduces students to a range of international issues, focusing on the comprehensive development of national accounting systems, international accounting standards and transnational reporting issues.

Completion requirements

22240	International Accounting		6cp
22309	Accounting for Overseas Transactions		6cp
Select 12 credit points from the following options:			12cp
79603	International Business Transactions and the Law	6cp	
25421	International Financial Management	6cp	
21591	Transnational Management	6cp	
24220	International Marketing	6cp	
			Total 24cp

SMJ08120 Small Business Accounting

The sub-major in Small Business Accounting provides students enrolled in any major within the Bachelor of Business with knowledge and skills required for a compliant and successful start-up and operation of small and medium-sized enterprises (SMEs). It covers a wide range of topics including business planning, financial and managerial reporting, accounting information systems, accountability and compliance and other legal, marketing and accounting issues for SMEs.

Completion requirements

22566	Small Business Management and Accounting	6cp
22567	Planning and Control for Small Business Enterprises	6cp
22515	Computer-based Accounting	6cp
22573	Accountability of Small Business Enterprises	6cp
		Total 24cp

SMJ08123 Finance

This sub-major introduces students to the foundation knowledge of finance theory and analytical techniques for financial decision-making in a dynamic operating environment. Students gain an understanding of the financial system, investment analysis and corporate finance, and the application of quantitative techniques in finance.

Anti-requisites: MAJ08060 Extended Finance, MAJ08440 Finance

Completion requirements

25556	The Financial System		6cp
25622	Quantitative Business Analysis		6cp
25503	Investment Analysis		6cp
Select 6 credit points from the following options:			6cp
25557	Corporate Finance: Theory and Practice	6cp	
25602	Ethics in Finance	6cp	
25620	Derivative Securities	6cp	
25574	Commercial Bank Management	6cp	
25575	Investment Banking	6cp	
25576	Wealth Management	6cp	
			Total 24cp

SMJ08126 Sport Management

The Sport Management sub-major introduces students to the increasingly dynamic and specialist context in which sport is played, organised and managed. The issues identified in this sub-major provide students with a wealth of knowledge concerning the globalisation of sport and the business prospects arising from the sporting genre.

Completion requirements

27307	Sport Management	6cp
27252	The Sport Industry	6cp
27161	Sport Marketing	6cp
27253	Sport in the Global Marketplace	6cp
		Total 24cp

SMJ08127 Tourism Management

The Tourism Management sub-major introduces students to tourism and examines the functioning of the tourism industry. Elective choices allow students to develop further understanding of the tourism experience as well as management, marketing and planning theories and practices within the context of specific tourism industry sectors.

Completion requirements

27184	Dimensions of Tourism		6cp
27648	The Tourism Business		6cp
Select 12 credit points from the following options:			12cp
27116	e-Marketing and Management of Services	6cp	
27141	Sport Tourism	6cp	
27185	The Tourist Experience	6cp	
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp	
27327	Tourism and Sustainability	6cp	
27346	Tour Operator and Wholesaling Management	6cp	
27347	Hotel Management	6cp	
27348	Critical Issues in Global Tourism	6cp	
27350	Professional Internship (Capstone)	6cp	
27523	Planning for Sustainable Destinations	6cp	
27642	Tourism Marketing	6cp	
27647	Airlines and Transportation Management	6cp	
27703	Event Management	6cp	
			Total 24cp

SMJ08128 Human Resource Management

The Human Resource Management sub-major is designed for students who are majoring in another functional major or degree. This sub-major prepares students whose business management career requires a broad understanding of the challenges in people management (including human resource management and employee relations management) in the business environment.

Anti-requisite: MAJ08446 Human Resource Management.

Completion requirements

21555	Human Resource Management		6cp
Select 18 credit points from the following options:			18cp
21036	Managing Strategic Performance	6cp	
21037	Managing Employee Relations	6cp	
21407	Strategic Human Resource Management	6cp	
21510	The Global Context of Management	6cp	
			Total 24cp

SMJ08129 International Management

The International Management sub-major develops students' critical and analytical skills in relation to international and intercultural environments. Students develop a range of skills, insights and sensitivity that enables them to operate effectively in business and professional practice across international and intercultural boundaries. Where a subject overlaps with one in another major or sub-major, students are required to substitute the overlapping subject with another Faculty of Business subject.

Anti-requisite: MAJ08442 International Business

Completion requirements

Select 24 credit points from the following options:			24cp
21511	Global Operations and Supply Chain Management	6cp	
24220	International Marketing	6cp	
21595	International Management Field Study	6cp	
21510	The Global Context of Management	6cp	
21591	Transnational Management	6cp	
22240	International Accounting	6cp	
			Total 24cp

SMJ08130 Management

The Management sub-major is available to students who are not undertaking the Management major. It focuses on introducing students to the range of foundation skills and knowledge necessary for effective management practice. Students also gain an understanding of organisational design and change, and the management of the value chain. Where a subject overlaps with one in another major or sub-major, students are required to substitute the overlapping subject with another Faculty of Business subject.

Anti-requisite: MAJ08046 Extended Management, MAJ08438 Management, MAJ08446 Human Resource Management.

Completion requirements

21510	The Global Context of Management		6cp
Select 18 credit points from the following options:			18cp
21513	Business Ethics and Sustainability	6cp	
21440	Management Skills	6cp	
21595	International Management Field Study	6cp	
21511	Global Operations and Supply Chain Management	6cp	
21512	Understanding Organisations: Theory and Practice	6cp	
			Total 24cp

SMJ08131 Advanced Advertising

The Advanced Advertising sub-major provides specialised study in advertising management, developing hands-on experience in applying the principles and best practices that underlie contemporary advertising. This sub-major is offered at the City campus and is only available to Bachelor of Business students undertaking the MAJ08441 Marketing major.

Anti-requisite: MAJ08063 Extended Marketing, MAJ08116 Marketing Communication.

Completion requirements

24510	Advertising Research	6cp
59333	Advertising Strategies	6cp
59330	Advertising Practice	6cp
24207	Media Planning	6cp
		Total 24cp

SMJ08132 Marketing Research

This sub-major develops and extends research, analytical and interpretive skills that allow marketing analysts and managers to carry out and evaluate practical and useful marketing research. It deals extensively with research design and associated analytical tasks. Students undertaking this sub-major develop skills necessary for careers in analytical or research fields.

It is only available to Bachelor of Business students undertaking the MAJ08441 Marketing major or MAJ08116 Marketing Communication major or SMJ08138 Marketing sub-major.

Anti-requisite: MAJ08063 Extended Marketing.

Completion requirements

24510	Advertising Research	6cp
24331	Marketing Analytics and Decisions	6cp
24902	Research Methodology and Data Analysis Techniques	6cp
24908	Research Design and Data Collection Techniques	6cp
		Total 24cp

SMJ08137 Advertising

The Advertising sub-major provides students with an introduction to the area of advertising and promotions management, focusing on customer behaviour and management of marketing communications activities. This sub-major is offered at City campus and partially at Kuring-gai campus.

Anti-requisite: MAJ08063 Extended Marketing, MAJ08116 Marketing Communication, MAJ08441 Marketing.

Completion requirements

24202	Consumer Behaviour	6cp
24210	Integrated Marketing Communications	6cp
24309	Marketing Research	6cp
24510	Advertising Research	6cp
		Total 24cp

SMJ08138 Marketing

The Marketing sub-major develops knowledge and skills so that managers understand how implementation of marketing thinking and strategies affects company performance. It develops basic marketing competencies to design and evaluate marketing-oriented strategies.

Anti-requisite: MAJ08063 Extended Marketing, MAJ08116 Marketing Communication, MAJ08441 Marketing.

Completion requirements

24202	Consumer Behaviour		6cp
24415	Marketing Planning and Strategy		6cp
24309	Marketing Research		6cp
Select 6 credit points from the following options:			6cp
24331	Marketing Analytics and Decisions	6cp	
24222	Marketing Channels	6cp	
24223	New Product Marketing	6cp	
24224	Pricing Strategies and Tactics	6cp	
24210	Integrated Marketing Communications	6cp	
24205	Business-to-Business Marketing	6cp	
24220	International Marketing	6cp	
24306	Services Marketing	6cp	
			Total 24cp

SMJ08139 International Business Studies

This sub-major provides an opportunity for students to study business subjects abroad. In doing so, they develop an international awareness and acquire analytical skills that enhance their professional knowledge within a global context.

Students are required to complete this sub-major on exchange at an approved overseas institution. Students must undertake the equivalent of 24 credit points of UTS: Business subjects at the overseas institution, and must also seek approval from the Faculty of Business prior to undertaking the sub-major.

Completion requirements

CBK90166	Electives (International Business Studies)	24cp
		Total 24cp

SMJ08141 Human Resource Development

This sub-major fosters both formal and informal learning opportunities in the workplace, and provides a basic understanding of human resource development issues and practices. This sub-major is offered at City campus on demand, and is graded on a Pass/Fail basis only.

Completion requirements

013097	Human Resource Development in Organisations	6cp
013954	Program Design	6cp
Select 12 credit points from the following options:		12cp
010074	Professional Practice 1 Human Resource Development	6cp
013972	Organisational Learning	6cp
013979	Organisational Learning and Change: Local and Global	6cp
013976	Strategic Human Resource Development	6cp
013955	Assessing Learning	6cp
		Total 24cp

SMJ08147 Finance

The Finance sub-major provides participants with the opportunity to acquire knowledge of finance theory and techniques in the areas of investment and financing decisions and interactions with capital markets. It provides an introduction to the range of skills and expertise expected of employees in the finance function of a firm. Learning strategies that cover both contemporary theory and leading-edge techniques in the practice of financial decision-making are the used in the presentation of the sub major.

Completion requirements

25705	Financial Modelling and Forecasting	6cp
25721	Investment Management	6cp
25741	Capital Markets	6cp
25765	Corporate Finance	6cp
		Total 24cp

SMJ08148 International Business

The International Business sub-major addresses the impacts of globalisation on the world of business. It covers the competencies, skills and knowledge that are applicable to several functional areas of the internationalising firm that is attempting to both anticipate and respond to these impacts.

Completion requirements

21012	Governance and Sustainability	6cp
21717	International Management	6cp
21811	Global Strategic Management	6cp
21833	International Human Resources Management	6cp
		Total 24cp

SMJ08153 Public Relations

This sub-major provides students with a specialisation in communication management within the MBA. It develops an understanding of communication theory and practice and skills in applying these to the business environment. Students explore the contexts for professional communication and develop strategies and products to communicate effectively with their customers, clients, partners and publics. These strategic communication skills equip them for work in a range of organisations and sectors within the business community. Graduates with this sub-major have the opportunity to work as public relations professionals or to incorporate their understanding and skills into their business practices.

Completion requirements

57023	Communicating with Publics	8cp
57024	Managing Public Communication Strategies	8cp
57026	Strategic Communication and Negotiation	8cp
		Total 24cp

SMJ08155 Sport Management

The Sport Management sub-major provides students with the opportunity to acquire knowledge of the sport industry, how it is structured and managed at different levels, from grassroots, community-focused sport, through to elite-level, commercially oriented sport. The sub-major enables students to acquire skills applicable for the professional management of sport, and for conceiving policies and strategies underpinning this multi-faceted role.

The sub-major provides a comprehensive range of skills and expertise expected of management professionals in the sport industry and cognate areas, such as events management and tourism management. Students acquire knowledge in the areas of sport management and the experience economy through learning strategies that cover contemporary case study analysis, theory and practical applications. By the end of the sub-major they are able to analyse contemporary challenges and issues of the sport sector; provide solutions to problems

through developing strategic plans based on sport and event studies; apply management theories, concepts and decision-making skills in the context of the sport industry; and propose solutions to the management of problematic issues in sport, such as performance-enhancing drugs, off-field player behaviour, and career transition for elite athletes.

Completion requirements

27715	Sport Business		6cp
27732	Sport Organisations		6cp
27721	Sport Globalisation		6cp
Select 6 credit points from the following options:			6cp
27717	Venue and Facility Management	6cp	
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp	
27733	The Experience Economy	6cp	
27734	Marketing for the Experience Industries	6cp	
27778	Innovative Services Management	6cp	
			Total 24cp

SMJ08156 Tourism Management

The Tourism Management sub-major provides students with the opportunity to acquire knowledge of tourism as an activity and its management by the tourism industry, government and other stakeholders. It provides students with an understanding of the various elements of tourism: the tourist, the tourism industry and the various environments in which tourism operates. It focuses on the structure, functions and sustainable management of tourism as part of the 'experience economy'. The sub-major enables students to develop critical, interpretive and problem-solving skills expected of professionals in the management of tourism.

Students acquire knowledge in tourism management through learning strategies that cover theory, contemporary Australian and international case study analysis, and applications. They learn to analyse contemporary challenges and issues of this sector; apply management theories and empirical studies to various travel and tourism industry settings and management structures; formulate management strategies and perform management functions appropriate to the travel and tourism industry.

Completion requirements

27700	Sustainable Tourism Management	6cp
27735	Tourism and the Industry	6cp
27706	Managing Tourism Services	6cp
27767	Tourist Behaviour	6cp
		Total 24cp

SMJ08157 Business Accounting

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148), Bachelor of Arts in Architecture (C10004), Bachelor of Property Economics (C10007), Bachelor of Design in Industrial Design (C10053), Bachelor of Design in Fashion and Textiles (C10055), Bachelor of Design in Interior Design (C10057), Bachelor of Design in Visual Communication (C10059), and Bachelor of Construction (C10214).

Completion requirements

22107	Accounting for Business Decisions A		6cp
22207	Accounting for Business Decisions B		6cp
Select 12 credit points from the following options:			12cp
22321	Cost Management Systems	6cp	
22240	International Accounting	6cp	
22320	Accounting for Business Combinations	6cp	
22420	Accounting Standards and Regulations	6cp	
22610	Accounting for Insolvency	6cp	
			Total 24cp

SMJ08159 Employment Relations

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148).

Completion requirements

21510	The Global Context of Management		6cp
21129	Managing People and Organisations		6cp
21591	Transnational Management		6cp
Select 6 credit points from the following options:			6cp
21511	Global Operations and Supply Chain Management	6cp	
			Total 24cp

SMJ08160 International Management

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148).

Completion requirements

21511	Global Operations and Supply Chain Management	6cp
21129	Managing People and Organisations	6cp
21591	Transnational Management	6cp
21221	Organisational Structure and Change	6cp
		Total 24cp

SMJ08163 Internet Business Technology

31242	Advanced Internet Programming		6cp
Select 12 credit points from the following options:			12cp
31338	Network Servers	6cp	
31777	Human-Computer Interaction	6cp	
31100	Enterprise Development with .NET	6cp	
31030	Project	6cp	
31285	Mobile Applications Development	6cp	
31748	Programming on the Internet	6cp	
31259	Intelligent Agents	6cp	
			Total 24cp

SMJ08181 Introductory Finance

This sub-major is only available to students in the Bachelor of Science in Mathematics (C10154).

Completion requirements

25300	Fundamentals of Business Finance	6cp
25556	The Financial System	6cp
22107	Accounting for Business Decisions A	6cp
25503	Investment Analysis	6cp
		Total 24cp

SMJ08188 Accounting for Small Business

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148).

Completion requirements

22107	Accounting for Business Decisions A		6cp
22566	Small Business Management and Accounting		6cp
Select 12 credit points from the following options:			12cp
22567	Planning and Control for Small Business Enterprises	6cp	
22515	Computer-based Accounting	6cp	
22309	Accounting for Overseas Transactions	6cp	
22240	International Accounting	6cp	
22610	Accounting for Insolvency	6cp	
			Total 24cp

SMJ08192 Finance

Free choice of electives.

SMJ08193 International Business

Free choice of electives.

SMJ08194 Clinical Management

92917	Using Health Care Data for Decision Making	6cp
92887	Organisational Management in Health Care	6cp
92932	Management for Clinicians	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
		Total 24cp

SMJ08195 Management Reporting

The Management Reporting sub-major is designed for Bachelor of Business students who do not have an accounting major but wish to gain a detailed working knowledge of management accounting reporting including costing, controlling and management decision-making.

Anti-requisite: MAJ08437 Accounting

Completion requirements

22321	Cost Management Systems	6cp
22421	Management Decisions and Control	6cp
22515	Computer-based Accounting	6cp
22566	Small Business Management and Accounting	6cp
		Total 24cp

SMJ08196 Innovation

21227	Innovation and Entrepreneurship		6cp
22107	Accounting for Business Decisions A		6cp
25300	Fundamentals of Business Finance		6cp
Select 6 credit points from the following options:			6cp
21129	Managing People and Organisations	6cp	
24108	Marketing Foundations	6cp	
48080	Introduction to Innovation	6cp	
		Total 24cp	

SMJ08197 Marketing Principles

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148), Bachelor of Arts in Architecture (C10004), Bachelor of Property Economics (C10007), Bachelor of Design in Industrial Design (C10053), Bachelor of Design in Fashion and Textiles (C10055), Bachelor of Design in Interior Design (C10057), Bachelor of Design in Visual Communication (C10059), and Bachelor of Construction (C10214).

Completion requirements

24108	Marketing Foundations		6cp
24202	Consumer Behaviour		6cp
Select 12 credit points from the following options:			12cp
24220	International Marketing	6cp	
24205	Business-to-Business Marketing	6cp	
24306	Services Marketing	6cp	
		Total 24cp	

SMJ08198 Advertising Principles

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148), Bachelor of Arts in Architecture (C10004), Bachelor of Property Economics (C10007), Bachelor of Design in Industrial Design (C10053), Bachelor of Design in Fashion and Textiles (C10055), Bachelor of Design in Interior Design (C10057), Bachelor of Design in Visual Communication (C10059), and Bachelor of Construction (C10214).

Completion requirements

24108	Marketing Foundations	6cp
24202	Consumer Behaviour	6cp
24210	Integrated Marketing Communications	6cp
59330	Advertising Practice	6cp
		Total 24cp

SMJ08203 Event Management

This sub-major introduces students to the increasingly dynamic and specialist contexts in which events are organised and managed. The strong industry links provide an ideal platform for knowledge and professional development.

Completion requirements

27703	Event Management	6cp
27345	Creating Event Experiences	6cp
27194	Event Sponsorship and Revenue	6cp
27192	Event Impacts and Legacies	6cp
		Total 24cp

SMJ08204 Strategic Marketing

This sub-major develops competencies that allow decision-makers, such as marketing managers and business unit managers as well as general managers and chief executives, to develop, implement and evaluate marketing-oriented strategies that allow companies to compete successfully in environments in which they make decisions about business models that are affected by business-to-business, international and services contexts. It develops senior management competencies that enable organisations to implement strategic marketing decisions in a cross-functional and integrated manner.

It is only available to Bachelor of Business students undertaking the MAJ08441 Marketing major or MAJ08116 Marketing Communication major or SMJ08138 Marketing sub-major.

Anti-requisite: MAJ08063 Extended Marketing.

Completion requirements

Select 24 credit points from the following options:			24cp
24205	Business-to-Business Marketing	6cp	
24331	Marketing Analytics and Decisions	6cp	
24220	International Marketing	6cp	
24306	Services Marketing	6cp	
24224	Pricing Strategies and Tactics	6cp	
		Total 24cp	

SMJ08205 Strategic Marketing

This sub-major develops competencies that allow decision makers (such as marketing managers and business unit managers as well as general managers and chief executives) to develop, implement and evaluate marketing-oriented strategies that allow companies to compete successfully in environments in which they make decisions about business models that are affected by business-to-business, international and services contexts.

Completion requirements

24706	Strategic Services Marketing	6cp
24707	Strategic Business Marketing	6cp
24738	Strategic International Marketing	6cp
24750	Marketing Analytics	6cp
		Total 24cp

SMJ08206 Research Methods

16262	Honours Research 1	6cp
16259	Honours Research 2	6cp
16260	Honours Research 3	6cp
		Total 24cp

SMJ08208 Management

This sub-major provides participants with the opportunity to develop integrated knowledge and skills for effective change management in a global, decentralised competitive business environment.

Completion requirements

21717	International Management	6cp
21811	Global Strategic Management	6cp
21827	Change Management	6cp
21854	Innovation and Entrepreneurship	6cp
		Total 24cp

SMJ08209 Community Management

This sub-major provides participants with the opportunity to acquire the knowledge and skills necessary to successfully manage non-profit organisations. It covers the special characteristics of the non-profit sector and the special challenges of managing non-profit organisations. It pays special attention to the variety of ways non-profit organisations develop their financial resources, and to the special body of laws that govern the non-profit sector.

Completion requirements

21817	Volunteer Management	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
21778	Resource Mobilisation	6cp
		Total 24cp

SMJ08210 Value Creation in Services

This sub-major prepares students to thrive in a services economy and to advance their individual and collaborative potentials within the framework of a new service science

curriculum that examines the configurations of people, technology and business in the context of a service economy. It is aimed at meeting the diverse requirements of the next generation workforce and key capability requirements for value creation, innovation and collaboration in services as endorsed by the Australian government policy paper, *Powering Ideas: An Innovation Agenda for the 21st Century*.

Completion requirements

24706	Strategic Services Marketing	6cp
21745	Service Operations Management	6cp
27778	Innovative Services Management	6cp
27733	The Experience Economy	6cp
		Total 24cp

SMJ08211 Public Relations

58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58116	The Ecology of Public Communication	8cp
		Total 24cp

SMJ08212 Advertising

58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58116	The Ecology of Public Communication	8cp
		Total 24cp

SMJ08213 Event Management

This sub-major provides students with knowledge and skills germane to managerial positions within the event management field in Australia and internationally. The areas in which this knowledge and these skills may be developed concern: marketing, risk, project and venue management, event creation, economics, and law. Learning strategies employed in this sub-major focus on linking theory to practice via case study analysis, fieldwork and applied assessments. These learning strategies are intended to enable students to: analyse contemporary challenges and issues pertaining to the public and corporate event field; apply management theories, concepts and decision-making skills in the context of specific event management related issues or problems; and project manage events of varying scale.

Completion requirements

27726	Event Concepts and Contexts		6cp
27727	Event Creation Workshop		6cp
27765	Event Management		6cp
Select 6 credit points from the following options:			6cp
27717	Venue and Facility Management	6cp	
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp	
27733	The Experience Economy	6cp	
27734	Marketing for the Experience Industries	6cp	
27737	Event Risk Management	6cp	
		Total	24cp

SMJ08214 Financial Planning

The Financial Planning sub-major equips graduates with both theoretical and practical competencies required to participate in the changing financial planning industry. Graduates gain an understanding of the principal elements of the personal financial planning process, the financial system and the legal issues associated in preparing a financial plan. They acquire the technical and analytical skills to undertake general personal financial planning advice. This sub-major is only available to Bachelor of Business students undertaking a major in accounting or finance.

As part of the Financial Planning sub-major, students undertaking a major in accounting should select 25556 The Financial System; students undertaking a major in finance should select 79017 Taxation Law.

Completion requirements

79026	Estate Planning (UG)		6cp
79027	Retirement Planning (UG)		6cp
22502	Financial Planning in Australia		6cp
Select 6 credit points from the following options:			6cp
25556	The Financial System	6cp	
79017	Taxation Law	6cp	
		Total	24cp

SMJ08215 Financial Services

The operation of the financial services sector is critical to the operation of the economy. Consequently, an understanding of how financial information is generated and used, together with how the financial markets operate is important. The subjects in the sub-major provide students with essential professional skills in how financial reports are prepared, how financial information may be used, and how the financial system operates.

The Accounting stream is only available to Finance major or Extended Finance major students; the Finance stream is only available to Accounting major students.

This major is not offered to students enrolled in: SMJ08116 Financial Reporting, SMJ08123 Finance, or MAJ08068 Financial Services.

Completion requirements

Select 24 credit points from the following options:			24cp
STM90704	Accounting stream	24cp	
STM90705	Finance stream	24cp	
		Total	24cp

SMJ08216 Business

Select 24 credit points from the following options:			24cp
22747	Accounting for Managerial Decisions	6cp	
25742	Financial Management	6cp	
21827	Change Management	6cp	
21797	Strategic Supply Chain Management	6cp	
21877	Strategic Procurement	6cp	
		Total	24cp

SMJ08217 Construction

Select 24 credit points from the following options:			24cp
15327	Managing Project Complexity	6cp	
15330	Program Management	6cp	
15338	Strategic Procurement and Contract Management	6cp	
15348	Commercial Management of Projects	6cp	
15349	Integrated Project Delivery Management	6cp	
15143	Group Project A: Urban Renewal	6cp	
		Total	24cp

SMJ09021 Dispute Resolution

Select 24 credit points from the following options:			24cp
77745	Negotiation	6cp	
77746	Advanced Mediation	6cp	
77761	Dispute Resolution in Commerce	6cp	
79771	Dispute Resolution	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77850	Psychology and Dispute Resolution	6cp	
77867	Workplace Dispute Resolution	6cp	
78029	Mediation Practice	6cp	
		Total	24cp

SMJ09028 Economics

Businesses operate within the economy and many of the prospects and problems faced by a business are influenced or determined by the economy. Consequently, many business leaders emphasise the need for business managers to understand the economy and its impact on business. The subjects in this sub-major provide students with the professional skills, knowledge and understanding of the economic environment within which business operates.

Anti-requisite: MAJ09402 Extended Economics, MAJ09209 Economics

Completion requirements

23566	Economics for Business 2		6cp
Select 18 credit points from the following options:			18cp
23567	Intermediate Microeconomics	6cp	
23568	Intermediate Macroeconomics	6cp	
23570	Economics of the Environment	6cp	
23571	Introductory Econometrics	6cp	
23022	Public Economics	6cp	
23592	Game Theory	6cp	
		Total	24cp

SMJ09030 Business Law

This sub-major introduces students to legal issues that impact on the business sector. Building on 70110 Introduction to Law, it gives students the opportunity to develop a better understanding of intricate legal issues, facilitating the planning of current and future commercial strategies.

Completion requirements

70110	Introduction to Law		6cp
Select 18 credit points from the following options:			18cp
79006	Intellectual Property Commercialisation	6cp	
79011	Marketing Law	6cp	
79013	Industrial and Labour Law	6cp	
79014	Applied Company Law	6cp	
79015	Banking Law	6cp	
79017	Taxation Law	6cp	
79018	Advanced Commercial Law	6cp	
79019	Corporate Environmental Responsibility	6cp	
CBK90167	Taxation Law sub-major choice	6cp	
79603	International Business Transactions and the Law	6cp	
79032	Competition and Consumer Law	6cp	
79033	Insolvency Administration	6cp	
		Total	24cp

SMJ09032 Foundations in Law

This sub-major is for students enrolled in the Bachelor of Business who are considering transferring between the different degree programs or intending to undertake law studies as a second degree. It provides students with the key legal knowledge of a lawyer and has recognition as substantive law subjects in any law degree. This sub-major is offered at City campus on demand.

Completion requirements

70211	Contracts	8cp
70311	Torts	8cp
70317	Real Property	8cp
		Total 24cp

SMJ09033 Taxation Law

This sub-major offers an integrated sequence of subjects enabling students to specialise in this important area of law, applicable to the business and public sectors of Australia and its international relationships. Taxation is the ultimate interface of law, accounting and business enterprises, and always requires specialist knowledge.

Completion requirements

70110	Introduction to Law		6cp
79017	Taxation Law		6cp
Select 12 credit points from the following options:			12cp
79018	Advanced Commercial Law	6cp	
79026	Estate Planning (UG)	6cp	
79027	Retirement Planning (UG)	6cp	
79021	International Aspects of Australian Taxation Law	6cp	
79022	GST and other Indirect Taxes	6cp	
79606	Advanced Taxation Law	6cp	
			Total 24cp

SMJ09034 International Studies

This sub-major uses a focus on society, politics, economics and culture as an introduction to three countries or parts of the world that play a crucial role in Australia's business environment. The subjects in this sub-major are only offered in Spring semester.

Note that Contemporary France, Contemporary Germany, Contemporary Italy, Contemporary Spain and Contemporary Switzerland are all offered at the same time and day in Spring semester; students are thus only able to enrol in one of these subjects in a given semester.

Completion requirements

Select 24 credit points from the following options:			24cp
976111	Contemporary China	8cp	
976211	Contemporary Japan	8cp	
976502	Contemporary Latin(o) Americas	8cp	
976411	Contemporary France	8cp	
976421	Contemporary Germany	8cp	
976431	Contemporary Italy	8cp	
976451	Contemporary Spain	8cp	
976404	Contemporary Switzerland	8cp	
			Total 24cp

SMJ09035 Language other than English

The LOTE sub-major enables students to develop communicative competence in a language other than English. Three consecutive 8 credit point subjects are taken from one of the following language programs: Chinese, French, German, Italian, Japanese or Spanish. Students require three semesters to complete this sub-major and are advised to start in Autumn of their second year, as not all levels of language and culture are offered every semester.

Completion requirements

Select 24 credit points from the following options:			24cp
CBK90494	Chinese Language and Culture	24cp	
CBK90495	Japanese Language and Culture	24cp	
CBK90497	French Language and Culture	24cp	
CBK90498	Spanish Language and Culture	24cp	
CBK90499	German Language and Culture	24cp	
CBK90500	Italian Language and Culture	24cp	
			Total 24cp

SMJ09036 Specialist Country Studies

This sub-major offers the opportunity to obtain an introduction to the language and culture of one of Australia's major international economic partners and to learn about the country itself. It is possible to complete this sub-major in a minimum of two semesters. Students should plan to start their language and culture study in Autumn semester, to be followed by the second language and culture subject and the contemporary society subject in Spring semester.

Completion requirements

Select 24 credit points from the following options:			24cp
STM90016	China: Specialist Country Studies stream	24cp	
STM90017	France: Specialist Country Studies stream	24cp	
STM90018	Germany: Specialist Country Studies stream	24cp	
STM90020	Italy: Specialist Country Studies stream	24cp	
STM90021	Japan: Specialist Country Studies stream	24cp	
STM90022	Latin America: Specialist Country Studies stream	24cp	
STM90023	Spain: Specialist Country Studies stream	24cp	
STM90506	Latino USA: Specialist Country Studies stream	24cp	
STM90507	Quebec: Specialist Country Studies stream	24cp	
STM90508	Switzerland (French): Specialist Country Studies stream	24cp	
STM90509	Switzerland (German): Specialist Country Studies stream	24cp	
			Total 24cp

SMJ09037 Business Law

The business person of today cannot operate successfully without an understanding of the legal and regulatory environment within which they operate. This sub-major provides wide ranging options which provide an attractive choice to students to select from to meet their interests and professional needs in the global context. This sub-major develops skills to enable students to strategically assess, critically interpret and judiciously apply information for decision-making in the contemporary dynamic business environment. The sub-major provides students with an understanding of the impact of regulation and the law to progress a career in the global business environment. Students develop an awareness and understanding of social, legal and ethical responsibilities in business for a sustainable future.

Completion requirements

Select 24 credit points from the following options:			24cp
77716	International Trade Law	6cp	
77715	Banking Law	6cp	
79771	Dispute Resolution	6cp	
79708	Contemporary Business Law	6cp	
77724	International Banking and Finance Law	6cp	
77745	Negotiation	6cp	
78234	Common Law Legal Traditions	6cp	
77901	Securities Markets Law	6cp	
77947	Companies and Securities Law	6cp	
77938	Introduction to Taxation Law	6cp	
77942	Legal Aspects of Contracts Administration	6cp	
			Total 24cp

SMJ09040 Introductory Economics

This sub-major is only available to students in the Bachelor of Science in Information Technology (C10148).

Completion requirements

23115	Economics for Business	6cp
23304	Asian-Australian Economics Relations	6cp
23564	Labour and Industry in the Global Context	6cp
23566	Economics for Business 2	6cp
		Total 24cp

SMJ09042 Communications and Information

Free choice of electives.

SMJ09045 Information Technology Law

Select 18 credit points from the following options:			18cp
79006	Intellectual Property Commercialisation	6cp	
79018	Advanced Commercial Law	6cp	
			Total 24cp

SMJ09046 International Trade Law

Select 24 credit points from the following options:			24cp
77716	International Trade Law	6cp	
77724	International Banking and Finance Law	6cp	
Select one of the following:		6cp	
77751	International Commercial Arbitration	6cp	
77783	International Commercial Dispute Resolution	6cp	
77976	World Trade Organisation Law and Practice	6cp	
77885	Legal Process and Legal Research	6cp	
			Total 24cp

SMJ09048 Transnational Studies

This sub-major focuses on the global arena. How can we understand contemporary global politics? How did our current world system come to be this way? How are ideas and news about the world circulated and consumed? The three subjects in this sub-major combine politics and international relations, cultural history, media studies and other disciplines to investigate how people, nations, governments, empires, and the media have created and recreated the global world we live in.

The first subject introduces students to the global politics of power, through a variety of lenses, from 'above' and from 'below'. Students then analyse the networks of colonial expansion and the resistance to it, with particular attention to gendered, intimate and everyday relationships. These are related directly to the 'post-colonial' world, where power is no longer centred on imperial heartlands. In the third subject students explore the phenomenon of transnational media as it builds on new technologies and adapts the old, both as media empire and as citizen media, or social media.

Further information on this sub-major can be found at:
www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58222	Global Politics from Above and Below	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
		Total 24cp

SMJ09049 Reading Australia

This sub-major is an exploration through time and place, literature and writing, film and images of what 'Australia' is. It requires students to rethink what they call 'an Australian', and reconsider where the boundaries of Australia arise and produce the possibilities for new Australias to exist. In all the subjects students are asked to 'read' Australia in new ways: read it as a particular result of contingently recorded histories and arbitrarily mythologised places. Students are also asked to question Australia as a place that has produced workable myths like the 'outback' and 'the beach' and think about why Crocodile Dundee and Mad Max never could live in Glebe and why 'multicultural Australia' doesn't quite capture the global and inter-nation flows that have helped produce Australia. In addition, students are asked to consider the critical and creative ways in which something as persuasive and pervasive as Australia makes and remakes itself through the circulations of particular knowledges.

The subjects involve the study of the many modes of knowledge production (electronic, filmic, textual) but also the many interdisciplinary forms that encourages looking at pasts and places and categories like literature and film in new and exciting ways. Students produce work in a variety of forms including essays, archives, fiction and images.

Students enrolling in this sub-major need to have a willingness to have their answers questioned; in doing so they should discover that at least one Australia they learn about is a place they have never been.

Further information on this sub-major can be found at:
www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58224	Australian Pasts and Places	8cp
58320	Australian Fiction	8cp
58321	Australian Film	8cp
		Total 24cp

SMJ09050 Environmental Studies

It seems humankind want to live sustainably. In opinion surveys, environmental concerns top the list of most important issues. Environmental perspectives have risen up the agenda across key fields of policy research and social change, new media and reportage, creative writing and the 'new humanities', requiring practitioners in these fields to develop critical knowledge of the sciences and technologies at stake. Whether considering leaders of nations and corporations, environmentalist and oppositional movements, or Indigenous and other marginalised peoples, all have real issues at stake and demand voices in the debates.

The sub-major provides the scope to explore these fields in some depth. It begins with an introduction to the politics and science of climate change. Students then investigate interactions between the life sciences and the social sciences; what drives ecological degradation and what is claimed to take us beyond it into a future of 'post-nature' driven by biotechnologies and global ecological risk management. In the final subject students investigate environmental values, exploring different cultural expressions, changing meanings of nature, and their relationship to it. Ranging across the political, the economic, the cultural and the technological, the sub-major offers a solid grounding in this vital arena.

Further information on this sub-major can be found at:
www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58228	Climate Change: Politics and Ecology	8cp
58328	The New Economy of Post-Nature	8cp
58329	Culture, Science and Nature	8cp
		Total 24cp

SMJ09051 Bodies, Genders, Rights

This sub-major draws on social, political and cultural theory to interrogate key features of the world: from the life worlds of individual bodies and embodied experience to the ways in which these worlds are in turn shaped by political and social power structures that effect relations between peoples and between those peoples and states at the international and global level. The sub-major offers foundational intellectual tools to help students reflect widely and deeply about the nature of power, relations between peoples, and between states and peoples across time and space.

The sub-major begins with a sustained examination of the 'matter' of the body, its literal fleshiness and its troubling tendency to be naturalised, despite being a key site of social, cultural, historical and political contestation. Students think through what the body is and how it is that some bodies come to matter more than others. Thus, an engagement with the seemingly 'micro' matter of the body lays the groundwork for the following two subjects which focus in turn explicitly on the 'macro' issues of gender and human rights.

The second subject provides the opportunity to undertake a rigorous analysis of the notions of sex, gender and sexuality in a range of cultural and social contexts. The processes and mechanisms that construct and institutionalise gender are considered in a variety of contexts. How hierarchies of gender and sexuality are implicated in all aspects of social life is explored. In particular students interrogate the ways in which current issues troubling relations between peoples and states such as globalisation, questions of ethnic and cultural difference, citizenship and environmental stress can be understood as 'gendered'. Students also question practices of social exclusion and inclusion (an underpinning theme of the sub-major as a whole) based on gender and the ways in which gender in turn structures relations not only between peoples but between nations and states.

The final subject builds on the themes developed in the previous subjects to examine the way in which rights, and particularly human rights, are central to the ways in which relations between individuals, groups of peoples, nations and states are configured in the 21st century. From this standpoint, key issues and debates concerning the history and contemporary politics of human rights in the context of state formation (sovereign territorialisation) and globalisation and de-territorialisation are examined.

Further information on this sub-major can be found at:
www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58223	Social Bodies	8cp
58318	Gender, Culture, Power	8cp
58319	Rights and Territories	8cp
		Total 24cp

SMJ09052 Aboriginal Studies

The three subjects in this sub-major explore Australian Aboriginal culture and society, politics and history, and the legal dimensions of Indigenous rights. Drawing upon a range of disciplinary approaches (anthropology, politics, sociology and history) students explore how these traditions have produced particular knowledge about Aboriginal people and how Aboriginal ways of knowing and being, including relationships to land and water, kinship networks and society, have been interpreted as well as contested these intellectual traditions.

In the first subject, students consider Aboriginal cultural and social practices and reflect upon the mechanisms that exist to maintain and reproduce culture in a modern post-colonial nation state. In the second subject, students are introduced to the kinds of demands Aboriginal people have made of the colonial state and how the state has sought to manage and rule Aboriginal people's lives. In the third subject, students examine the legal bases for the protection of Indigenous rights, including land rights and native title.

The three subjects seek to be intellectually challenging, provide students with a depth of insight and knowledge to deal meaningfully with Aboriginal people, engage in advocacy and debates on Aboriginal issues and understand the wider international contexts in which these issues circulate. Students who complete this sub-major are equipped to make a significant contribution to the Aboriginal public policy domain and community.

Further information on this sub-major can be found at:

www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58227	Balancing World Views: Introduction to Aboriginal Cultures	8cp
58326	Australian Aboriginal Politics and History	8cp
58327	Indigenous Futures	8cp
		Total 24cp

SMJ09053 Social Inquiry

58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58124	Local Transformations	8cp
		Total 24cp

SMJ09054 Information and Media

58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
		Total 24cp

SMJ09055 Marine Biology

This major is only available to students enrolled in the Bachelor of Science in Environmental Forensics (C10227) (see page 239), or the Bachelor of Science (C10242) (see page 248) in the majors Environmental Biology (MAJ01106) or Environmental Forensics (MAJ01108).

Completion requirements

66513	Marine Geosciences	6cp
91118	Fisheries Resources	6cp
91126	Coral Reef Ecosystems	6cp
Select one of the following:		6cp
91157	Marine Communities	6cp
91156	Marine Productivity and Climate Change	6cp
		Total 24cp

SMJ09056 Environmental Protection

This major is only available to students enrolled in the Bachelor of Science in Marine Biology (C10228) (see page 240), or the Bachelor of Science (C10242) (see page 248) in the majors Environmental Biology (MAJ01106) or Marine Biology (MAJ01107).

Completion requirements

91309	Biodiversity Conservation	6cp
91159	Environmental Forensics	6cp
91155	Stream and Lake Assessment	6cp
79004	Environmental Law and Science	6cp
		Total 24cp

SMJ09057 Environmental Biology

This major is only available to students enrolled in the Bachelor of Science in Environmental Forensics (C10227) (see page 239), Bachelor of Science in Marine Biology (C10228) (see page 240), or the Bachelor of Science (C10242) (see page 248) in the majors Marine Biology (MAJ01107), or Environmental Forensics (MAJ01108).

Completion requirements

91155	Stream and Lake Assessment	6cp
91116	Wildlife Ecology	6cp
91159	Environmental Forensics	6cp
Select one of the following:		6cp
91371	Forest and Mountain Ecology	6cp
91370	Semi-arid Ecology	6cp
91163	Alpine and Lowland Ecology	6cp
		Total 24cp

SMJ09058 Econometrics

The analysis of economic data is a key economic skill. This sub-major provides analytical skills in data analysis that are both valuable for research and highly valued by employers in a range of work areas.

It is recommended that 23565 Mathematics for Economics and Business be completed before 23572 Applied Microeconometrics and 25573 Time Series Econometrics.

Completion requirements

23571	Introductory Econometrics	6cp
23565	Mathematics for Economics and Business	6cp
23572	Applied Microeconometrics	6cp
25573	Time Series Econometrics	6cp
		Total 24cp

SMJ09059 Business Law

70327	Commercial Law	6cp
71116	Remedies	6cp
Select 12 credit points from the following options:		12cp
77716	International Trade Law	6cp
77715	Banking Law	6cp
79771	Dispute Resolution	6cp
77724	International Banking and Finance Law	6cp
77745	Negotiation	6cp
77901	Securities Markets Law	6cp
77938	Introduction to Taxation Law	6cp
77942	Legal Aspects of Contracts Administration	6cp
		Total 24cp

SMJ09060 Australian Language and Culture Studies

59715	Australian Workplace Cultures	8cp
59716	Australian Environment	8cp
59717	Indigenous and Migrant Cultures	8cp
		Total 24cp

SMJ10011 Photography

88305	Photography 1: Documentation	6cp
88405	Photography 2: Communication	6cp
88505	Photography 3: Fabrication	6cp
88605	Photography 4: Construction	6cp
		Total 24cp

SMJ10012 Textile Design

Free choice of electives.

SMJ10013 Film and Video

88308	Introduction to Design for 2D Animation	6cp
88408	Advanced Design for 2D Animation	6cp
88503	Introduction to Production Design	6cp
88603	Advanced Production Design	6cp
		Total 24cp

SMJ10016 Furniture Design

88316	Furniture Context and Language	6cp
88416	Furniture Production and Materials	6cp
88516	Furniture Industry and Development	6cp
88616	Furniture Prototype	6cp
		Total 24cp

SMJ10017 Design for Theatre

88333	Design for Stage and Theatre: Contemporary	6cp
88444	Design for Stage and Theatre: Classics	6cp
88555	Design for Theatre: Special Performances	6cp
88666	Design for Theatre: Self-Devised Project	6cp
		Total 24cp

SMJ10019 Exhibition Design

88323	Exhibition Design: Practice	6cp
88424	Exhibition Design: Concepts and Strategies	6cp
88525	Exhibition Design: Process-based Project	6cp
88626	Exhibition Design: Methods of Interpretation Project	6cp
		Total 24cp

SMJ10020 Architectural Studies

Select 24 credit points from the following options:			24cp
11211	Architectural Design: Forming	6cp	
11212	Architectural History and Theory: Orientations	6cp	
11214	Architectural Design: Architectural Communications	6cp	
11216	Architectural History and Theory: Modernity and Modernism	6cp	
11208	Architectural Design: Architectural Communications 2	6cp	
11205	Architecture Culture and Environment	6cp	
11206	Introduction to Construction and Structural Synthesis	6cp	
11209	Architectural Design: Making	6cp	
			Total 24cp

SMJ10026 Object and Accessory Design

Free choice of electives.

SMJ10028 International Exchange

The International Exchange sub-major provides participants with the opportunity to study at an overseas institution and receive credit towards the MBA on completion of their study. It provides the opportunity to have an international study experience and to experience business operations in an international environment.

Completion requirements

99021	International Exchange Subject 1	6cp
99022	International Exchange Subject 2	6cp
99023	International Exchange Subject 3	6cp
99024	International Exchange Subject 4	6cp
		Total 24cp

SMJ10030 Nanotechnology

65307	Physical Chemistry 1	6cp
67509	Molecular Nanotechnology	6cp
91140	BioNanotechnology	6cp
67510	Surface Processes	6cp
		Total 24cp

SMJ10031 Physics

68416	Computational Physics	6cp
68412	Energy Science and Technology	6cp
68414	Advanced Mechanics	6cp
68415	Measurement and Analysis of Physical Processes	6cp
		Total 24cp

SMJ10032 Media Studies

This sub-major invites students to investigate the role of media in their lives and in globalised social environments by exploring key media theories and carrying out original media research.

The first subject explores significant media debates and the evolution of media theories from all-powerful models of the media to more nuanced understandings of media influence, asking key questions including: What is a medium? How do people use media? How do the media 'use' people?

In the second subject students explore key research traditions, ways to study how people use media in their daily lives and ways of reflecting on how individuals shape their identity through social media and what it means to work as a media professional in contemporary Australian media industries.

The third subject equips students to analyse changing concepts of media audiences from passive recipients to active producers.

To develop students' research expertise in ways which help to prepare them for honours, postgraduate study, and careers in the media and in media research, students tackle research design, formulation of research questions, media research methods, literature reviewing, critical appraisal, and reporting their findings in research genres.

Further information on this sub-major can be found at:
www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58226	Media, Mediation, Power	8cp
58324	Investigating Media, Reflective Practices	8cp
58325	Audiences, Users, Publics, Communities	8cp
		Total 24cp

SMJ10033 Screen Studies

In this sub-major, the first subject focuses on key movements and directors in cinema history, and key theories and debates that have defined film studies as a discipline. The second subject explores the ways in which various media (focusing on film, but also on television, video, and new media) inform and/or challenge our understanding of the past and its relationship to the present. Finally, the third subject focuses on a diverse range of contemporary films that are innovative and experimental in their structure and which are explored in conjunction with contemporary debates in film studies on the relationship between aesthetics, politics, affect, and experience. Each of the subjects are international in their focus and students engage critically and creatively with visual texts from, among other countries, France, Spain, Italy, Germany, China, Taiwan, Iran, Lebanon, Canada, the UK, Australia, New Zealand, Finland, Denmark, and the USA.

The sub-major appeals to students who have an interest in film (and other visual media), and who are keen to develop the vocabulary and skills to think and write about the history and theory of these media in an informed, critical, and scholarly way.

Further information on this sub-major can be found at:
www.communication.uts.edu.au/courses/submajors.html

Completion requirements

58225	Introduction to Film Studies	8cp
58322	Screening the Past	8cp
58323	Contemporary World Cinema	8cp
		Total 24cp

SMJ10034 Journalism

58110	Introduction to Journalism	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
		Total 24cp

SMJ10035 Image Studies

80067	Photographic Context 1		6cp
80068	Photographic Context 2		6cp
80035	Photographic Artifice		6cp
Select 6 credit points from the following options:			6cp
80033	Professional Practice: Photography	6cp	
80063	Professional Practice: Situated/ Interactive Media	6cp	
			Total 24cp

SMJ10036 Innovation Technologies

85500	Design Futures: Creative Technologies	6cp
80034	Physical and Tangible Media Interfaces for Design Expression	6cp
80214	Locative and Sensor Design Technologies	6cp
80063	Professional Practice: Situated/Interactive Media	6cp
		Total 24cp

SMJ10037 Composition

This sub-major is not available in 2014.

Completion requirements

50839	Sound for Time-based Media	6cp
50840	Notation and Scoring	6cp
50841	Orchestration and Timbre	6cp
50842	Electro-acoustic Composition	6cp
		Total 24cp

SMJ10038 Interaction Design

This sub-major is not available in 2014.

Completion requirements

50839	Sound for Time-based Media	6cp
50843	Live Sound	6cp
50844	Musical Instrument Design	6cp
50845	Sound Systems	6cp
		Total 24cp

SMJ10040 Communication

58101	Understanding Communication	8cp
58102	Language and Discourse	8cp
58103	Ideas in History	8cp
		Total 24cp

SMJ10041 Writing and Cultural Studies

58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
		Total 24cp

SMJ10042 Media Arts and Production

57166	Documentary Production	8cp
57167	Moving Image	8cp
57168	Sound and Interaction	8cp
		Total 24cp

SMJ10043 Journalism

57011	Research and Reporting for Journalism	8cp
57156	Radio Journalism	8cp
57158	Television and Video Journalism	8cp
		Total 24cp

SMJ10044 Screenwriting

57101	Advanced Screenwriting	8cp
57142	Writing for the Screen	8cp
57154	Writing Television Drama	8cp
		Total 24cp

SMJ10047 VFX Design

88201	Animation Studio: VFX Design Introduction	12cp
88202	Animation Studio: VFX Design Advanced	12cp
		Total 24cp

SMJ10048 Network Security

48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
41900	Fundamentals of Security	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
CBK90366	ICT choice	18cp
		Total 54cp

SMJ10049 Network Security

48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
41900	Fundamentals of Security	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
CBK90368	ICT choice	6cp
		Total 42cp

SMJ10050 Network Security

48740	Communications Networks	6cp
31275	Mobile Networking	6cp
48750	Network Planning and Management	6cp
41900	Fundamentals of Security	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
CBK90367	ICT choice	12cp
		Total 48cp

SMJ10051 Network Security

41900	Fundamentals of Security	6cp
48730	Network Security	6cp
48436	Digital Forensics	6cp
Select 6 credit points from the following options:		6cp
35111	Applications of Discrete Mathematics	6cp
31338	Network Servers	6cp
41890	Applying Network Security	6cp
		Total 24cp

SMJ10052 Transnational Studies (Global Studies)

Select 24 credit points from the following options:		24cp
58319	Rights and Territories	8cp
58316	Sex, Race and Empire	8cp
58317	Transnational Media	8cp
58323	Contemporary World Cinema	8cp
		Total 24cp

STREAMS

STM90005 Chinese stream (LOTE)

Free choice of electives.

STM90006 French stream (LOTE)

Free choice of electives.

STM90007 German stream (LOTE)

Free choice of electives.

STM90010 Italian stream (LOTE)

Free choice of electives.

STM90011 Japanese stream (LOTE)

Free choice of electives.

STM90014 Spanish stream (LOTE)

Free choice of electives.

STM90016 China: Specialist Country Studies stream

976111	Contemporary China	8cp
CBK90487	Chinese Language and Culture	16cp
		Total 24cp

STM90017 France: Specialist Country Studies stream

CBK90490	French Language and Culture	16cp
976411	Contemporary France	8cp
		Total 24cp

STM90018 Germany: Specialist Country Studies stream

CBK90492	German Language and Culture	16cp
976421	Contemporary Germany	8cp
		Total 24cp

STM90020 Italy: Specialist Country Studies stream

CBK90493	Italian Language and Culture	16cp
976431	Contemporary Italy	8cp
		Total 24cp

STM90021 Japan: Specialist Country Studies stream

976211	Contemporary Japan	8cp
CBK90488	Japanese Language and Culture	16cp
		Total 24cp

STM90022 Latin America: Specialist Country Studies stream

976502	Contemporary Latin(o) Americas	8cp
CBK90491	Spanish Language and Culture	16cp
		Total 24cp

STM90023 Spain: Specialist Country Studies stream

CBK90491	Spanish Language and Culture	16cp
976451	Contemporary Spain	8cp
		Total 24cp

STM90068 Capstone project + electives

48006	Capstone Project	6cp
Select 6 credit points of electives		6cp
		Total 12cp

STM90070 Physical Modelling subjects

Free choice of electives.

STM90078 Project

Select one of the following:		24cp
49058	Graduate Project (24cp in 1 semester)	24cp
		Total 24cp

STM90079 Project

Free choice of electives.

STM90080 Project + two electives

CBK90743	Electives		12cp
Select 18 credit points from the following options:			18cp
STM90606	Project (two semesters) (FT)	18cp	
STM90607	Project (three semesters)	18cp	
STM90608	Project (two semesters) (PT)	18cp	
49052	Graduate Project (18cp in 1 semester)	18cp	
			Total 30cp

STM90081 Project + one elective

CBK90230	Elective		6cp
Select 24 credit points from the following options:			24cp
STM90609	Project (two semesters) (FT)	24cp	
STM90610	Project (three semesters)	24cp	
STM90611	Project (two semesters) (PT)	24cp	
49058	Graduate Project (24cp in 1 semester)	24cp	
			Total 30cp

STM90082 Project

Select 30 credit points from the following options:			30cp
STM90613	Project (two semesters)	30cp	
STM90612	Project (three semesters) (PT)	30cp	
49017	Graduate Project (30cp in 1 semester)	30cp	
STM90614	Project (three semesters) (FT)	30cp	
			Total 30cp

STM90085 Industrial Law stream

Free choice of electives.

STM90090 Project (two semesters)

57104	Information and Knowledge Management Project Part A	4cp
57105	Information and Knowledge Management Project Part B	12cp
		Total 16cp

STM90091 Professional Project

Free choice of electives.

STM90092 Journalism Research Project (PT)

Free choice of electives.

STM90093 Film and Video stream

CBK90039	Media Arts choice	16cp
CBK90040	Media Production choice	16cp
		Total 48cp

STM90094 New Media stream

CBK90239	400-level Media Arts subjects	8cp
CBK90504	New Media choice	8cp
CBK90505	Media Production choice	16cp
		Total 48cp

STM90095 Sound stream

CBK90240	Electives	8cp
CBK90241	Electives (Sound)	8cp
CBK90274	Media Arts subjects	8cp
		Total 48cp

STM90096 Media Arts and Production project (two semesters)

Free choice of electives.

STM90097 Option 1: Project (one semester)

Free choice of electives.

STM90098 Option 2: Project (two semesters)

Free choice of electives.

STM90099 Option 3: No project

57026	Strategic Communication and Negotiation	8cp
		Total 24cp

STM90100 Project (two semesters)

Free choice of electives.

STM90102 Practical Legal Training stream

75402	Property Transactions	6cp
75403	Commercial and Estate Practice	6cp
75420	Ethics and Professional Conduct	6cp
		Total 24cp

STM90106 Core subjects

68037	Physical Modelling	6cp
33130	Mathematical Modelling 1	6cp
33230	Mathematical Modelling 2	6cp
48230	Engineering Communication	6cp
48240	Design and Innovation Fundamentals	6cp
48250	Engineering Economics and Finance	6cp
48270	Entrepreneurship and Commercialisation	6cp
48260	Engineering Project Management	6cp
		Total 48cp

STM90107 Core subjects (Engineering)

68037	Physical Modelling	6cp
33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
33230	Mathematical Modelling 2	6cp
48240	Design and Innovation Fundamentals	6cp
48250	Engineering Economics and Finance	6cp
48260	Engineering Project Management	6cp
		Total 42cp

STM90108 Core subjects (Business)

23115	Economics for Business	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
26100	Integrating Business Perspectives	6cp
25300	Fundamentals of Business Finance	6cp
21129	Managing People and Organisations	6cp
22207	Accounting for Business Decisions B	6cp
		Total 42cp

STM90109 No specified specialisation

Free choice of electives.

STM90111 Research project (Law PG)

777251	Research Project 1 (PG)	6cp
777252	Research Project 2	6cp
		Total 12cp

STM90112 Law graduate entrant stream

Select 24 credit points from the following options:			24cp
78026	Business and Law in China	6cp	
77704	European Union Law	6cp	
78015	Global Aspects of Intellectual Property Law	6cp	
77783	International Commercial Dispute Resolution	6cp	
77724	International Banking and Finance Law	6cp	
77751	International Commercial Arbitration	6cp	
77701	International Economic Law (PG)	6cp	
78011	International Sale of Goods	6cp	
78023	International Trade Law and the Environment	6cp	
77976	World Trade Organisation Law and Practice	6cp	
78008	Law of the Sea	6cp	
77740	Research Paper	6cp	
77716	International Trade Law	6cp	
78201	International Development Law	6cp	
78010	International Criminal Law	6cp	
78016	International Humanitarian Law	6cp	
78107	Climate Law and Carbon Markets	6cp	
78126	Corporate Governance	6cp	
78141	International and Comparative Family Law	6cp	
78153	International Commercial Transactions	6cp	
78156	International Environmental Law: Policy and Implementation	6cp	
78158	Private International Law	6cp	
78182	Human Rights Law	6cp	
78212	Communications and Technology: A Primer	6cp	
78188	Intellectual Property Commercialisation	6cp	
78184	Intellectual Property: Law and Policy	6cp	
78222	Law of Slavery and Human Trafficking	6cp	
78216	Competition Law in a Global Context	6cp	
78218	Animal Law and Policy in Australia	6cp	
78206	International Organisations	6cp	
			Total 24cp

STM90113 Non-law graduate entrant stream

77885	Legal Process and Legal Research	6cp
Select 18 credit points from the following options:		18cp
77704	European Union Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77976	World Trade Organisation Law and Practice	6cp
77740	Research Paper	6cp
77783	International Commercial Dispute Resolution	6cp
78008	Law of the Sea	6cp
78011	International Sale of Goods	6cp
78023	International Trade Law and the Environment	6cp
77701	International Economic Law (PG)	6cp
78015	Global Aspects of Intellectual Property Law	6cp
78026	Business and Law in China	6cp
77716	International Trade Law	6cp
78201	International Development Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78010	International Criminal Law	6cp
78016	International Humanitarian Law	6cp
78107	Climate Law and Carbon Markets	6cp
78126	Corporate Governance	6cp
78141	International and Comparative Family Law	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78182	Human Rights Law	6cp
78212	Communications and Technology: A Primer	6cp
78218	Animal Law and Policy in Australia	6cp
78222	Law of Slavery and Human Trafficking	6cp
78216	Competition Law in a Global Context	6cp
78206	International Organisations	6cp
		Total 24cp

STM90114 Law graduate entrant stream

Select 48 credit points from the following options:		48cp
77704	European Union Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77740	Research Paper	6cp
77783	International Commercial Dispute Resolution	6cp
77976	World Trade Organisation Law and Practice	6cp
78008	Law of the Sea	6cp
78011	International Sale of Goods	6cp
78023	International Trade Law and the Environment	6cp
78026	Business and Law in China	6cp
77701	International Economic Law (PG)	6cp
78015	Global Aspects of Intellectual Property Law	6cp
STM90111	Research project (Law PG)	12cp
77716	International Trade Law	6cp
78201	International Development Law	6cp
78010	International Criminal Law	6cp
78016	International Humanitarian Law	6cp
78107	Climate Law and Carbon Markets	6cp
78126	Corporate Governance	6cp
78141	International and Comparative Family Law	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78182	Human Rights Law	6cp
78212	Communications and Technology: A Primer	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78222	Law of Slavery and Human Trafficking	6cp
78216	Competition Law in a Global Context	6cp
78218	Animal Law and Policy in Australia	6cp
78206	International Organisations	6cp
		Total 48cp

STM90115 Non-law graduate entrant stream

77885	Legal Process and Legal Research	6cp
Select 42 credit points from the following options:		42cp
77704	European Union Law	6cp
77724	International Banking and Finance Law	6cp
77751	International Commercial Arbitration	6cp
77976	World Trade Organisation Law and Practice	6cp
77740	Research Paper	6cp
77783	International Commercial Dispute Resolution	6cp
78008	Law of the Sea	6cp
78011	International Sale of Goods	6cp
78023	International Trade Law and the Environment	6cp
77701	International Economic Law (PG)	6cp
78015	Global Aspects of Intellectual Property Law	6cp
STM90111	Research project (Law PG)	12cp
78026	Business and Law in China	6cp
77716	International Trade Law	6cp
78201	International Development Law	6cp
78188	Intellectual Property Commercialisation	6cp
78184	Intellectual Property: Law and Policy	6cp
78010	International Criminal Law	6cp
78016	International Humanitarian Law	6cp
78107	Climate Law and Carbon Markets	6cp
78126	Corporate Governance	6cp
78141	International and Comparative Family Law	6cp
78153	International Commercial Transactions	6cp
78156	International Environmental Law: Policy and Implementation	6cp
78158	Private International Law	6cp
78182	Human Rights Law	6cp
78212	Communications and Technology: A Primer	6cp
78222	Law of Slavery and Human Trafficking	6cp
78216	Competition Law in a Global Context	6cp
78218	Animal Law and Policy in Australia	6cp
78206	International Organisations	6cp
		Total 48cp

STM90141 Performance Studies stream

27149	Performance Studies 1: Gymnastics and Dance	6cp
27249	Performance Studies 2: Dance and Athletics	6cp
27349	Performance Studies 3: Sport and Aquatics	6cp
27449	Performance Studies 4: Skill Acquisition (Sport)	6cp
		Total 24cp

STM90142 Project (two semesters)

Free choice of electives.

STM90143 Project (two semesters)

Free choice of electives.

STM90176 Core subjects

27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
27180	Functional Kinesiology	6cp
27111	Mechanics of Human Motion	6cp
21129	Managing People and Organisations	6cp
27152	Measurement and Development of Physical Capacity	6cp
22107	Accounting for Business Decisions A	6cp
27252	The Sport Industry	6cp
27171	Applied Kinesiology	6cp
27160	Sport and Exercise Psychology	6cp
27307	Sport Management	6cp
27155	Research for Human Movement	6cp
27175	Energetics of Human Movement	6cp
27222	Exercise Prescription	6cp
27105	Nutrition for Health and Physical Activity	6cp
24108	Marketing Foundations	6cp
27308	Exercise Management for Special Populations	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27628	Law for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp
27161	Sport Marketing	6cp
		Total 120cp

STM90177 Graduate project

Free choice of electives.

STM90178 Core subjects

27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
27180	Functional Kinesiology	6cp
27111	Mechanics of Human Motion	6cp
91429	Physiological Bases of Human Movement	6cp
27152	Measurement and Development of Physical Capacity	6cp
27228	Lifespan Development	6cp
27252	The Sport Industry	6cp
27171	Applied Kinesiology	6cp
27160	Sport and Exercise Psychology	6cp
27155	Research for Human Movement	6cp
27175	Energetics of Human Movement	6cp
27222	Exercise Prescription	6cp
27105	Nutrition for Health and Physical Activity	6cp
27331	Skill Acquisition	6cp
27227	Critical Issues in Health and Wellbeing	6cp
27308	Exercise Management for Special Populations	6cp
27341	Health Promotion	6cp
27174	Analysis of Human Motion	6cp
27350	Professional Internship (Capstone)	6cp
27173	Human Performance in Sport and Exercise	6cp
		Total 120cp

STM90181 Project (Social Inquiry) (two semesters)

Free choice of electives.

STM90182 Thesis stream

Free choice of electives.

STM90184 Locating Oneself in Global Learning stream

Free choice of electives.

STM90190 Chinese Language stream

Free choice of electives.

STM90191 French Language stream

Free choice of electives.

STM90192 German Language stream

Free choice of electives.

STM90195 Italian Language stream

Free choice of electives.

STM90196 Japanese Language stream

Free choice of electives.

STM90199 Spanish Language stream

Free choice of electives.

STM90202 Programming and Design stream

Free choice of electives.

STM90203 Distributed Network Computing stream

Free choice of electives.

STM90210 Accounting stream

22901	Accounting Research and Consulting Skills	6cp
22902	Financial Reporting, Capital Markets and Disclosure	6cp
22903	Contemporary Issues in Management Accounting Research	6cp
22908	Current Issues in Corporate Governance and Assurance	6cp
22906	Thesis in Accounting	24cp
		Total 48cp

STM90211 Finance and Economics stream

Select 48 credit points from the following options:		48cp
CBK90536	Finance strand	48cp
CBK90537	Economics strand	48cp
		Total 48cp

STM90212 Management stream

Subjects 21914 Readings and Reflecting on Management and 21915 Management and Organisation Seminars are only available to students who have completed MAJ08046 Extended Management.

Completion requirements

21908	Advanced Management and Organisation Research Methods	6cp
21910	Researching Organisations and Management	6cp
Select one of the following:		6cp
21907	Research Methods and Approaches in Management and Organisations	6cp
21914	Readings and Reflecting on Management	6cp
Select one of the following:		6cp
21909	Advanced Organisation and Management Theorising	6cp
21915	Management and Organisation Seminars	6cp
21912	Thesis Proposal in Management (Honours)	6cp
21913	Thesis in Management (Honours)	18cp
		Total 48cp

STM90213 Marketing stream

24901	Philosophy of Science and Theory	6cp
24770	Thesis in Marketing (Honours) 1	6cp
24771	Thesis in Marketing (Honours) 2	18cp
Select one of the following:		6cp
24902	Research Methodology and Data Analysis Techniques	6cp
24758	Readings in Marketing	6cp
Select one of the following:		6cp
24908	Research Design and Data Collection Techniques	6cp
21751	Management Research Methods	6cp
Select one of the following:		6cp
24331	Marketing Analytics and Decisions	6cp
23908	Economic Modelling	6cp
		Total 48cp

STM90216 Core subjects

Free choice of electives.

STM90225 Core subjects (SMD)

50830	Contemporary Music 1	6cp
50831	Sonology	6cp
50832	Electronic Music Composition	6cp
50833	Speech, Music, Sound	6cp
50834	Audio Production	6cp
50835	Audio Culture	6cp
50836	Sonic Art	6cp
50837	Contemporary Music 2	6cp
50838	Professional Practice (SMD)	6cp
		Total 54cp

STM90226 Core subjects

Free choice of electives.

STM90228 Core subjects

Free choice of electives.

STM90253 Project (Cultural Studies) (two semesters)

Free choice of electives.

STM90266 Latino USA: Specialist Country Studies stream

976502	Contemporary Latin(o) Americas	8cp
CBK90491	Spanish Language and Culture	16cp
		Total 24cp

STM90271 Engineering practice program

48121	Engineering Practice Preview 1	3cp
48110	Engineering Experience 1	0cp
48122	Engineering Practice Review 1	3cp
48141	Engineering Practice Preview 2	3cp
48130	Engineering Experience 2	0cp
48142	Engineering Practice Review 2	3cp
		Total 12cp

STM90272 Core subjects (Engineering)

68037	Physical Modelling	6cp
33130	Mathematical Modelling 1	6cp
33230	Mathematical Modelling 2	6cp
48230	Engineering Communication	6cp
48240	Design and Innovation Fundamentals	6cp
48260	Engineering Project Management	6cp
		Total 36cp

STM90273 Core subjects (Business)

22107	Accounting for Business Decisions A	6cp
21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
23115	Economics for Business	6cp
25300	Fundamentals of Business Finance	6cp
26134	Business Statistics	6cp
26100	Integrating Business Perspectives	6cp
22207	Accounting for Business Decisions B	6cp
		Total 48cp

STM90274 Core subjects (Biotechnology)

65111	Chemistry 1	6cp
91161	Cell Biology and Genetics	6cp
65212	Chemistry 2	6cp
91140	BioNanotechnology	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91142	Biotechnology	6cp
91144	Plant Biotechnology	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
Select one of the following:		6cp
91335	Molecular Biology 2	6cp
91359	Advanced Immunology	6cp
91132	Molecular Biology 1	6cp
91368	Bioreactors and Bioprocessing	6cp
Select 6 credit points from the following options:		6cp
91326	Analytical Biochemistry	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp
		Total 78cp

STM90284 Core subjects (Biotechnology)

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91142	Biotechnology	6cp
91326	Analytical Biochemistry	6cp
91401	Introductory Haematology and Immunology	6cp
Select one of the following:		6cp
91359	Advanced Immunology	6cp
91335	Molecular Biology 2	6cp
91369	Biobusiness and Environmental Biotechnology	6cp
91368	Bioreactors and Bioprocessing	6cp
91144	Plant Biotechnology	6cp
Select 6 credit points from the following options:		6cp
91129	Transfusion Science	6cp
91345	Biochemistry, Genes and Disease	6cp
91352	Parasitology	6cp
		Total 96cp

STM90285 Core subjects (Accounting)

22107	Accounting for Business Decisions A	6cp
22207	Accounting for Business Decisions B	6cp
22157	Australian Corporate Environment	6cp
26100	Integrating Business Perspectives	6cp
25300	Fundamentals of Business Finance	6cp
23115	Economics for Business	6cp
24108	Marketing Foundations	6cp
22605	Accounting Information Systems	6cp
26134	Business Statistics	6cp
		Total 54cp

STM90288 Core subjects

27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
27126	Event and Leisure Industries	6cp
24108	Marketing Foundations	6cp
21129	Managing People and Organisations	6cp
27326	Diversity Management	6cp
23115	Economics for Business	6cp
27703	Event Management	6cp
22107	Accounting for Business Decisions A	6cp
27115	Arts and Entertainment Industries	6cp
27192	Event Impacts and Legacies	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
27116	e-Marketing and Management of Services	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp
27361	Industry Project 1	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27216	Venue Management	6cp
27362	Industry Project 2	6cp
27628	Law for Leisure, Sport and Tourism	6cp
27345	Creating Event Experiences	6cp
		Total 120cp

STM90289 Core subjects

27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
27184	Dimensions of Tourism	6cp
24108	Marketing Foundations	6cp
23115	Economics for Business	6cp
27648	The Tourism Business	6cp
27327	Tourism and Sustainability	6cp
21129	Managing People and Organisations	6cp
22107	Accounting for Business Decisions A	6cp
27642	Tourism Marketing	6cp
27185	The Tourist Experience	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
27116	e-Marketing and Management of Services	6cp
27323	Government and Policy for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp
27361	Industry Project 1	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27523	Planning for Sustainable Destinations	6cp
27362	Industry Project 2	6cp
27628	Law for Leisure, Sport and Tourism	6cp
27348	Critical Issues in Global Tourism	6cp
		Total 120cp

STM90290 Core subjects

27642	Tourism Marketing	6cp
27184	Dimensions of Tourism	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
27185	The Tourist Experience	6cp
27648	The Tourism Business	6cp
27327	Tourism and Sustainability	6cp
27703	Event Management	6cp
27116	e-Marketing and Management of Services	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27523	Planning for Sustainable Destinations	6cp
		Total 60cp

STM90291 Core subjects

21134	Introduction to Community Management	6cp
21143	Current Issues in the Community Sector	6cp
21043	Australian Indigenous Studies	6cp
013953	Adult Learning in Context	6cp
21224	Indigenous Community Research	6cp
21225	Managing Human Resources in Indigenous Organisations	6cp
013980	Identity, Culture and Communication	6cp
21041	Australian Indigenous Social and Political Development	6cp
013954	Program Design	6cp
21136	Resource Management in Nonprofit Organisations	6cp
21223	Social Analysis and Indigenous Community Organisations	6cp
013977	Teaching and Learning in Practice	6cp
21044	Strategic Management of Nonprofit Organisations	6cp
015033	Programming for Community Learning	6cp
21140	Monitoring Organisational Performance	6cp
21185	Social Change and Community Practice	6cp
21042	Australian Indigenous Studies Research Project	6cp
21184	Government and Community Sector	6cp
013978	Research and Inquiry	6cp

21058	Management Project	6cp
21183	Funds Development	6cp
21040	Advocacy and Social Change	6cp
21211	Indigenous Community Organisation Practicum	6cp
21045	Career Development in Indigenous Community Management	6cp
		Total 144cp

STM90317 Core subjects (Quantitative Finance)

25832	Financial Markets Instruments	6cp
25834	Portfolio Analysis	6cp
25837	Financial Econometrics	6cp
25849	Financial Risk Management	6cp
25850	Credit Risk	6cp
25851	Mathematical Finance	6cp
25852	Numerical Analysis for Quantitative Finance	6cp
25853	Computational Methods and Model Implementation	6cp
25854	Statistical Methods for Quantitative Finance	6cp
25855	Fundamentals of Derivative Security Pricing	6cp
25856	Probability Theory and Stochastic Processes	6cp
25857	Interest Rate Modelling	6cp
		Total 72cp

STM90318 Core subjects (Quantitative Finance)

25832	Financial Markets Instruments	6cp
25834	Portfolio Analysis	6cp
25837	Financial Econometrics	6cp
25854	Statistical Methods for Quantitative Finance	6cp
25855	Fundamentals of Derivative Security Pricing	6cp
25856	Probability Theory and Stochastic Processes	6cp
CBK90424	Options	12cp
		Total 48cp

STM90324 Mathematics foundation subjects

35101	Introduction to Linear Dynamical Systems	6cp
35140	Introduction to Quantitative Management	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35151	Introduction to Statistics	6cp
35212	Computational Linear Algebra	6cp
35231	Differential Equations	6cp
35111	Applications of Discrete Mathematics	6cp
35363	Stochastic Models	6cp
35353	Regression Analysis	6cp
35383	High Performance Computing	6cp
Select 12 credit points from the following options:		12cp
35241	Optimisation in Quantitative Management	6cp
35232	Advanced Calculus	6cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35356	Design and Analysis of Experiments	6cp
35361	Stochastic Processes	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
		Total 72cp

STM90325 Key Learning Areas

012208	English Education 1	6cp
012209	English Education 2	6cp
012210	Mathematics Teaching and Learning 1	6cp
012211	Mathematics Teaching and Learning 2	6cp
012212	Mathematics Teaching and Learning 3	6cp
012213	Learning in Science and Technology 1	6cp
012214	Learning in Science and Technology 2	6cp
012215	Social and Environmental Education 1	6cp
012216	Social and Environmental Education 2	6cp
012217	Personal Development, Health and Physical Education 1	6cp
012218	Personal Development, Health and Physical Education 2	6cp
012219	Music, Movement and Dance	6cp
012220	Visual Arts Education	6cp
		Total 78cp

STM90326 Contextual Studies

012221	Philosophical and Ethical Practice in Education	6cp
012222	Child Development	6cp
012223	Research in Learning	6cp
012224	Sociology of Education	6cp
012225	Issues in Indigenous Australian Education	6cp
		Total 30cp

STM90328 Professional Experience

012231	Professional Experience 1: Beginning Teaching	6cp
012232	Professional Experience 2: Developing Classroom Management	6cp
012233	Professional Experience 3: Integrating Learning Technologies	6cp
012234	Professional Experience 4: Integrating Diverse Contexts in Education	6cp
012235	Professional Experience 5: Teaching Students with Special Educational Needs	6cp
012236	Professional Experience 6: Programming and Assessing in Education	6cp
012237	Professional Experience 7: Meeting the English Language Needs of Learners	6cp
012238	Professional Experience 8: Reflecting on Educational Practice	6cp
		Total 48cp

STM90329 Core subjects (Investigative Journalism)

57161	Investigative Journalism	8cp
57152	Investigative Research in the Digital Environment	8cp
		Total 16cp

STM90330 Standard entry (BN)

STM90710	Core subjects	96cp
STM90711	Core subjects	48cp
		Total 144cp

STM90331 Accelerated entry (BN)

Select one of the following:		144cp
STM90551	Graduate Entry	144cp
STM90552	Enrolled Nurse Entry 1	144cp
STM90553	Enrolled Nurse Entry 2	144cp
		Total 144cp

STM90334 Core subjects (Finance)

25705	Financial Modelling and Forecasting	6cp
25741	Capital Markets	6cp
25721	Investment Management	6cp
22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
25765	Corporate Finance	6cp
25731	International Finance	6cp
		Total 48cp

STM90335 Core subjects

25742	Financial Management	6cp
22747	Accounting for Managerial Decisions	6cp
25741	Capital Markets	6cp
		Total 24cp

STM90341 Core subjects (Accounting and Finance)

25742	Financial Management	6cp
22747	Accounting for Managerial Decisions	6cp
79708	Contemporary Business Law	6cp
		Total 24cp

STM90343 Core subjects (Accounting Information Systems)

22708	Accounting Information Systems	6cp
22747	Accounting for Managerial Decisions	6cp
22759	Accounting and ERP	6cp
22766	Assurance for Enterprise Systems	6cp
		Total 24cp

STM90344 Core subjects

27800	Applied Leadership and Strategy	8cp
25841	Decision Making Tools	8cp
21875	Organisational Behaviour in Practice	8cp
22814	Accounting Information for Managers	8cp
23845	Managerial Economics	8cp
21874	Corporate Governance and Sustainability	8cp
25846	Managerial Finance	8cp
24800	Managerial Marketing	8cp
21873	Global Business Strategies	8cp
		Total 72cp

STM90345 Core subjects

21878	Organisational Dialogue: Theory and Practice	6cp
21800	Management and Organisations	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
21844	Managing Work and People	6cp
25742	Financial Management	6cp
24734	Marketing Management	6cp
21715	Strategic Management	6cp
		Total 48cp

STM90348 Core subjects (Medical Science)

65111	Chemistry 1	6cp
91161	Cell Biology and Genetics	6cp
65212	Chemistry 2	6cp
91400	Human Anatomy and Physiology	6cp
91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91703	Physiological Systems	6cp
91706	Neuroscience	6cp
91705	Medical Devices and Diagnostics	6cp
91707	Pharmacology 1	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
91239	Human Pathophysiology	6cp
		Total 78cp

STM90349 Core subjects (Medical Science)

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91400	Human Anatomy and Physiology	6cp
65212	Chemistry 2	6cp
91314	General Microbiology	6cp
91703	Physiological Systems	6cp
68041	Physical Aspects of Nature	6cp
91707	Pharmacology 1	6cp
91320	Metabolic Biochemistry	6cp
91705	Medical Devices and Diagnostics	6cp
91706	Neuroscience	6cp
91708	Medical and Applied Physiology	6cp
91709	Pharmacology 2	6cp
91239	Human Pathophysiology	6cp
CBK90809	Elective (Medical Science)	6cp
Select 6 credit points from the following options:		6cp
91132	Molecular Biology 1	6cp
91330	Epidemiology and Public Health Microbiology	6cp
91401	Introductory Haematology and Immunology	6cp
		Total 96cp

STM90352 Sustainable Energy Systems stream

48661	Heat Transfer	6cp
49322	Airconditioning	6cp
49312	Advanced Flow Modelling	6cp
48670	Mechanical and Mechatronic Design	6cp
		Total 24cp

STM90353 Intelligent Systems stream

49274	Advanced Robotics	6cp
49275	Neural Networks and Fuzzy Logic	6cp
49261	Biomedical Instrumentation	6cp
48670	Mechanical and Mechatronic Design	6cp
		Total 24cp

STM90354 Computer-aided Design stream

49325	Computer-aided Mechanical Design	6cp
49312	Advanced Flow Modelling	6cp
48662	Mechanical Applications	6cp
48670	Mechanical and Mechatronic Design	6cp
		Total 24cp

STM90355 Biomedical Technology stream

91400	Human Anatomy and Physiology	6cp
Select one of the following:		6cp
91705	Medical Devices and Diagnostics	6cp
91703	Physiological Systems	6cp
49261	Biomedical Instrumentation	6cp
48670	Mechanical and Mechatronic Design	6cp
		Total 24cp

STM90356 Core subjects

33130	Mathematical Modelling 1	6cp
Select one of the following:		6cp
33230	Mathematical Modelling 2	6cp
48071	Engineering Analytical Modelling	6cp
48230	Engineering Communication	6cp
48240	Design and Innovation Fundamentals	6cp
48250	Engineering Economics and Finance	6cp
68037	Physical Modelling	6cp
		Total 36cp

STM90357 No specified major

Select one of the following:		6cp
48221	Engineering Computations	6cp
48023	Programming Fundamentals	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
Select 72 credit points from the following options:		72cp
48024	Applications Programming	6cp
48433	Software Architecture	6cp
48440	Software Engineering Practice	6cp
48770	Continuous Communications	6cp
48771	Discrete Communications	6cp
48780	Mobile Communications	6cp
48730	Network Security	6cp
48740	Communications Networks	6cp
48750	Network Planning and Management	6cp
48510	Introduction to Electrical Engineering	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48531	Electromechanical Automation	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
48540	Signals and Systems	6cp
48572	Power Circuit Theory	6cp
48451	Advanced Digital Systems	6cp
48570	Data Acquisition and Distribution	6cp
48571	Electrical Machines	6cp
48560	Introductory Control	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48621	Manufacturing Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48600	Mechanical Design 1	6cp
48640	Machine Dynamics	6cp
48642	Strength of Engineering Materials	6cp
48651	Thermodynamics	6cp
48660	Dynamics and Control	6cp
48650	Mechanical Design 2	6cp
48410	Introduction to ICT Engineering	6cp
48023	Programming Fundamentals	6cp
48541	Signal Theory	6cp
48720	Network Fundamentals	6cp
48080	Introduction to Innovation	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48821	Ecological Engineering	6cp
65111	Chemistry 1	6cp
48331	Mechanics of Solids	6cp
48330	Soil Behaviour	6cp
48641	Fluid Mechanics	6cp
48340	Construction	6cp
48352	Construction Materials	6cp
48353	Concrete Design	6cp
48350	Environmental and Sanitation Engineering	6cp
41900	Fundamentals of Security	6cp
		Total 84cp

STM90359 New Media stream

CBK90255	New Media choice	8cp
CBK90256	400-level Media Arts subjects	8cp
		Total 48cp

STM90360 Writing stream

57041	Narrative Writing	8cp
57031	Non-fiction Writing	8cp
		Total 16cp

STM90362 Advertising stream

Free choice of electives.

STM90363 Public Relations stream

Free choice of electives.

STM90364 Core subjects

013953	Adult Learning in Context	6cp
013954	Program Design	6cp
013955	Assessing Learning	6cp
013963	Cultural Diversity at Work	6cp
013966	e-Learning Experiences	6cp
013055	Organisational Workplace Learning	6cp
013974	The Psychology of Adult Learning	6cp
013959	Communication and Learning	6cp
013978	Research and Inquiry	6cp
013982	Aboriginal Cultures	6cp
		Total 60cp

STM90365 No specified major

Select 84 credit points from the following options: 84cp

21129	Managing People and Organisations	6cp
21229	Management Knowledge	6cp
21440	Management Skills	6cp
21555	Human Resource Management	6cp
013151	Project Management	6cp
013979	Organisational Learning and Change: Local and Global	6cp
21591	Transnational Management	6cp
013097	Human Resource Development in Organisations	6cp
013976	Strategic Human Resource Development	6cp
013973	Adult Education Policy in Context	6cp
013124	Work and People	6cp
010076	Professional Practice 1 Organisational Learning	6cp
010077	Professional Practice 2 Organisational Learning	6cp
013972	Organisational Learning	6cp
013980	Identity, Culture and Communication	6cp
21510	The Global Context of Management	6cp
21511	Global Operations and Supply Chain Management	6cp
		Total 84cp

STM90366 Core subjects (Finance)

25705	Financial Modelling and Forecasting	6cp
25741	Capital Markets	6cp
25721	Investment Management	6cp
22747	Accounting for Managerial Decisions	6cp
23706	Economics for Management	6cp
25742	Financial Management	6cp
25765	Corporate Finance	6cp
25731	International Finance	6cp
25743	Corporate Financial Analysis	6cp
		Total 54cp

STM90368 Honours Thesis (PT)

015430	Honours Thesis (PT) 2	12cp
015431	Honours Thesis (PT) 3	12cp
		Total 24cp

STM90369 Core subjects

83119	Thinking Fashion	6cp
83121	Fashion Communication: An Introduction	6cp
83231	Fashion Cultures	6cp
83233	Fashion Illustration Fundamentals 2	6cp
83341	Fashion, Gender and Identity	6cp
83343	Fashion Design: Past to Present	6cp
83344	Fashion Communication: Drawing and Digital Media	6cp
83772	International Design	6cp
83773	Fashion and Textiles Research Dissertation	6cp
83777	Professional Practice for Fashion and Textile Designers	6cp
85502	Researching Design History	6cp
85503	Design Thinking	6cp
		Total 120cp

STM90370 Core subjects

84110	Aesthetics in Industrial Design	6cp
84111	Understanding Three-dimensional Form	6cp
84112	Industrial Design Communications	6cp
84113	Problem Solving in Industrial Design	6cp
84114	Industrial Design Digital Communication	6cp
84115	Informing Industrial Design	6cp
84120	Structure, Form and Material in Industrial Design	6cp
84121	Computer-aided Industrial Design	6cp
84122	Ergonomics and Industrial Design	6cp
84123	Material Manipulation	6cp
84124	Sustainability and Design	6cp
84130	Product Technology	6cp
84131	Industrial Design Directions	6cp
84133	Industrial Design Theory	6cp
84134	Industrial Design Professional Communication	6cp
84135	Ecodesign Practice	6cp
84771	Industrial Design Project 700A	6cp
84772	Industrial Design Professional Practice	6cp
84780	Research Dissertation ID	6cp
84880	Major Project ID	24cp
85502	Researching Design History	6cp
85503	Design Thinking	6cp
		Total 150cp

STM90372 Core subjects

85502	Researching Design History	6cp
85503	Design Thinking	6cp
87100	VC Project: Ways of Seeing	6cp
87117	VC Technology: Visible Language	6cp
87118	VC Studies: Image Experimentation	6cp
87221	VC Studies: Histories of Visual Communication	6cp
87222	VC Project: Symbols and Systems	6cp
87333	VC Technology: Typography, Text and Form	6cp
87335	VC Project: Sequence and Narrative	6cp
87441	VC Studies: Contexts of Visual Communication	6cp
87443	VC Project: Typography in Context	6cp
87445	VC Project: Visualising Experience	6cp
87447	VC Technology: Motion Graphics	6cp
87551	VC Studies: Concepts of Professionalism	6cp

Select one of the following: 6cp

87555	VC Project: Design Practice	6cp
87500	VC Special Project	6cp

Select one of the following: 6cp

87665	VC Project: The Community	6cp
87500	VC Special Project	6cp

Select one of the following: 6cp

87772	VC Project: Self-direction	6cp
87500	VC Special Project	6cp

87780	VC Studies: Research Dissertation	6cp
87880	Major Project VC	24cp
		Total 132cp

STM90373 Core subjects (Construction)

16103	Materials Science	6cp
16105	Cost Management 1: Measurement	6cp
16109	Construction Technology 1	6cp
16203	Cost Management 2: Estimating	6cp
16265	Construction Technology 2	6cp
16206	Structures	6cp
16207	Cost Management 3: Cost Planning	6cp
16307	Project Management Integration	6cp
16263	Design Team Management	6cp
16314	Construction Technology 3	6cp
16422	Construction Technology 4	6cp
16423	Procurement and Contract Management	6cp
16912	Site Management	6cp
16913	Time and Quality Management	6cp
16914	Human Resources and Communications Management	6cp
16468	Introduction to the Built Environment	6cp
16137	Digital Built Environment	6cp
16138	Site Establishment	6cp
16212	Digital Design and Construction 1	6cp
16317	Risk and Safety Management	6cp
16412	Cost Management 4: Advanced Estimating	6cp
16470	Digital Design and Construction 2	6cp
16467	Built Environment Law and Ethics	6cp
16466	Built Environment Economics	6cp
16266	Sustainable Urban Design and Development	6cp

16471	Integrated Services	6cp
16264	Property Accounting and Financial Management	6cp
16469	Professional Practice	6cp
		Total 168cp

STM90374 Core subjects (Economics)

16266	Sustainable Urban Design and Development	6cp
16264	Property Accounting and Financial Management	6cp
16466	Built Environment Economics	6cp
16127	Building Technology	6cp
16467	Built Environment Law and Ethics	6cp
16231	Property Management	6cp
16232	Property and Political Economy	6cp
16233	Urban Planning Process	6cp
16234	Property Valuation	6cp
16235	Urban Economics	6cp
16236	Property Cash Flow Analysis	6cp
16237	Property Taxation	6cp
16238	Research Methods	6cp
16332	Investment and Portfolio	6cp
16333	Statutory Valuation and Compensation	6cp
16261	Development Management	6cp
16335	Advanced Valuation	6cp
16469	Professional Practice	6cp
16468	Introduction to the Built Environment	6cp
16137	Digital Built Environment	6cp
16267	Property Title and Spatial Data Analysis	6cp
16331	Specialised Valuation	6cp
16345	Property Trusts and Funds	6cp
16338	International Property Investment	6cp
		Total 144cp

STM90375 Core subjects

11211	Architectural Design: Forming	6cp
11212	Architectural History and Theory: Orientations	6cp
11205	Architecture Culture and Environment	6cp
11214	Architectural Design: Architectural Communications	6cp
11209	Architectural Design: Making	6cp
11216	Architectural History and Theory: Modernity and Modernism	6cp
11206	Introduction to Construction and Structural Synthesis	6cp
11208	Architectural Design: Architectural Communications 2	6cp
11221	Architectural Design: Strategy	6cp
11222	Architectural History and Theory: Critique	6cp
11227	Architectural Design: Performance	6cp
11225	Thermal Design and Environmental Control	6cp
11207	Architectural Design and Construction	6cp
11231	Architectural Design: Field	6cp
11232	Lighting, Acoustics and Advanced Environmental Control	6cp
11233	Advanced Architectural Construction	6cp
11234	Architectural Design: Integration	6cp
11204	Integrated Services	6cp
11247	Architectural History and Theory: Current Events and Debates	6cp
11248	Architectural History and Theory: Urbanism and the City	6cp
		Total 120cp

STM90376 Core subjects (Management)

21129	Managing People and Organisations	6cp
21229	Management Knowledge	6cp
21440	Management Skills	6cp
21555	Human Resource Management	6cp
		Total 24cp

STM90379 Core subjects

31478	Project Management and Quality Assurance	6cp
31479	Information Technology Professional and Society	6cp
31480	Strategic Information Technology Planning Project	6cp
		Total 96cp

STM90380 IT Experience program

31136	Preparation for and Review of IT Experience	6cp
31137	IT Experience 1	0cp
31138	Review of IT Experience	6cp
31139	IT Experience 2	0cp
		Total 12cp

STM90381 Core subjects

58324	Investigating Media, Reflective Practices	8cp
58226	Media, Mediation, Power	8cp
		Total 36cp

STM90382 Core subjects

Free choice of electives.

STM90383 Core subjects

Free choice of electives.

STM90384 Core subjects

Free choice of electives.

STM90385 Core subjects

Free choice of electives.

STM90386 Core subjects

50190	Information Research Project	8cp
		Total 68cp

STM90387 100-level disciplinary core subjects

Free choice of electives.

STM90388 Professional Experience stream (LLN)

Free choice of electives.

STM90389 Core subjects

Free choice of electives.

STM90390 Core subjects (e-Learning PG)

Free choice of electives.

STM90391 Core subjects 1 (TESOL)

Free choice of electives.

STM90392 Core subjects

023001	Psychology of Secondary Students	6cp
023124	Professional Practice in the Secondary School	6cp
023137	Professional Practice in Catering for Difference and Special Needs	6cp
023138	Social and Philosophical Aspects of Secondary Education	6cp
		Total 24cp

STM90393 Honours Thesis (Education)

015428	Honours Thesis 1	6cp
Select one of the following:		24cp
015429	Honours Thesis (FT) 2	24cp
STM90368	Honours Thesis (PT)	24cp
		Total 30cp

STM90394 Core subjects

Free choice of electives.

STM90395 Practicum stream

023111	Practicum 1: Beginning Teaching	8cp
023112	Practicum 2: Developing Classroom Management	8cp
023118	Practicum 8: Analysing Current Issues in Australian Education	6cp
		Total 62cp

STM90396 Core subjects

024213	English Education 3	6cp
028211	Science and Technology Education 1	4cp
		Total 88cp

STM90397 Special Education stream

023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
		Total 36cp

STM90399 100-level core subjects (Journalism/Law)

Free choice of electives.

STM90400 Humanities stream

STM90399	100-level core subjects (Journalism/Law)	24cp
CBK90313	Electives (Journalism)	8cp
CBK90022	200-level professional choice: Journalism	16cp
CBK90023	300-level professional choice: Journalism	16cp
STM90383	Core subjects	36cp
		Total 100cp

STM90401 Law stream

CBK90042	Options	24cp
CBK90437	Options/PLT	24cp
		Total 144cp

STM90402 Core subjects

48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
48024	Applications Programming	6cp
31266	Introduction to Information Systems	6cp
31251	Data Structures and Algorithms	6cp
31271	Database Fundamentals	6cp
31269	Business Requirements Modelling	6cp
31281	Systems Development Project	12cp
31272	Project Management and the Professional	6cp
31260	Interface Design	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
35140	Introduction to Quantitative Management	6cp
35151	Introduction to Statistics	6cp
35353	Regression Analysis	6cp
35363	Stochastic Models	6cp
35383	High Performance Computing	6cp
48440	Software Engineering Practice	6cp
		Total 120cp

STM90403 Core subjects

Free choice of electives.

STM90404 Practicum (SpecEd) stream

023111	Practicum 1: Beginning Teaching	8cp
023112	Practicum 2: Developing Classroom Management	8cp
023118	Practicum 8: Analysing Current Issues in Australian Education	6cp
		Total 62cp

STM90405 Core subjects (Design PG)

89303	Client and User-centred Designing	6cp
89304	Social Change Design	6cp
		Total 24cp

STM90409 Facility Management subjects (PG)

15323	Development Management	6cp
15324	Facility Obsolescence	6cp
		Total 24cp

STM90410 Core subjects (Facility Management)

15341	Sustainable Development	12cp
15342	Environmental Design	12cp
15343	Strategic Facility Planning	12cp
15344	Facility Performance	12cp
		Total 48cp

STM90411 Core subjects (Planning)

15301	Planning Theory and Decision Making	6cp
15302	Major Project: Methods	6cp
15303	Major Project: Analysis	6cp
15304	Major Project: Outcomes	6cp
		Total 24cp

STM90412 Core subjects (Planning)

15211	Planning Project Development Assessment	6cp
15221	Urban Design and Management	6cp
15231	Planning Project Implementation	6cp
15241	Urban Economics and Finance	6cp
		Total 24cp

STM90413 Core subjects (Planning)

15121	Urban Analysis	6cp
15111	Planning Project Analysis	6cp
15141	Sustainable Development	6cp
15131	Planning Project Visioning	6cp
		Total 24cp

STM90414 Core subjects (Property)

17518	Advanced Property Development	6cp
17704	Property Development Finance	6cp
		Total 12cp

STM90415 Property Fundamentals subjects (PG)

12511	Building Technology and Regulation	6cp
12518	Property Transactions	6cp
17701	Environment and Control	6cp
17771	Valuation Methodology	6cp
		Total 24cp

STM90416 Core subjects 2 (TESOL)

Free choice of electives.

STM90417 Core subjects

Free choice of electives.

STM90418 Core subjects

Free choice of electives.

STM90419 Core subjects

Free choice of electives.

STM90420 Core subjects

Free choice of electives.

STM90421 Core subjects

Free choice of electives.

STM90423 Core subjects

Free choice of electives.

STM90424 Core subjects

Free choice of electives.

STM90425 Core subjects

Free choice of electives.

STM90426 Core subjects

Free choice of electives.

STM90427 Core subjects

Free choice of electives.

STM90428 Core subjects

Free choice of electives.

STM90429 Core subjects

Free choice of electives.

STM90430 Honours subjects

Free choice of electives.

STM90431 Mathematics specialisation

Free choice of electives.

STM90432 Science and Technology specialisation

028411	Science and Technology Study 1: The Human Body	6cp
028412	Science and Technology Study 2: Science and Technology in Daily Life	6cp
028413	Science and Technology Study 3: Issues in Science, Technology and Society	6cp
028414	Science and Technology Study 4: Planet Earth	6cp
		Total 24cp

STM90433 Educational Computing specialisation

021412	Educational Computing Study 2	6cp
		Total 24cp

STM90434 Education specialisation

023411	Education Study 1: History of Australian Education	6cp
023412	Education Study 2: Value	6cp
023413	Education Study 3: Changing Schools	6cp
023414	Education Study 4: Educational Policy Studies	6cp
		Total 24cp

STM90435 International specialisation

029410	International Study	24cp
		Total 24cp

STM90436 English specialisation

024411	English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare	6cp
024412	English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama	6cp
024413	English Study 3: The Literature of Protest	6cp
024414	English Study 4: Cultural and Textual Cross-currents	6cp
		Total 24cp

STM90437 Human Society and its Environment specialisation

022203	HSIE Study 2: Conflicts and Resolutions	6cp
022204	HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching	6cp
022210	HSIE Study 4: Family History in its Social Context	6cp
023200	HSIE Study 1: Social Issues and Social Action	6cp
		Total 24cp

STM90438 Languages specialisation

Select 24 credit points from the following options:		24cp
CBK90494	Chinese Language and Culture	24cp
CBK90495	Japanese Language and Culture	24cp
CBK90497	French Language and Culture	24cp
CBK90498	Spanish Language and Culture	24cp
CBK90499	German Language and Culture	24cp
CBK90500	Italian Language and Culture	24cp
		Total 24cp

STM90439 PDHPE specialisation

027411	PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support	6cp
027412	Personal Development Health and Physical Education: Teachers and Physical Activity	6cp
027413	Specialisation Study 3: Issues in Personal Development, Health and Physical Education	6cp
		Total 24cp

STM90440 Art specialisation

020411	Art Study 1: People in Art	6cp
020414	Art Study 4: Design and Power	6cp
		Total 24cp

STM90441 Children's Theatre and the Creative Arts specialisation

024421	Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing	6cp
024422	Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children	6cp
024423	Children's Theatre and Creative Arts Study 3: Production and Direction	6cp
024424	Children's Theatre and Creative Arts 4: Staging Performances	6cp
		Total 24cp

STM90442 Music specialisation

026411	Music Study 1	6cp
026412	Music Study 2	6cp
		Total 24cp

STM90443 Practicum stream

023112	Practicum 2: Developing Classroom Management	8cp
023118	Practicum 8: Analysing Current Issues in Australian Education	6cp
023111	Practicum 1: Beginning Teaching	8cp
		Total 54cp

STM90444 100-level disciplinary core subjects (MAP/Law)

Free choice of electives.

STM90445 Humanities stream

STM90444	100-level disciplinary core subjects (MAP/Law)	24cp
CBK90014	200-level disciplinary choice: Cultural Studies	8cp
CBK90015	300-level disciplinary choice: Cultural Studies	8cp
CBK90024	200-level professional choice: Media Arts and Production	16cp
CBK90025	300-level professional choice: Media Arts and Production	16cp
STM90384	Core subjects	12cp
CBK90314	Electives (Media Arts and Production)	8cp
CBK90745	200/300-level disciplinary choice	8cp
		Total 100cp

STM90446 Social Inquiry/Law stream

Free choice of electives.

STM90447 Humanities stream

STM90446	Social Inquiry/Law stream	24cp
CBK90016	200-level disciplinary choice: Social, Political, Historical Studies	8cp
CBK90017	300-level disciplinary choice: Social, Political, Historical Studies	8cp
CBK90315	Electives (Social Inquiry)	8cp
CBK90030	200-level professional choice: Social Inquiry	8cp
CBK90032	300-level professional choice: Social Inquiry Block A	8cp
CBK90033	300-level professional choice: Social Inquiry Block B	8cp
STM90382	Core subjects	28cp
		Total 100cp

STM90448 100-level core subjects (Public Communication/Law)

Free choice of electives.

STM90449 Humanities stream

STM90448	100-level core subjects (Public Communication/Law)	24cp
CBK90316	Electives (Public Communication)	8cp
STM90381	Core subjects	36cp
CBK90451	Professional choice: Public Communication	32cp
		Total 100cp

STM90450 100-level core subjects (Writing and Cultural Studies/Law)

Free choice of electives.

STM90451 Humanities stream

STM90450	100-level core subjects (Writing and Cultural Studies/Law)	24cp
CBK90014	200-level disciplinary choice: Cultural Studies	8cp
CBK90317	Electives (Writing and Cultural Studies)	8cp
CBK90034	200-level professional choice: Writing	16cp
CBK90035	300-level professional choice: Writing	16cp
STM90385	Core subjects	12cp
CBK90015	300-level disciplinary choice: Cultural Studies	8cp
CBK90745	200/300-level disciplinary choice	8cp
		Total 100cp

STM90452 100-level disciplinary core subjects

Free choice of electives.

STM90453 Humanities stream

STM90452	100-level disciplinary core subjects	24cp
STM90386	Core subjects	68cp
CBK90318	Electives	8cp
		Total 100cp

STM90454 Subjects credited from C10206

Free choice of electives.

STM90456 Subjects credited from C10207

Free choice of electives.

STM90458 PLT stream

75412	Legal Skills	6cp
75402	Property Transactions	6cp
75403	Commercial and Estate Practice	6cp
75413	Advocacy	6cp
75420	Ethics and Professional Conduct	6cp
75411	Practical Experience	0cp
		Total 36cp

STM90464 MBA stream

21800	Management and Organisations		6cp
23706	Economics for Management		6cp
24734	Marketing Management		6cp
25742	Financial Management		6cp
21878	Organisational Dialogue: Theory and Practice		6cp
21715	Strategic Management		6cp
Select 12 credit points from the following options:			12cp
49006	Risk Management in Engineering	6cp	
49013	Managing Information Technology in Engineering	6cp	
49306	Quality and Operations Management Systems	6cp	
49016	Technology and Innovation Management	6cp	
			Total 48cp

STM90465 MEM stream

49001	Judgment and Decision Making		6cp
22747	Accounting for Managerial Decisions		6cp
21844	Managing Work and People		6cp
49002	Managing Projects		6cp
49004	Systems Engineering for Managers		6cp
49309	Quality Planning and Analysis		6cp
Select 12 credit points from the following options:			12cp
49006	Risk Management in Engineering	6cp	
49013	Managing Information Technology in Engineering	6cp	
49306	Quality and Operations Management Systems	6cp	
49016	Technology and Innovation Management	6cp	
			Total 48cp

STM90466 Human-centred Design

32509	Interaction Design		6cp
Select 18 credit points from the following options:			18cp
32405	User-Centred Design Methods	6cp	
32027	Multimedia Systems Design	6cp	
32029	Interactive Arts	6cp	
			Total 24cp

STM90467 Data Mining

32130	Fundamentals of Data Analytics		6cp
Select 18 credit points from the following options:			18cp
32131	Data Mining and Visualisation	6cp	
32146	Data Visualisation and Visual Analytics	6cp	
32513	Advanced Data Analytics Algorithms	6cp	
32133	e-Market Trading Technology	6cp	
32530	Building Intelligent Agents	6cp	
			Total 24cp

STM90468 Software Engineering

Select 18 credit points from the following options:			18cp
32148	Enterprise Computing	6cp	
32536	Advanced Software Modelling	6cp	
32106	Agile Method Engineering	6cp	
32535	Database in Distributed Environments	6cp	
32039	Recent Advances in Software Engineering	6cp	
32570	Enterprise Software Architecture and Middleware	6cp	
32571	Enterprise Software Testing	6cp	
			Total 24cp

STM90469 IT Management

32147	Introduction to IT Management		6cp
Select 18 credit points from the following options:			18cp
32208	Information Systems Strategy	6cp	
32541	Project Management	6cp	
49016	Technology and Innovation Management	6cp	
32603	Systems Quality Management	6cp	
32027	Multimedia Systems Design	6cp	
32029	Interactive Arts	6cp	
32509	Interaction Design	6cp	
32531	Global Information Systems	6cp	
32990	IT Contracts and Outsourcing	6cp	
32995	People Management for IT	6cp	
			Total 24cp

STM90470 e-Business Technology

32120	Introduction to e-Business Technology		6cp
Select 18 credit points from the following options:			18cp
32516	Internet Programming	6cp	
32549	Advanced Internet Programming	6cp	
32148	Enterprise Computing	6cp	
32525	Web Services Technologies and Applications	6cp	
32013	.NET Enterprise Development	6cp	
32530	Building Intelligent Agents	6cp	
			Total 24cp

STM90472 Computer Graphics and Gaming

32501	Computer Graphics		6cp
32543	3D Animation		6cp
32544	Advanced Image Synthesis Techniques		6cp
Select 6 credit points from the following options:			6cp
32003	Computer Game Design	6cp	
32004	Game Programming	6cp	
			Total 24cp

STM90473 Human-centred Design

32509	Interaction Design		6cp
Select 24 credit points from the following options:			24cp
32405	User-Centred Design Methods	6cp	
32027	Multimedia Systems Design	6cp	
32029	Interactive Arts	6cp	
			Total 30cp

STM90474 Data Mining

32130	Fundamentals of Data Analytics		6cp
Select 24 credit points from the following options:			24cp
32131	Data Mining and Visualisation	6cp	
32146	Data Visualisation and Visual Analytics	6cp	
32513	Advanced Data Analytics Algorithms	6cp	
			Total 30cp

STM90475 Software Engineering

Select 24 credit points from the following options:			24cp
32148	Enterprise Computing	6cp	
32536	Advanced Software Modelling	6cp	
32106	Agile Method Engineering	6cp	
32535	Database in Distributed Environments	6cp	
32550	Advances in Requirements Engineering	6cp	
			Total 30cp

STM90476 IT Management

32147	Introduction to IT Management	6cp
Select 24 credit points from the following options:		24cp
32208	Information Systems Strategy	6cp
32541	Project Management	6cp
49016	Technology and Innovation Management	6cp
32603	Systems Quality Management	6cp
32027	Multimedia Systems Design	6cp
32029	Interactive Arts	6cp
32509	Interaction Design	6cp
32531	Global Information Systems	6cp
32990	IT Contracts and Outsourcing	6cp
32995	People Management for IT	6cp
		Total 30cp

STM90477 e-Business Technology

32120	Introduction to e-Business Technology	6cp
32516	Internet Programming	6cp
32549	Advanced Internet Programming	6cp
32148	Enterprise Computing	6cp
32525	Web Services Technologies and Applications	6cp
		Total 30cp

STM90479 Computer Graphics and Gaming

32501	Computer Graphics	6cp
32543	3D Animation	6cp
32544	Advanced Image Synthesis Techniques	6cp
32003	Computer Game Design	6cp
32004	Game Programming	6cp
		Total 30cp

STM90482 Third-year subjects

92282	Australian Health Care System	6cp
92283	Challenges in Midwifery Practice	6cp
92284	Rural Midwifery Practice	6cp
92285	Collaborative Midwifery Practice	6cp
92286	International Perspectives in Midwifery	6cp
92287	Midwifery Caseload Practice	6cp
92288	Focused Midwifery Practice	6cp
92923	Continuity of Midwifery Care	6cp
		Total 48cp

STM90483 Core subjects

013953	Adult Learning in Context	6cp
013954	Program Design	6cp
013955	Assessing Learning	6cp
013977	Teaching and Learning in Practice	6cp
013970	Using Information Technology for Learning	6cp
013959	Communication and Learning	6cp
013978	Research and Inquiry	6cp
013982	Aboriginal Cultures	6cp
		Total 48cp

STM90484 Master's option without project

57182	Rethinking Media	8cp
CBK90348	Electives	8cp
		Total 16cp

STM90489 Clinical Accreditation Program (SLHD)

92869	Specialty Clinical Practice	6cp
		Total 6cp

STM90490 Clinical Accreditation Program (NSLHD)

92869	Specialty Clinical Practice	6cp
		Total 6cp

STM90491 No specified major

CBK90549	Options	36cp
STM90645	Core subjects	12cp
		Total 48cp

STM90492 No specified major

CBK90559	Options	36cp
STM90645	Core subjects	12cp
		Total 48cp

STM90493 Structures stream

48349	Structural Analysis	6cp
48366	Steel and Timber Design	6cp
48353	Concrete Design	6cp
48371	Advanced Engineering Computing	6cp
48389	Computer Modelling and Design	6cp
Select 6 credit points from the following options:		6cp
48370	Road and Transport Engineering	6cp
48350	Environmental and Sanitation Engineering	6cp
		Total 36cp

STM90494 Construction stream

48349	Structural Analysis	6cp
48353	Concrete Design	6cp
16912	Site Management	6cp
16265	Construction Technology 2	6cp
Select 12 credit points from the following options:		12cp
16314	Construction Technology 3	6cp
16913	Time and Quality Management	6cp
16422	Construction Technology 4	6cp
48850	Environmental Planning and Law	6cp
48370	Road and Transport Engineering	6cp
		Total 36cp

STM90496 Civil stream

48349	Structural Analysis	6cp
48366	Steel and Timber Design	6cp
48353	Concrete Design	6cp
48370	Road and Transport Engineering	6cp
48350	Environmental and Sanitation Engineering	6cp
48389	Computer Modelling and Design	6cp
		Total 36cp

STM90498 Exchange electives

979501	Exchange Elective 1	6cp
979502	Exchange Elective 2	6cp
979503	Exchange Elective 3	6cp
979504	Exchange Elective 4	6cp
		Total 24cp

STM90499 Exchange electives

979505	Exchange Elective 5	8cp
979506	Exchange Elective 6	8cp
979507	Exchange Elective 7	8cp
		Total 24cp

STM90500 Core subjects (Information and Media)

50190	Information Research Project	8cp
		Total 68cp

STM90501 Humanities stream

STM90452	100-level disciplinary core subjects	24cp
STM90500	Core subjects (Information and Media)	68cp
CBK90318	Electives	8cp
		Total 100cp

STM90502 Core subjects (Property and Planning)

15142	Property Development Process	6cp
15146	Sustainable Urban Development	6cp
17700	Planning and Environmental Law	6cp
Select one of the following:		6cp
12535	Development Feasibility and Valuation	6cp
15222	Urban Design	6cp
		Total 24cp

STM90503 Level 2 core subjects (Planning)

15143	Group Project A: Urban Renewal	6cp
15144	Group Project B: Greenfields Development	6cp
15145	Development Negotiation	6cp
15241	Urban Economics and Finance	6cp
		Total 24cp

STM90504 Major Project stream

15301	Planning Theory and Decision Making	6cp
15302	Major Project: Methods	6cp
15303	Major Project: Analysis	6cp
15304	Major Project: Outcomes	6cp
		Total 24cp

STM90505 Minor project + electives stream

15301	Planning Theory and Decision Making		6cp
15345	Minor Project		6cp
Select 12 credit points from the following options:			12cp
171200	Conservation and Heritage	6cp	
17551	Property Market and Risk Analysis	6cp	
17704	Property Development Finance	6cp	
15251	Spatial Analysis in Planning and Property	6cp	
17774	Green Building Evaluation	6cp	
17775	Land Acquisition Statutory Valuation and Litigation	6cp	
12535	Development Feasibility and Valuation	6cp	
			Total 24cp

STM90506 Latino USA: Specialist Country Studies stream

976502	Contemporary Latin(o) Americas	8cp
CBK90491	Spanish Language and Culture	16cp
		Total 24cp

STM90507 Quebec: Specialist Country Studies stream

976602	Contemporary Canada (Quebec)	8cp
CBK90490	French Language and Culture	16cp
		Total 24cp

STM90508 Switzerland (French): Specialist Country Studies stream

976404	Contemporary Switzerland	8cp
CBK90490	French Language and Culture	16cp
		Total 24cp

STM90509 Switzerland (German): Specialist Country Studies stream

976404	Contemporary Switzerland	8cp
CBK90492	German Language and Culture	16cp
		Total 24cp

STM90510 Alternative to PLT

75420	Ethics and Professional Conduct		6cp
Select 12 credit points from the following options:			12cp
76002	Sports Law	6cp	
76003	Asian Law and Legal Systems	6cp	
76005	Islamic Law	6cp	
76007	International Human Rights Law	6cp	
76008	Jurisprudence	6cp	
76012	Criminology	6cp	
76015	Labour Law	6cp	
76016	Advanced Revenue Law	6cp	
76023	Deceptive Trade Practices and Product Liability	6cp	
76024	Environmental Law	6cp	
76027	Competition Law	6cp	
76039	Jessup International Moot	6cp	
76040	Research Thesis	6cp	
76045	Medicine and Law	6cp	
76047	Advanced Contracts	6cp	
76048	Citizenship and Immigration Law	6cp	
76052	Dispute Resolution Advocacy	6cp	
76053	Industrial Law	6cp	
76063	Media Law	6cp	
76066	Children and the Law	6cp	
76068	Indigenous Peoples and the Law	6cp	
76069	Community Justice Studies	6cp	
76070	Biomedical Law and Bioethics	6cp	
76074	Australian Civil Liberties Law	6cp	
76075	Contemporary Legal Studies 1	6cp	
76076	Contemporary Legal Studies 2	6cp	
76080	Finance Law	6cp	
76115	Insolvency	6cp	
76516	Family Law	6cp	
76517	Succession	6cp	
76521	Intellectual Property and Traditional Knowledge	6cp	
76703	Indigenous Peoples, the Environment and Property	6cp	
76801	Exchange Subject 1	6cp	
76802	Exchange Subject 2	6cp	
76803	Exchange Subject 3	6cp	
76804	Exchange Subject 4	6cp	
76900	Moot	6cp	
76901	Vis Arbitral Moot	6cp	
77704	European Union Law	6cp	
77715	Banking Law	6cp	
77794	International Environmental Law	6cp	
77901	Securities Markets Law	6cp	
78008	Law of the Sea	6cp	
78021	Contemporary Issues in Constitutional Law	6cp	
78025	Intellectual Property: Law and Policy	6cp	
76081	Gender, Law and Sexuality	6cp	
78040	The Law and Education	6cp	
78042	Environmental Planning and Development Law	6cp	
76025	International Organisations	6cp	
76033	Animal Law and Policy in Australia	6cp	
76034	Law of Slavery and Human Trafficking	6cp	
76036	International Trade Law and the Environment	6cp	
76038	Law and Mental Health	6cp	
76041	Climate Law and Carbon Markets	6cp	
76043	Building and Construction Law	6cp	
76056	Intellectual Property Commercialisation Overview	6cp	
76904	Price International Media Law Moot	6cp	
			Total 24cp

STM90511 Core subjects

21751	Management Research Methods	6cp
27733	The Experience Economy	6cp
22747	Accounting for Managerial Decisions	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
27734	Marketing for the Experience Industries	6cp
		Total 30cp

STM90512 Journalism stream

58110	Introduction to Journalism	8cp
58111	Reporting with Sound and Image	8cp
58112	Reporting and Editing for Print and Online Journalism	8cp
		Total 24cp

STM90513 Records Management stream

57100	People, Information and Knowledge	8cp
57181	Recordkeeping Fundamentals	8cp
57087	Knowledge Management and the Organisation	8cp
57147	Enterprise Content Management	8cp
57153	Digital Curation	8cp
57089	Information Research and Data Analysis	8cp
CBK90415	Elective	8cp
CBK90416	Master's option	16cp
		Total 72cp

STM90514 Public Communication stream

58116	The Ecology of Public Communication	8cp
58117	Principles of Public Relations	8cp
58118	Principles of Advertising	8cp
		Total 24cp

STM90515 Writing and Cultural Studies stream

58120	Creativity and Culture	8cp
58121	Fictional Forms	8cp
		Total 24cp

STM90516 Social Inquiry stream

58122	Introduction to Social Inquiry	8cp
58123	Society, Economy and Globalisation	8cp
58124	Local Transformations	8cp
		Total 24cp

STM90517 Information and Media stream

58125	User Experience Design	8cp
58126	Information Discovery and Analysis	8cp
58127	Information Cultures	8cp
		Total 24cp

STM90518 Urban Design

11522	Master Class Urban Design		6cp
Select 12 credit points from the following options:			12cp
15146	Sustainable Urban Development	6cp	
17700	Planning and Environmental Law	6cp	
15241	Urban Economics and Finance	6cp	
171200	Conservation and Heritage	6cp	
11521	Digital Theory	6cp	
			Total 42cp

STM90519 Design Technologies

11521	Digital Theory	6cp
11524	Master Class Design Technologies 2	6cp
11523	Master Class Design Technologies 1	6cp
		Total 42cp

STM90520 Core subjects

33130	Mathematical Modelling 1	6cp
Select one of the following:		6cp
33230	Mathematical Modelling 2	6cp
48071	Engineering Analytical Modelling	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
48230	Engineering Communication	6cp
48240	Design and Innovation Fundamentals	6cp
48250	Engineering Economics and Finance	6cp
68037	Physical Modelling	6cp
		Total 42cp

STM90521 Core subjects (Accounting and Finance)

22754	Corporate Accounting	6cp
25731	International Finance	6cp
25721	Investment Management	6cp
79708	Contemporary Business Law	6cp
22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
22743	Business Valuation and Financial Analysis	6cp
25741	Capital Markets	6cp
25765	Corporate Finance	6cp
22748	Financial Reporting and Analysis	6cp
22730	Auditing and Assurance Services	6cp
		Total 72cp

STM90522 Professional stream

60901	Advanced Communication Skills in Science	6cp
Select one of the following:		6cp
60902	The Scientific Method	6cp
35212	Computational Linear Algebra	6cp
48023	Programming Fundamentals	6cp
60903	Project Management in Science	6cp
60904	Innovation, Entrepreneurship and Commercialisation	6cp
		Total 24cp

STM90523 Standard stream

CBK90170	Major/Two sub-majors/Sub-major + four electives	48cp
CBK90169	Major choice (Business)	48cp
		Total 96cp

STM90524 Extended major

CBK90645	Extended major choice	72cp
CBK90646	Sub-major/Four electives	24cp
		Total 96cp

STM90525 Core subjects (HRM)

21779	Management Skills	6cp
21720	Human Resource Management	6cp
21844	Managing Work and People	6cp
21800	Management and Organisations	6cp
21827	Change Management	6cp
21833	International Human Resources Management	6cp
21702	Industrial Relations	6cp
21760	Performance and Talent Management	6cp
21724	Strategic Human Resource Management	6cp
		Total 54cp

STM90527 Core subjects

89105	Design Activism	6cp
89106	Researching Contexts	6cp
89107	Innovation and Entrepreneurship: A	6cp
89108	Technology Workshop: Creative Play	6cp
89109	Technology Workshop: Experimental Media	6cp
89110	Engaging Texts: Interpreting Contexts	6cp
		Total 36cp

STM90528 Core subjects (Adult Education)

013122	Understanding Adult Education and Training	6cp
013142	Adult Learning and Program Development	6cp
013977	Teaching and Learning in Practice	6cp
		Total 18cp

STM90529 Core subjects (TESOL)

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013102	Introduction to Language	6cp
013958	Language Teaching Methodology	6cp
		Total 24cp

STM90530 Level 1 subjects (Midwifery)

Select one of the following:		6cp
92019	Contemporary Clinical Midwifery Practice	6cp
92927	Evidence-based Practice (Midwifery)	6cp
92020	Midwifery in Context	6cp
92021	Perinatal Mental Health	6cp
92620	Family and Community Health Practice	6cp
		Total 24cp

STM90531 Level 2 subjects (Midwifery)

92018	Building Resilience in Mothers and Midwives	6cp
92050	Policy, Power and Politics in Health Care	6cp
92612	Research in Health	6cp
Select 6 credit points from the following options:		6cp
CBK90903	Electives (Midwifery)	6cp
		Total 24cp

STM90532 Level 3 subjects (Midwifery)

92925	Models of Midwifery Care	6cp
92938	Midwifery Practice Development	6cp
Select 12 credit points from the following options:		12cp
92946	Project Part A	6cp
92947	Project Part B	6cp
CBK90904	Electives (Midwifery)	12cp
		Total 24cp

STM90533 Core subjects

92022	Improving Quality and Safety in Health Care	6cp
92606	Issues in Australian Health Services	6cp
92917	Using Health Care Data for Decision Making	6cp
		Total 24cp

STM90534 Core subjects

92050	Policy, Power and Politics in Health Care	6cp
92297	Health Systems and Change	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92847	Planning and Evaluating Health Services	6cp
		Total 24cp

STM90535 Core subjects (Health Services Management and Planning)

21720	Human Resource Management	6cp
26703	Introductory Health Economics	6cp
92050	Policy, Power and Politics in Health Care	6cp
92295	Advanced Health Services Planning	6cp
92296	Epidemiology and Population Health	6cp
92297	Health Systems and Change	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92887	Organisational Management in Health Care	6cp
92946	Project Part A	6cp
15315	Project Management Principles	6cp
23787	Health Technology Assessment	6cp
		Total 66cp

STM90537 Core subjects (Education PG)

013122	Understanding Adult Education and Training	6cp
013142	Adult Learning and Program Development	6cp
013952	Research Perspectives	6cp
		Total 18cp

STM90538 Major core subjects (PopEdSocChange)

013161	Popular Education and Social Movements	6cp
013163	New Media and Social Change	6cp
013164	Narrative and Storymaking in Education and Change	6cp
		Total 18cp

STM90539 Major core subjects (OrgWrkplLrn)

013160	Professional Learning and Practice	6cp
013162	Organisational Learning	6cp
013167	Contemporary Work and Learning	6cp
		Total 18cp

STM90542 Law graduate entrant stream

Select 48 credit points from the following options:			48cp
78203	Communications and Intellectual Property Law Overview	8cp	
78204	Legal Perspectives on the Internet	8cp	
78205	Regulatory Issues in the Broadband Environment	8cp	
78165	Media and Entertainment Law and Regulation	8cp	
78179	Telecommunications Law and Regulations	8cp	
78177	Converging Media Industries: Regulatory Challenges	8cp	
78183	Global Aspects of Intellectual Property Law	8cp	
78185	Intellectual Property: Law and Policy	8cp	
78189	Intellectual Property Commercialisation	8cp	
78213	Communications and Technology: A Primer	8cp	
78249	Privacy and Surveillance: Law and Policy	8cp	
			Total 48cp

STM90543 Non-law graduate entrant stream

78203	Communications and Intellectual Property Law Overview		8cp
Select 40 credit points from the following options:			40cp
78204	Legal Perspectives on the Internet	8cp	
78205	Regulatory Issues in the Broadband Environment	8cp	
78165	Media and Entertainment Law and Regulation	8cp	
78179	Telecommunications Law and Regulations	8cp	
78177	Converging Media Industries: Regulatory Challenges	8cp	
78183	Global Aspects of Intellectual Property Law	8cp	
78185	Intellectual Property: Law and Policy	8cp	
78189	Intellectual Property Commercialisation	8cp	
78213	Communications and Technology: A Primer	8cp	
78249	Privacy and Surveillance: Law and Policy	8cp	
			Total 48cp

STM90544 Law graduate entrant stream

Select 24 credit points from the following options:			24cp
78204	Legal Perspectives on the Internet	8cp	
78205	Regulatory Issues in the Broadband Environment	8cp	
78203	Communications and Intellectual Property Law Overview	8cp	
78165	Media and Entertainment Law and Regulation	8cp	
78179	Telecommunications Law and Regulations	8cp	
78177	Converging Media Industries: Regulatory Challenges	8cp	
78183	Global Aspects of Intellectual Property Law	8cp	
78185	Intellectual Property: Law and Policy	8cp	
78189	Intellectual Property Commercialisation	8cp	
78213	Communications and Technology: A Primer	8cp	
78249	Privacy and Surveillance: Law and Policy	8cp	
			Total 24cp

STM90545 Non-law graduate entrant stream

78203	Communications and Intellectual Property Law Overview		8cp
Select 16 credit points from the following options:			16cp
78204	Legal Perspectives on the Internet	8cp	
78205	Regulatory Issues in the Broadband Environment	8cp	
78165	Media and Entertainment Law and Regulation	8cp	
78179	Telecommunications Law and Regulations	8cp	
78177	Converging Media Industries: Regulatory Challenges	8cp	
78183	Global Aspects of Intellectual Property Law	8cp	
78185	Intellectual Property: Law and Policy	8cp	
78189	Intellectual Property Commercialisation	8cp	
78213	Communications and Technology: A Primer	8cp	
78249	Privacy and Surveillance: Law and Policy	8cp	
			Total 24cp

STM90546 Major core subjects (AdEd)

013120	The Psychology of Adult Development	6cp
013166	Education in Policy Contexts	6cp
013168	Adult Education: Past, Present, Future	6cp
		Total 18cp

STM90547 MEM stream

CBK90154	Core subjects choice	36cp
CBK90743	Electives	12cp
		Total 48cp

STM90548 Master's option

57149	Information and Knowledge Management Major Paper	8cp
CBK90415	Elective	8cp
		Total 16cp

STM90549 Core subjects (Adult Numeracy Teaching)

010070	Professional Practice 1 Language Literacy and Numeracy	6cp
010071	Professional Practice 2 Language Literacy and Numeracy	6cp
013831	Maths for Numeracy Teachers	6cp
013971	Teaching and Learning Numeracy	6cp
		Total 24cp

STM90550 Core subjects

58101	Understanding Communication	8cp
58102	Language and Discourse	8cp
58103	Ideas in History	8cp
58201	Communication and Cultural Industries and Practices	8cp
58202	Regulating Communication: Law, Ethics, Politics	8cp
58301	Communication Practice Project	8cp
		Total 48cp

STM90551 Graduate Entry

STM90561	Core subjects (Graduate Entry)	120cp
CBK90393	Electives (Nursing UG)	24cp
		Total 144cp

STM90552 Enrolled Nurse Entry 1

STM90562	Core subjects (Certificate Entry EN)	108cp
CBK90352	Electives	30cp
CBK90819	Choice	6cp
		Total 144cp

STM90553 Enrolled Nurse Entry 2

STM90563	Core subjects (Advanced Diploma Entry EN)	90cp
CBK90394	Electives Nursing (UG)	48cp
CBK90819	Choice	6cp
		Total 144cp

STM90554 Core subjects (Adult Literacy and Numeracy Teaching)

013096	Grammar and the Construction of Meaning	6cp
013117	Theory and Practice of Literacy	6cp
013141	Language Programming and Assessment	6cp
013150	Literacy and Numeracy in and for Work	6cp
		Total 24cp

STM90555 Core subjects (Media Arts and Production)

57167	Moving Image	8cp
57168	Sound and Interaction	8cp
57989	Mise-en-Scene	8cp
		Total 24cp

STM90556 Core subjects (Non-fiction Writing Project)

57163	Non-fiction Project Development	8cp
57164	Non-fiction Writing Project	16cp
		Total 24cp

STM90557 Core subjects (Non-fiction Writing)

57031	Non-fiction Writing	8cp
57061	Issues in Documentary	8cp
57162	Memory and Life Writing	8cp
		Total 24cp

STM90558 Law for Business

This stream is designed to provide students with a comprehensive understanding of legal issues and developments that impact on the business sector. Building upon the core subject, Introduction to Law, students are provided with the opportunity to choose between a range of subjects to satisfy the learning requirements for career specialisation. The broad range of subject areas is designed to provide a legal framework to enhance the planning and application of current and future commercial strategies.

Completion requirements

70110	Introduction to Law		6cp
79013	Industrial and Labour Law		6cp
79014	Applied Company Law		6cp
79018	Advanced Commercial Law		6cp
79032	Competition and Consumer Law		6cp
Select 18 credit points from the following options:			18cp
79006	Intellectual Property Commercialisation	6cp	
79011	Marketing Law	6cp	
79015	Banking Law	6cp	
79017	Taxation Law	6cp	
79019	Corporate Environmental Responsibility	6cp	
79021	International Aspects of Australian Taxation Law	6cp	
79022	GST and other Indirect Taxes	6cp	
79026	Estate Planning (UG)	6cp	
79027	Retirement Planning (UG)	6cp	
79033	Insolvency Administration	6cp	
79603	International Business Transactions and the Law	6cp	
79606	Advanced Taxation Law	6cp	
			Total 48cp

STM90559 Foundations of Law stream

This stream caters for business students interested in developing an in-depth understanding of the law. After developing skills which are essential to the study of law, students undertake fundamental law subjects of direct application to the business environment. Students then have an opportunity to specialise in areas relevant to their particular career focus.

Completion requirements

70211	Contracts		8cp
70311	Torts		8cp
70327	Commercial Law		6cp
70102	Foundations of Law		8cp
70103	Ethics Law and Justice		6cp
Select 12 credit points from the following options:			12cp
76002	Sports Law	6cp	
76023	Deceptive Trade Practices and Product Liability	6cp	
76024	Environmental Law	6cp	
76027	Competition Law	6cp	
76115	Insolvency	6cp	
76212	Revenue Law	6cp	
77715	Banking Law	6cp	
78025	Intellectual Property: Law and Policy	6cp	
			Total 48cp

STM90560 Non-common Law stream

78234	Common Law Legal Traditions		6cp
Select 18 credit points from the following options:			18cp
78209	Taxation of Commercial Enterprises	6cp	
78214	Finance Law	6cp	
78216	Competition Law in a Global Context	6cp	
78220	Commercial Equity	6cp	
78227	Financial Services Law and Compliance in Australia	6cp	
77724	International Banking and Finance Law	6cp	
77745	Negotiation	6cp	
77746	Advanced Mediation	6cp	
77751	International Commercial Arbitration	6cp	
77752	Commercial Arbitration (Domestic)	6cp	
77760	Family Dispute Resolution	6cp	
77761	Dispute Resolution in Commerce	6cp	
77783	International Commercial Dispute Resolution	6cp	
77792	Crisis Negotiation	6cp	
77850	Psychology and Dispute Resolution	6cp	
77867	Workplace Dispute Resolution	6cp	
77889	Trade Marks Law	6cp	
77890	Trade Marks Practice	6cp	
77891	Patent Systems	6cp	
77893	Designs Law and Practice	6cp	
77898	Patent Law	6cp	
77903	Copyright Law	6cp	
77930	Insurance Law	6cp	
78015	Global Aspects of Intellectual Property Law	6cp	
78023	International Trade Law and the Environment	6cp	
78026	Business and Law in China	6cp	
78029	Mediation Practice	6cp	
78101	Postgraduate Legal Research	6cp	
78107	Climate Law and Carbon Markets	6cp	
78111	Banking and Finance Law	6cp	
78113	Securities Regulation	6cp	
78122	Corporate Insolvency	6cp	
78126	Corporate Governance	6cp	
78138	Facilitation	6cp	
78153	International Commercial Transactions	6cp	
78158	Private International Law	6cp	
78173	Dispute Resolution in Civil Practice	6cp	
78181	Deceptive Trade Practices	6cp	
78184	Intellectual Property: Law and Policy	6cp	
78186	Intellectual Property and Traditional Knowledge	6cp	
78188	Intellectual Property Commercialisation	6cp	
78206	International Organisations	6cp	
78238	History and Theory of Intellectual Property	6cp	
78210	Law and Literature	6cp	
78212	Communications and Technology: A Primer	6cp	
78229	Disability and the Law	6cp	
78235	Justice	6cp	
78236	Environmental Ethics	6cp	
78237	Law and Place	6cp	
78239	International Feminist Perspectives	6cp	
78240	Western Legal Theory	6cp	
78241	Reading the Law: Language, Power and Ideology	6cp	
78242	Property Rights and the Environment	6cp	
78243	Advanced Trusts Law	6cp	
78244	Mergers and Acquisitions Law	6cp	
78245	Public Health Law	6cp	
78246	Work Law	6cp	
78247	Collaborative Law	6cp	
			Total 24cp

STM90561 Core subjects (Graduate Entry)

91528	Health and Homeostasis		6cp
92024	Medical Surgical Nursing (Graduate Entry)		6cp
92015	Fundamentals of Mental Health Nursing (Graduate Entry)		6cp
92320	Health and Society		6cp
92326	Understanding the Person: Life Transitions		6cp
92318	Evidence for Nursing		6cp
91529	Pathophysiology and Pharmacology 1		6cp
92330	Complex Nursing Care: Medical Surgical		6cp
Select one of the following:			6cp
92319	Family and Children's Nursing	6cp	
92315	Nursing Care of the Older Person	6cp	
92317	Contemporary Indigenous Health and Wellbeing		6cp
92312	Integrated Nursing Practice		6cp
92316	Complex Nursing Care: Mental Health		6cp
92329	Accountability in Nursing Practice		6cp
92325	Professionalism in Context		6cp
91527	Pathophysiology and Pharmacology 3		6cp
92331	Integrated Nursing Concepts		6cp
92016	Workshops for Practice Readiness (Graduate Entry)		6cp
92017	Health Assessment and Nursing Therapeutics		6cp
91530	Pathophysiology and Pharmacology 2		6cp
Select one of the following:			6cp
92315	Nursing Care of the Older Person	6cp	
92319	Family and Children's Nursing	6cp	
			Total 120cp

STM90562 Core subjects (Certificate Entry EN)

91527	Pathophysiology and Pharmacology 3	6cp
91528	Health and Homeostasis	6cp
91529	Pathophysiology and Pharmacology 1	6cp
91530	Pathophysiology and Pharmacology 2	6cp
92014	Role Transition and Professional Identity	6cp

92025	Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1)	6cp
92312	Integrated Nursing Practice	6cp
92315	Nursing Care of the Older Person	6cp
92316	Complex Nursing Care: Mental Health	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp
92318	Evidence for Nursing	6cp
92319	Family and Children's Nursing	6cp
92320	Health and Society	6cp
92322	Medical Surgical Nursing	6cp
92325	Professionalism in Context	6cp
92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp
92331	Integrated Nursing Concepts	6cp
		Total 108cp

STM90563 Core subjects (Advanced Diploma Entry EN)

91527	Pathophysiology and Pharmacology 3	6cp
92014	Role Transition and Professional Identity	6cp
92312	Integrated Nursing Practice	6cp
92316	Complex Nursing Care: Mental Health	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp
92318	Evidence for Nursing	6cp
92319	Family and Children's Nursing	6cp
92320	Health and Society	6cp
92322	Medical Surgical Nursing	6cp
92325	Professionalism in Context	6cp
92329	Accountability in Nursing Practice	6cp
92330	Complex Nursing Care: Medical Surgical	6cp
92331	Integrated Nursing Concepts	6cp
91529	Pathophysiology and Pharmacology 1	6cp
91530	Pathophysiology and Pharmacology 2	6cp
		Total 90cp

STM90564 Core subjects

15143	Group Project A: Urban Renewal	6cp
12518	Property Transactions	6cp
17704	Property Development Finance	6cp
17551	Property Market and Risk Analysis	6cp
		Total 24cp

STM90566 Core subjects

31060	Information Systems Principles	6cp
31061	Database Principles	6cp
31424	Systems Modelling	6cp
31478	Project Management and Quality Assurance	6cp
31479	Information Technology Professional and Society	6cp
31480	Strategic Information Technology Planning Project	6cp
31508	Programming Fundamentals	6cp
31509	Computer Fundamentals	6cp
31516	Networking Fundamentals	6cp
		Total 66cp

STM90567 Core subjects (IT)

31478	Project Management and Quality Assurance	6cp
31479	Information Technology Professional and Society	6cp
		Total 72cp

STM90568 Entrepreneurial stream

21126	Capstone Project in Business Planning	6cp
21227	Innovation and Entrepreneurship	6cp
22107	Accounting for Business Decisions A	6cp
24108	Marketing Foundations	6cp
25300	Fundamentals of Business Finance	6cp
31060	Information Systems Principles	6cp
48210	Interrogating Technology: Sustainability, Environment and Social Change	6cp
		Total 54cp

STM90572 Honours

015381	Thesis Development and Appraisal	6cp
023634	Honours Thesis 1	12cp
023625	Research Seminar	6cp
023635	Honours Thesis 2	12cp
		Total 36cp

STM90573 Professional Experience (SpecEd)

023881	Special Education Professional Experience 1: Assesment, Programming and Evaluation	6cp
023882	Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models	6cp
023157	Professional Experience 7: Reflection on Educational Practice	6cp
023158	Professional Experience 8: Analysing Current Issues in Australian Education	6cp
		Total 48cp

STM90574 Special Education subjects

023821	Special Education 1: Managing Challenging Behaviours	6cp
023822	Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling	6cp
023823	Special Education 3: Educating Students who have Difficulties with Written Text	6cp
023824	Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities	6cp
023825	Special Education 5: Educating Students with Moderate and High Support Needs	6cp
023826	Special Education 6: Educating Students with Delayed or Disordered Communication	6cp
		Total 36cp

STM90579 Core subjects (Online Journalism)

57155	Online Journalism	8cp
		Total 16cp

STM90580 Core subjects (PSM + SMD)

50846	Situated Media Installation Studio	12cp
50847	Visualisation and Sonification Studio	12cp
80046	Smart Object Studio	12cp
80064	Interaction-based Designing	6cp
		Total 42cp

STM90581 Core subjects

32543	3D Animation	6cp
57108	Film Animation	6cp
89200	Graphic Visualisation	6cp
89201	Animation Genres Seminar	6cp
57130	Animation Concepts Seminar	6cp
89991	Animation Project A	12cp
89992	Animation Project B	12cp
		Total 54cp

STM90592 Core subjects

11400	Digital Theory	6cp
11401	Digital Master Class A	6cp
11402	Digital Architecture Project A	12cp
11403	Digital Master Class B	6cp
11404	Digital Architecture Project B	12cp
		Total 42cp

STM90595 Domestic students

Select 72 credit points from the following options:		72cp
MAJ06213	Advanced Nursing Practice	72cp
MAJ06214	Nurse Practitioner	72cp
MAJ07051	Education	72cp
MAJ06215	Health Research	72cp
		Total 72cp

STM90596 International students

Select 72 credit points from the following options:		72cp
MAJ07051	Education	72cp
MAJ08955	Management	72cp
		Total 72cp

STM90597 Domestic students

92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp
CBK90512	Sub-major/Four electives	24cp
CBK90514	Electives	12cp
		Total 48cp

STM90598 International students

92790	Evidence-based Practice	6cp
92606	Issues in Australian Health Services	6cp
CBK90513	Sub-major/Four electives	24cp
CBK90514	Electives	12cp
		Total 48cp

STM90599 Information Management stream

57084	Information Architecture and Design	8cp
57087	Knowledge Management and the Organisation	8cp
57089	Information Research and Data Analysis	8cp
57100	People, Information and Knowledge	8cp
57146	Organising Information	8cp
57148	Discovering and Accessing Information	8cp
CBK90517	Electives	8cp
CBK90563	Master's option (Information Management)	16cp
		Total 72cp

STM90600 Knowledge Management stream

57103	Knowledge Management Strategies	8cp
CBK90521	Electives	16cp
57087	Knowledge Management and the Organisation	8cp
57100	People, Information and Knowledge	8cp
57089	Information Research and Data Analysis	8cp
CBK90565	Master's option (Knowledge Management)	16cp
Select one of the following:		8cp
57146	Organising Information	8cp
57147	Enterprise Content Management	8cp
		Total 72cp

STM90606 Project (two semesters) (FT)

49183	Graduate Project 18cp (Part 1 of 2) (2 x 9cp)	9cp
49184	Graduate Project 18cp (Part 2 of 2) (2 x 9cp)	9cp
		Total 18cp

STM90607 Project (three semesters)

49189	Graduate Project 18cp (Part 1 of 3) (3 x 6cp)	6cp
49190	Graduate Project 18cp (Part 2 of 3) (3 x 6cp)	6cp
49191	Graduate Project 18cp (Part 3 of 3) (3 x 6cp)	6cp
		Total 18cp

STM90608 Project (two semesters) (PT)

49195	Graduate Project 18cp (Part 1 of 2) (6cp + 12cp)	6cp
49196	Graduate Project 18cp (Part 2 of 2) (6cp + 12cp)	12cp
		Total 18cp

STM90609 Project (two semesters) (FT)

49197	Graduate Project 24cp (Part 1 of 2) (9cp + 15cp)	9cp
49198	Graduate Project 24cp (Part 2 of 2) (9cp + 15cp)	15cp
		Total 24cp

STM90610 Project (three semesters)

49192	Graduate Project 24cp (Part 1 of 3) (3 x 8cp)	8cp
49193	Graduate Project 24cp (Part 2 of 3) (3 x 8cp)	8cp
49194	Graduate Project 24cp (Part 3 of 3) (3 x 8cp)	8cp
		Total 24cp

STM90611 Project (two semesters) (PT)

49187	Graduate Project 24cp (Part 1 of 2) (2 x 12cp)	12cp
49188	Graduate Project 24cp (Part 2 of 2) (2 x 12cp)	12cp
		Total 24cp

STM90612 Project (three semesters) (PT)

49147	Graduate Project 30cp (Part 1 of 3) (6cp + 12cp + 12cp)	6cp
49148	Graduate Project 30cp (Part 2 of 3) (6cp + 12cp + 12cp)	12cp
49149	Graduate Project 30cp (Part 3 of 3) (6cp + 12cp + 12cp)	12cp
		Total 30cp

STM90613 Project (two semesters)

49153	Graduate Project 30cp (Part 1 of 2) (2 x 15cp)	15cp
49154	Graduate Project 30cp (Part 2 of 2) (2 x 15cp)	15cp
		Total 30cp

STM90614 Project (three semesters) (FT)

49155	Graduate Project 30cp (Part 1 of 3) (3 x 10cp)	10cp
49156	Graduate Project 30cp (Part 2 of 3) (3 x 10cp)	10cp
49157	Graduate Project 30cp (Part 3 of 3) (3 x 10cp)	10cp
		Total 30cp

STM90631 Core subjects

21779	Management Skills	6cp
21797	Strategic Supply Chain Management	6cp
21743	Business Excellence	6cp
21741	Managing Operations	6cp
		Total 24cp

STM90639 Core subjects (Property Development)

12518	Property Transactions	6cp
17518	Advanced Property Development	6cp
17704	Property Development Finance	6cp
17553	Construction Cost Planning	6cp
		Total 24cp

STM90640 Core subjects (SecEd)

013005	The Secondary School	6cp
013001	The Psychology of Adolescent Learning	6cp
013006	Educating Students with Special Needs	6cp
013007	Professional Learning Portfolio	6cp
013004	Issues in Indigenous Australian Education	3cp
013008	The Socio-cultural Contexts of Secondary Education	3cp
013408	Designing Learning for a Digital Generation	6cp
		Total 36cp

STM90642 Core subjects

86001	Strategies for Interior Design	6cp
86002	The Human Environment	6cp
86420	Interior Design Communication	6cp
85502	Researching Design History	6cp
86110	Interior Design Communication: Digital Media	6cp
86003	Interior Design Conceptualisation	6cp
86320	Interior Materiality and Design Detail	6cp
85503	Design Thinking	6cp
86021	Interior Design History	6cp
86022	Sustainable Human Futures: Residential Environments	6cp
86023	Light, New Materials and Form	6cp
86024	Hospitality Environments	6cp
86025	Interior Elements and Design Detail	6cp
86150	Consumer Environments	6cp
86031	Directions in Spatial Experience	6cp
86133	Interior Systems and Design Detail	6cp
86213	Interpreting Cultural Space	6cp
86160	Corporate Environments	6cp
85701	Research Based Designing	6cp
86041	Interior Design Major Project: Research and Conceptualisation	12cp
86042	Interior Design Professional Project	12cp
86871	Professional Practice for Interior Designers	6cp
86043	Interior Design Major Project: Realisation	12cp
		Total 156cp

STM90643 Core subjects

84110	Aesthetics in Industrial Design	6cp
84111	Understanding Three-dimensional Form	6cp
84112	Industrial Design Communications	6cp
84113	Problem Solving in Industrial Design	6cp
84114	Industrial Design Digital Communication	6cp
84115	Informing Industrial Design	6cp
85502	Researching Design History	6cp
85503	Design Thinking	6cp
84120	Structure, Form and Material in Industrial Design	6cp
84121	Computer-aided Industrial Design	6cp
84122	Ergonomics and Industrial Design	6cp
84123	Material Manipulation	6cp
84124	Sustainability and Design	6cp
84130	Product Technology	6cp
84135	Ecodesign Practice	6cp
84131	Industrial Design Directions	6cp
84133	Industrial Design Theory	6cp
84134	Industrial Design Professional Communication	6cp
85701	Research Based Designing	6cp
84902	Industrial Design Major Project: Research and Conceptualisation	12cp
84903	Industrial Design Professional Project	12cp
84904	Industrial Design Major Project: Realisation	12cp
84772	Industrial Design Professional Practice	6cp
		Total 156cp

STM90644 Core subjects

83119	Thinking Fashion	6cp
83881	An Introduction to Patternmaking and Construction	6cp
83121	Fashion Communication: An Introduction	6cp
85502	Researching Design History	6cp
83231	Fashion Cultures	6cp
83882	Foundations in Patternmaking and Construction 2	6cp
83233	Fashion Illustration Fundamentals 2	6cp
85503	Design Thinking	6cp
83341	Fashion, Gender and Identity	6cp
83883	Couture Techniques	6cp
83343	Fashion Design: Past to Present	6cp
83344	Fashion Communication: Drawing and Digital Media	6cp
83888	New Textiles and Technologies	6cp
83563	Dress, Body and Couture	6cp
83568	Advanced Fashion and Textile Techniques	6cp
83884	Men's Collection	6cp
83886	Women's Collection	6cp
83773	Fashion and Textiles Research Dissertation	6cp
85701	Research Based Designing	6cp
83774	Fashion and Textile Research and Conceptualisation	12cp
83777	Professional Practice for Fashion and Textile Designers	6cp
83887	Fashion and Textile Design Major Project	24cp
		Total 156cp

STM90645 Core subjects

013952	Research Perspectives	6cp
013951	Learning and Change	6cp
		Total 12cp

STM90646 Core subjects (Management)

21779	Management Skills	6cp
21827	Change Management	6cp
21717	International Management	6cp
21844	Managing Work and People	6cp
21720	Human Resource Management	6cp
21741	Managing Operations	6cp
21800	Management and Organisations	6cp
21832	Managing for Sustainability	6cp
21811	Global Strategic Management	6cp
		Total 54cp

STM90647 Core subjects

21129	Managing People and Organisations	6cp
21227	Innovation and Entrepreneurship	6cp
21440	Management Skills	6cp
21555	Human Resource Management	6cp
		Total 24cp

STM90648 Core subjects

87100	VC Project: Ways of Seeing	6cp
87117	VC Technology: Visible Language	6cp
87118	VC Studies: Image Experimentation	6cp
85502	Researching Design History	6cp
87222	VC Project: Symbols and Systems	6cp
87333	VC Technology: Typography, Text and Form	6cp
87221	VC Studies: Histories of Visual Communication	6cp
85503	Design Thinking	6cp
87335	VC Project: Sequence and Narrative	6cp
87443	VC Project: Typography in Context	6cp
87445	VC Project: Visualising Experience	6cp
87447	VC Technology: Motion Graphics	6cp
87555	VC Project: Design Practice	6cp
87551	VC Studies: Concepts of Professionalism	6cp
87665	VC Project: The Community	6cp
85701	Research Based Designing	6cp
87773	Visualising Research	12cp
87880	Major Project VC	24cp
87441	VC Studies: Contexts of Visual Communication	6cp
		Total 138cp

STM90650 Core subjects

013978	Research and Inquiry	6cp
013982	Aboriginal Cultures	6cp
013974	The Psychology of Adult Learning	6cp
013980	Identity, Culture and Communication	6cp
013977	Teaching and Learning in Practice	6cp
013970	Using Information Technology for Learning	6cp
013959	Communication and Learning	6cp
013973	Adult Education Policy in Context	6cp
		Total 48cp

STM90651 Core subjects (Information Technology)

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
31269	Business Requirements Modelling	6cp
Select one of the following:		6cp
31270	Networking Essentials	6cp
48721	Strategic e-Business Technologies	6cp
31271	Database Fundamentals	6cp
31272	Project Management and the Professional	6cp
		Total 48cp

STM90652 Capstone Project

Select 12 credit points from the following options:		12cp
48012	Capstone Project	12cp
48016	Capstone Project Part A	6cp
48026	Capstone Project Part B	6cp
		Total 12cp

STM90653 Master's option without project

57149	Information and Knowledge Management Major Paper	8cp
CBK90562	Electives	8cp
		Total 16cp

STM90654 Master's option without project

57149	Information and Knowledge Management Major Paper	8cp
CBK90564	Electives	8cp
		Total 16cp

STM90655 Core subjects (Global Studies)

99201	Global Histories	8cp
99202	Global Work	8cp
58222	Global Politics from Above and Below	8cp
99204	Global Governance	8cp
99205	Global Work Project	8cp
99206	Global Problem Solving	8cp
		Total 48cp

STM90665 Italy Regional Studies

CBK90500	Italian Language and Culture	24cp
976431	Contemporary Italy	8cp
		Total 32cp

STM90666 France Regional Studies

976411	Contemporary France	8cp
CBK90497	French Language and Culture	24cp
		Total 32cp

STM90667 Germany Regional Studies

976421	Contemporary Germany	8cp
CBK90499	German Language and Culture	24cp
		Total 32cp

STM90668 Core subjects (IT)

31265	Communication for IT Professionals	6cp
31266	Introduction to Information Systems	6cp
48023	Programming Fundamentals	6cp
31268	Web Systems	6cp
31269	Business Requirements Modelling	6cp
31270	Networking Essentials	6cp
31271	Database Fundamentals	6cp
31272	Project Management and the Professional	6cp
31257	Information System Development Methodologies	6cp
31247	Collaborative Business Processes	6cp
31245	Business Process and IT Strategy	6cp
48024	Applications Programming	6cp
48440	Software Engineering Practice	6cp
31281	Systems Development Project	12cp
		Total 90cp

STM90669 Core subjects (Industry)

31491	Industry Project 1	9cp
31489	Industry Study 1	6cp
31492	Industry Project 2	9cp
31490	Industry Study 2	6cp
		Total 30cp

STM90670 Civil stream

48221	Engineering Computations	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48320	Surveying	6cp
48321	Engineering Mechanics	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48349	Structural Analysis	6cp
48352	Construction Materials	6cp
48360	Geotechnical Engineering	6cp
48362	Hydraulics and Hydrology	6cp
48370	Road and Transport Engineering	6cp
48641	Fluid Mechanics	6cp
60101	Chemistry and Materials Science	6cp
		Total 84cp

STM90671 Civil and Environmental stream

48221	Engineering Computations	6cp
48310	Introduction to Civil and Environmental Engineering	6cp
48321	Engineering Mechanics	6cp
48330	Soil Behaviour	6cp
48331	Mechanics of Solids	6cp
48340	Construction	6cp
48352	Construction Materials	6cp
48362	Hydraulics and Hydrology	6cp
48641	Fluid Mechanics	6cp
48821	Ecological Engineering	6cp
48840	Water Supply and Wastewater Engineering	6cp
48850	Environmental Planning and Law	6cp
48860	Pollution Control and Waste Management	6cp
65111	Chemistry 1	6cp
		Total 84cp

STM90672 Electrical stream

48510	Introduction to Electrical Engineering	6cp
48441	Introductory Digital Systems	6cp
48521	Fundamentals of Electrical Engineering	6cp
48520	Electronics and Circuits	6cp
48531	Electromechanical Automation	6cp
48530	Circuit Analysis	6cp
68038	Advanced Mathematics and Physics	6cp
48540	Signals and Systems	6cp
48430	Embedded C	6cp
48570	Data Acquisition and Distribution	6cp
48451	Advanced Digital Systems	6cp
48572	Power Circuit Theory	6cp
48571	Electrical Machines	6cp
48560	Introductory Control	6cp
		Total 84cp

STM90673 ICT stream

48023	Programming Fundamentals		6cp
48410	Introduction to ICT Engineering		6cp
48441	Introductory Digital Systems		6cp
48471	ICT Analysis		6cp
48481	ICT Design		6cp
48510	Introduction to Electrical Engineering		6cp
48541	Signal Theory		6cp
48720	Network Fundamentals		6cp
Select 36 credit points from the following options:			36cp
CBK90862	Software Innovation choice	36cp	
CBK90863	Telecommunications Innovation choice	36cp	
CBK90864	Computer Systems Innovation choice	36cp	
CBK90944	Network Security Innovation choice	18cp	
			Total 84cp

STM90674 Mechanical stream

48221	Engineering Computations	6cp
48331	Mechanics of Solids	6cp
48510	Introduction to Electrical Engineering	6cp
48600	Mechanical Design 1	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48670	Mechanical and Mechatronic Design	6cp
Select 24 credit points from the following options:		24cp
CBK90865	Mechanical Innovation choice	24cp
		Total 84cp

STM90675 Mechanical and Mechatronic stream

48023	Programming Fundamentals	6cp
48331	Mechanics of Solids	6cp
48510	Introduction to Electrical Engineering	6cp
48610	Introduction to Mechanical and Mechatronic Engineering	6cp
48620	Fundamentals of Mechanical Engineering	6cp
48621	Manufacturing Engineering	6cp
48622	Mechatronics 1	6cp
48623	Mechatronics 2	6cp
48642	Strength of Engineering Materials	6cp
48650	Mechanical Design 2	6cp
48670	Mechanical and Mechatronic Design	6cp
48600	Mechanical Design 1	6cp
Select 12 credit points from the following options:		12cp
CBK90866	Mechanical and Mechatronics Innovation choice	12cp
		Total 84cp

STM90676 Physical Sciences stream

STM90679	Foundation stream (Physical Sciences)		48cp
Select 96 credit points from the following options:			96cp
CBK90572	Major choice (Applied Chemistry)	96cp	
CBK90655	Major choice (Applied Physics Nanotechnology)	96cp	
STM90697	No specified major (Physical Sciences)	96cp	
			Total 144cp

STM90677 Life Sciences stream

STM90680	Foundation stream (Life and Environmental Sciences)		48cp
Select 96 credit points from the following options:			96cp
CBK90573	Major choice (Biomedical Biotechnology)	96cp	
CBK90654	Major choice (Environmental and Marine Biology)	96cp	
STM90694	No specified major (Life and Environmental Sciences)	96cp	
			Total 144cp

STM90678 Mathematical Sciences stream

STM90681	Foundation stream (Mathematical Sciences)	48cp
CBK90574	Major choice (Mathematical Sciences)	96cp
		Total 144cp

STM90679 Foundation stream (Physical Sciences)

33190	Mathematical Modelling for Science		6cp
65111	Chemistry 1		6cp
68101	Foundations of Physics		6cp
Select one of the following:			6cp
91161	Cell Biology and Genetics	6cp	
91107	The Biosphere	6cp	
33290	Statistics and Mathematics for Science		6cp
65212	Chemistry 2		6cp
68201	Physics in Action		6cp
68070	Introduction to Materials		6cp
			Total 48cp

STM90680 Foundation stream (Life and Environmental Sciences)

91161	Cell Biology and Genetics	6cp
65111	Chemistry 1	6cp
91107	The Biosphere	6cp
33116	Statistical Design and Analysis	6cp
65212	Chemistry 2	6cp
68041	Physical Aspects of Nature	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
		Total 48cp

STM90681 Foundation stream (Mathematical Sciences)

35140	Introduction to Quantitative Management	6cp
35101	Introduction to Linear Dynamical Systems	6cp
35151	Introduction to Statistics	6cp
CBK90796	Foundation subject choice A	6cp
35100	Introduction to Sample Surveys	6cp
35102	Introduction to Analysis and Multivariable Calculus	6cp
35111	Applications of Discrete Mathematics	6cp
CBK90797	Foundation subject choice B	6cp
		Total 48cp

STM90682 Core subjects (Chemistry)

65202	Organic Chemistry 1	6cp
65307	Physical Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65306	Analytical Chemistry 1	6cp
65411	Inorganic Chemistry 1	6cp
65508	Organic Chemistry 2	6cp
65409	Analytical Chemistry 2	6cp
65607	Physical Chemistry 2	6cp
		Total 48cp

STM90683 Core subjects (Physics and Nanotechnology)

33360	Mathematics for Physical Science	6cp
68075	Nanomaterials	6cp
68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68513	Optics and Nanophotonics	6cp
		Total 48cp

STM90684 Core subjects (Medical and Molecular Biology)

91320	Metabolic Biochemistry	6cp
91314	General Microbiology	6cp
91132	Molecular Biology 1	6cp
CBK90584	Medical and Molecular Biology choice	18cp
CBK90579	Elective 1	6cp
CBK90580	Elective 2	6cp
		Total 48cp

STM90685 Core subjects (Environmental Biology)

91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
91149	Geological Processes	6cp
91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp
91145	Environmental Protection and Management	6cp
Select 12 credit points from the following options:		12cp
91363	Animal Behaviour and Physiology	6cp
91270	Plant Physiology and Ecophysiology	6cp
91159	Environmental Forensics	6cp
65621	Environmental Chemistry	6cp
		Total 48cp

STM90686 Core subjects (Mathematics)

35212	Computational Linear Algebra	6cp
35241	Optimisation in Quantitative Management	6cp
35363	Stochastic Models	6cp
35232	Advanced Calculus	6cp
35231	Differential Equations	6cp
35353	Regression Analysis	6cp
Select 12 credit points from the following options:		12cp
65111	Chemistry 1	6cp
68101	Foundations of Physics	6cp
91161	Cell Biology and Genetics	6cp
65212	Chemistry 2	6cp
68201	Physics in Action	6cp
68070	Introduction to Materials	6cp
91107	The Biosphere	6cp
91123	Biocomplexity	6cp
91400	Human Anatomy and Physiology	6cp
65202	Organic Chemistry 1	6cp
65410	Chemical Safety and Legislation	6cp
65307	Physical Chemistry 1	6cp
65409	Analytical Chemistry 2	6cp
65508	Organic Chemistry 2	6cp
65411	Inorganic Chemistry 1	6cp
65607	Physical Chemistry 2	6cp
65306	Analytical Chemistry 1	6cp
68075	Nanomaterials	6cp
68316	Applied Electronics and Interfacing	6cp
68606	Solid-state Science and Nanodevices	6cp
68315	Imaging Science	6cp
68413	Quantum Physics	6cp
68320	Scanning Probe and Electron Microscopy	6cp
68513	Optics and Nanophotonics	6cp
35252	Mathematical Statistics	6cp
35322	Advanced Analysis	6cp
35335	Mathematical Methods	6cp
35340	Quantitative Management Practice	6cp
35342	Nonlinear Methods in Quantitative Management	6cp
35344	Network and Combinatorial Optimisation	6cp
35355	Quality Control	6cp
35356	Design and Analysis of Experiments	6cp
35361	Stochastic Processes	6cp
35383	High Performance Computing	6cp
35391	Seminar (Mathematics)	6cp
35393	Seminar (Statistics)	6cp
		Total 48cp

STM90687 Core subjects (PLT)

STM90792	Core subjects	18cp
CBK90526	Option (Law)	6cp
		Total 24cp

STM90689 Core subjects (Legal Studies)

70102	Foundations of Law	8cp
70103	Ethics Law and Justice	6cp
Select 16 credit points from the following options:		16cp
70311	Torts	8cp
70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
70617	Administrative Law	8cp
70114	Criminal Law and Procedure	8cp
		Total 30cp

STM90690 Core subjects

75412	Legal Skills	6cp
75413	Advocacy	6cp
75403	Commercial and Estate Practice	6cp
75402	Property Transactions	6cp
75411	Practical Experience	0cp
75420	Ethics and Professional Conduct	6cp
		Total 36cp

STM90691 Law stream

STM90832	Core (Law)	108cp
CBK90922	Options (Law UG)	30cp
CBK90923	Options (Legal Theory UG)	6cp
		Total 144cp

STM90692 Core subjects

11501	Architectural Practice: Advocacy	6cp
11502	Architectural Practice: Finance and Project Management	6cp
11503	Architectural Practice: The Profession	6cp
11504	Architectural Practice: The City	6cp
		Total 24cp

STM90693 Core subjects

013953	Adult Learning in Context	6cp
013954	Program Design	6cp
013955	Assessing Learning	6cp
		Total 18cp

STM90694 No specified major (Life and Environmental Sciences)

The flexibility of this major gives students the opportunity to choose study areas in line with their interests, abilities and career aspirations. Flexibility can be important to students who are uncertain of their career path, students who have not yet decided which area they wish to specialise in, or students who have decided to undertake a general science degree with a cross-disciplinary mix of studies.

Choosing to not specify a major gives students the opportunity to experience and confirm their interests and expectations, and assists them to tease out the study area they are interested in. It also enables students to focus on their career choice according to their interests while keeping their options open.

In addition, students can choose this major for their first year of study. Then, once they have experienced a range of science disciplines in the first year, they can go on to choose a major at the end of their first year.

The majors on offer are: applied chemistry, applied physics, biotechnology, biomedical science, environmental biology, environmental forensics, marine biology, mathematics, medical science, nanotechnology and statistics.

Students can also decide against choosing a major but choose a range of second- and third-year subjects to match their interests and aspirations, leading to a Bachelor of Science award without a specified major. Students can also include sub-majors in other course areas such as business, law, information technology, communication.

Completion requirements

CBK90598	Level 2 subject choice (Life and Environmental Sciences)	36cp
CBK90599	Level 3 subject choice (Life and Environmental Sciences)	36cp
CBK90801	Sub-major / Electives	24cp
		Total 96cp

STM90695 Core subjects

32555	Fundamentals of Software Development	6cp
32524	LANS and Routing	6cp
32557	Enabling Enterprise Information Systems	6cp
32606	Database	6cp
		Total 24cp

STM90696 Core subjects

22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp
23706	Economics for Management	6cp
22748	Financial Reporting and Analysis	6cp
22705	Management Planning and Control	6cp
22753	Cost Management and Analysis	6cp
22754	Corporate Accounting	6cp
77947	Companies and Securities Law	6cp
22730	Auditing and Assurance Services	6cp
22743	Business Valuation and Financial Analysis	6cp
77938	Introduction to Taxation Law	6cp
21878	Organisational Dialogue: Theory and Practice	6cp
		Total 78cp

STM90697 No specified major (Physical Sciences)

The flexibility of this major gives students the opportunity to choose study areas in line with their interests, abilities and career aspirations. Flexibility can be important to students who are uncertain of their career path, students who have not yet decided which area they wish to specialise in, or students who have decided to undertake a general science degree with a cross-disciplinary mix of studies.

Choosing to not specify a major gives students the opportunity to experience and confirm their interests and expectations, and assists them to tease out the study area they are interested in. It also enables students to focus on their career choice according to their interests while keeping their options open.

In addition, students can choose this major for their first year of study. Then, once they have experienced a range of science disciplines in the first year, they can go on to choose a major at the end of their first year.

Majors on offer are: applied chemistry, applied physics, biotechnology, biomedical science, environmental biology, environmental forensics, marine biology, mathematics, medical science, nanotechnology and statistics.

Students can also decide against choosing a major but choose a range of second- and third-year subjects to match their interests and aspirations, leading to a Bachelor of Science award without a specified major. Students can also include sub-majors in other course areas such as business, law, information technology, communication.

Completion requirements

CBK90606	Level 2 subject choice (Physical Sciences)	36cp
CBK90607	Level 3 subject choice (Physical Sciences)	36cp
CBK90801	Sub-major / Electives	24cp
		Total 96cp

STM90698 PDHPE stream

27149	Performance Studies 1: Gymnastics and Dance	6cp
27249	Performance Studies 2: Dance and Athletics	6cp
27349	Performance Studies 3: Sport and Aquatics	6cp
CBK90610	Elective	6cp
		Total 24cp

STM90699 Control thread

48560	Introductory Control	6cp
48580	Advanced Control	6cp
49274	Advanced Robotics	6cp
		Total 18cp

STM90700 Electronics thread

48570	Data Acquisition and Distribution	6cp
48581	Digital Electronics	6cp
48551	Analog Electronics	6cp
		Total 18cp

STM90701 Embedded Systems thread

48434	Embedded Software	6cp
48450	Real-time Operating Systems	6cp
48451	Advanced Digital Systems	6cp
		Total 18cp

STM90702 Energy thread

48571	Electrical Machines	6cp
48561	Power Electronics and Drives	6cp
48550	Renewable Energy Systems	6cp
		Total 18cp

STM90703 Power Systems thread

48583	Power Systems Operation and Protection	6cp
48582	Power Systems Analysis and Design	6cp
48572	Power Circuit Theory	6cp
		Total 18cp

STM90704 Accounting stream

22319	Financial Statement Analysis (Capstone)	6cp
22320	Accounting for Business Combinations	6cp
22420	Accounting Standards and Regulations	6cp
79017	Taxation Law	6cp
		Total 24cp

STM90705 Finance stream

25503	Investment Analysis	6cp
25556	The Financial System	6cp
25557	Corporate Finance: Theory and Practice	6cp
25622	Quantitative Business Analysis	6cp
		Total 24cp

STM90706 Core subjects (Property)

15143	Group Project A: Urban Renewal	6cp
12518	Property Transactions	6cp
		Total 12cp

STM90707 Core subjects

80027	Photographic History and Theory	6cp
80037	Situated Media Culture and Context	6cp
80048	Photographic Manipulation	6cp
80066	Design Studio: The Digital Image	12cp
80065	Design Studio: Photographic Intervention	12cp
80031	Graduation Exhibition	12cp
		Total 54cp

STM90708 Practical Legal Training

75411	Practical Experience	0cp
75412	Legal Skills	6cp
75413	Advocacy	6cp
		Total 12cp

STM90709 Core subjects (Accounting Information Systems)

22747	Accounting for Managerial Decisions	6cp
22759	Accounting and ERP	6cp
22766	Assurance for Enterprise Systems	6cp
22708	Accounting Information Systems	6cp
25742	Financial Management	6cp
22776	Business Information Systems	6cp
22797	Business Intelligence 1: Advanced Analysis	6cp
22783	Business Intelligence 2: Advanced Planning	6cp
22753	Cost Management and Analysis	6cp
22705	Management Planning and Control	6cp
22782	Business Process Integration with ERP	6cp
22787	Business Project Management	6cp
		Total 72cp

STM90710 Core subjects

92313	Assessment and Therapeutics in Health Care 1	6cp
92327	Workshops for Practice Readiness 1	6cp
92326	Understanding the Person: Life Transitions	6cp
92320	Health and Society	6cp
92314	Assessment and Therapeutics in Health Care 2	6cp
92328	Workshops for Practice Readiness 2	6cp
92324	Professional Identity	6cp
92323	Fundamentals of Mental Health Nursing	6cp
92315	Nursing Care of the Older Person	6cp
92322	Medical Surgical Nursing	6cp
92319	Family and Children's Nursing	6cp
92317	Contemporary Indigenous Health and Wellbeing	6cp
91529	Pathophysiology and Pharmacology 1	6cp
92318	Evidence for Nursing	6cp
91530	Pathophysiology and Pharmacology 2	6cp
91528	Health and Homeostasis	6cp
		Total 96cp

STM90711 Core subjects

92330	Complex Nursing Care: Medical Surgical	6cp
92316	Complex Nursing Care: Mental Health	6cp
92329	Accountability in Nursing Practice	6cp
91527	Pathophysiology and Pharmacology 3	6cp
92331	Integrated Nursing Concepts	6cp
92312	Integrated Nursing Practice	6cp
92325	Professionalism in Context	6cp
CBK90819	Choice	6cp
		Total 48cp

STM90712 Health Services Management (No major)

26703	Introductory Health Economics	6cp
STM90763	Core subjects (Health Services Management)	36cp
CBK90902	Electives	12cp
92297	Health Systems and Change	6cp
92847	Planning and Evaluating Health Services	6cp
92946	Project Part A	6cp
		Total 72cp

STM90713 Core subjects (HSM)

92847	Planning and Evaluating Health Services	6cp
92917	Using Health Care Data for Decision Making	6cp
92638	Foundations of the Australian Healthcare System	6cp
		Total 18cp

STM90714 Core subjects

15604	Local Government Management Principles and Practice 1	6cp
15611	Managing Local Enterprise	6cp
15608	Corporate Management and Organisational Change	6cp
		Total 18cp

STM90715 Advertising stream

58118	Principles of Advertising	8cp
58129	Advertising Campaign Practice	8cp
58229	Brand Advertising Strategies	8cp
58230	Professional Advertising Practice	8cp
		Total 32cp

STM90716 Public Relations stream

58117	Principles of Public Relations	8cp
58128	Strategic Public Relations	8cp
58214	Media Writing and Production	8cp
58231	Organisational Communication	8cp
		Total 32cp

STM90717 Marketing Management

24742	New Product Management	6cp
24713	Marketing Channel Management	6cp
24760	Pricing and Revenue Management	6cp
24736	Marketing Communications	6cp
		Total 24cp

STM90718 Marketing Strategy

24738	Strategic International Marketing	6cp
24706	Strategic Services Marketing	6cp
24750	Marketing Analytics	6cp
24707	Strategic Business Marketing	6cp
		Total 24cp

STM90719 Marketing Research

24750	Marketing Analytics	6cp
24759	Research Design and Data Collection Tools	6cp
24757	Research Methodology and Data Analysis Tools	6cp
Select 6 credit points from the following options:		6cp
24706	Strategic Services Marketing	6cp
24707	Strategic Business Marketing	6cp
24713	Marketing Channel Management	6cp
24736	Marketing Communications	6cp
24738	Strategic International Marketing	6cp
24742	New Product Management	6cp
24760	Pricing and Revenue Management	6cp
		Total 24cp

STM90720 Core subjects (Marketing)

24730	Marketing Strategy	6cp
24710	Buyer Behaviour	6cp
24734	Marketing Management	6cp
24720	Marketing Research	6cp
		Total 24cp

STM90721 Core subjects (Marketing)

24730	Marketing Strategy	6cp
24710	Buyer Behaviour	6cp
24734	Marketing Management	6cp
24720	Marketing Research	6cp
24790	Business Project: Marketing	6cp
		Total 30cp

STM90723 Core subjects

27642	Tourism Marketing	6cp
27184	Dimensions of Tourism	6cp
27344	Research Foundations for Leisure Sport and Tourism	6cp
27185	The Tourist Experience	6cp
27648	The Tourism Business	6cp
27327	Tourism and Sustainability	6cp
27116	e-Marketing and Management of Services	6cp
27324	Strategic Management in Leisure, Sport and Tourism Organisations	6cp
27523	Planning for Sustainable Destinations	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
27348	Critical Issues in Global Tourism	6cp
23115	Economics for Business	6cp
		Total 72cp

STM90724 Core subjects (Interior and Spatial Design)

86004	Design Studio: Foundations in Spatial Language	12cp
86005	Design Studio: Foundations in Spatial Design	12cp
86008	Context: Image and Making (Representation)	6cp
86009	Context: Image and Making (Generative Methods)	6cp
86529	Design Studio: Inhabitations	12cp
86113	Context: Experimentations	6cp
86114	Context: Inhabitations	6cp
86221	Context: Explorations	6cp
86222	Context: Interdisciplinary	6cp
86223	Design Studio: Industry	12cp
85502	Researching Design History	6cp
85503	Design Thinking	6cp
		Total 96cp

STM90725 Core subjects

86321	Design Studio: Investigation	12cp
86322	Design Studio: Directions	12cp
86400	Design Studio: Realisation	24cp
		Total 48cp

STM90726 Core subjects (Games Development)

31080	Digital Multimedia	6cp
31262	Introduction to Computer Game Design	6cp
31264	Introduction to Computer Graphics	6cp
31102	Game Design Studio 1	6cp
31103	Game Design Studio 2	6cp
48024	Applications Programming	6cp
Select 12 credit points from the following options:		12cp
31241	3D Computer Animation	6cp
31249	Computer Graphics Rendering Techniques	6cp
31251	Data Structures and Algorithms	6cp
31263	Introduction to Computer Game Programming	6cp
31777	Human-Computer Interaction	6cp
31104	Programming for Special Effects	6cp
		Total 48cp

STM90727 Strategy stream

24306	Services Marketing	6cp
24205	Business-to-Business Marketing	6cp
24220	International Marketing	6cp
		Total 18cp

STM90728 Research stream

24902	Research Methodology and Data Analysis Techniques	6cp
24510	Advertising Research	6cp
24908	Research Design and Data Collection Techniques	6cp
		Total 18cp

STM90729 Core subjects

32144	Technology Research Preparation	6cp
32118	Mobile Communications and Computing	6cp
32524	LANS and Routing	6cp
32547	UNIX Systems Programming	6cp
		Total 24cp

STM90730 Core subjects

32118	Mobile Communications and Computing	6cp
32524	LANS and Routing	6cp
32547	UNIX Systems Programming	6cp
		Total 18cp

STM90731 Core subjects (Accounting and Finance)

25741	Capital Markets	6cp
25765	Corporate Finance	6cp
22748	Financial Reporting and Analysis	6cp
22754	Corporate Accounting	6cp
22747	Accounting for Managerial Decisions	6cp
25742	Financial Management	6cp
79708	Contemporary Business Law	6cp
		Total 48cp

STM90732 Core subjects

21741	Managing Operations	6cp
21743	Business Excellence	6cp
Select one of the following:		6cp
21779	Management Skills	6cp
21877	Strategic Procurement	6cp
21797	Strategic Supply Chain Management	6cp
		Total 24cp

STM90733 Core subjects (HRM)

21720	Human Resource Management	6cp
21779	Management Skills	6cp
21800	Management and Organisations	6cp
21844	Managing Work and People	6cp
		Total 24cp

STM90734 Core subjects (Management)

21717	International Management	6cp
21779	Management Skills	6cp
21827	Change Management	6cp
21844	Managing Work and People	6cp
		Total 24cp

STM90735 Core subjects (Management)

21720	Human Resource Management	6cp
21741	Managing Operations	6cp
21800	Management and Organisations	6cp
21832	Managing for Sustainability	6cp
21779	Management Skills	6cp
21827	Change Management	6cp
21717	International Management	6cp
21844	Managing Work and People	6cp
		Total 48cp

STM90736 Core subjects (Operations Supply Chain Management)

21844	Managing Work and People	6cp
21741	Managing Operations	6cp
21743	Business Excellence	6cp
Select one of the following:		6cp
21779	Management Skills	6cp
21877	Strategic Procurement	6cp
21797	Strategic Supply Chain Management	6cp
		Total 30cp

STM90737 Core subjects (HRM)

21833	International Human Resources Management	6cp
21702	Industrial Relations	6cp
21760	Performance and Talent Management	6cp
21827	Change Management	6cp
21779	Management Skills	6cp
21720	Human Resource Management	6cp
21844	Managing Work and People	6cp
21800	Management and Organisations	6cp
		Total 48cp

STM90738 Core subjects

22747	Accounting for Managerial Decisions	6cp
21800	Management and Organisations	6cp
21878	Organisational Dialogue: Theory and Practice	6cp
		Total 24cp

STM90739 Core disciplinary subjects (Environmental Biology)

91110	Experimental Design and Sampling	6cp
91154	Ecology	6cp
91149	Geological Processes	6cp
91120	GIS and Remote Sensing	6cp
91121	Aquatic Ecology	6cp
91145	Environmental Protection and Management	6cp
		Total 36cp

STM90740 Core subjects

82120	Animation Studio: Foundations in Animation Language	12cp
82121	Context: 2D Animation Introduction	6cp
85502	Researching Design History	6cp
82220	Animation Studio: Foundations in Animation Design	12cp
82221	Context: 3D Animation Introduction	6cp
85503	Design Thinking	6cp
82320	Animation Studio: Narrative Investigations	12cp
82321	Context: 3D Modelling and Rigging Introduction	6cp
82420	3D Modelling and Rigging Advanced	6cp
82520	Context: Design for Three-dimensional Computer Animation	6cp
82621	Context: Experimentations for Animation and VFX	6cp
82620	Animation Studio: Animation Industry Project	12cp
		Total 96cp

STM90741 Research Preparation

92790	Evidence-based Practice	6cp
92972	Health Care Research Methodology	6cp
92946	Project Part A	6cp
92947	Project Part B	6cp
92713	Health Breakdown	6cp
92869	Specialty Clinical Practice	6cp
92616	Core Concepts in Acute Care Nursing	6cp
92617	Early Interventions in Acute Care Nursing	6cp
CBK90425	Electives	12cp
Select one of the following:		6cp
92296	Epidemiology and Population Health	6cp
92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp
92612	Research in Health	6cp
		Total 72cp

STM90742 Core stream

70102	Foundations of Law	8cp
70114	Criminal Law and Procedure	8cp
70311	Torts	8cp
70211	Contracts	8cp
70616	Australian Constitutional Law	8cp
70103	Ethics Law and Justice	6cp
70104	Civil Practice	6cp
70317	Real Property	8cp
70106	Principles of Public International Law	6cp
70109	Evidence	6cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp
70107	Principles of Company Law	8cp
		Total 96cp

STM90743 Stream

77889	Trade Marks Law	6cp
77890	Trade Marks Practice	6cp
77905	Preparing for Intellectual Property Practice	6cp
Select 6 credit points from the following options:		6cp
77740	Research Paper	6cp
78188	Intellectual Property Commercialisation	6cp
77903	Copyright Law	6cp
		Total 24cp

STM90744 First-year subjects

92271	Foundations of Midwifery Practice	6cp
92272	Anatomy and Physiology: Pregnancy and Childbirth	6cp
92922	The Meaning of Birth	6cp
92927	Evidence-based Practice (Midwifery)	6cp
92622	Becoming a Midwife	6cp
92630	Midwifery Practice 2: Supporting Women	6cp
92632	Midwifery Practice 1: Preparation for Practice	6cp
92634	Transitions to Parenthood	6cp
		Total 48cp

STM90745 Second-year subjects

99636	Essentials of Pathophysiology	6cp
91604	Introductory Pharmacology and Microbiology	6cp
92280	Complex Newborn Care	6cp
92624	Complex Pregnancy	6cp
92623	Complex Labour, Birth and Puerperium	6cp
92626	Midwifery Practice 3: Complex Pregnancy	6cp
92621	Aboriginal and Torres Strait Islander: Women and Babies	6cp
92627	Midwifery Practice 4: Complex Labour, Birth and Puerperium	6cp
		Total 48cp

STM90746 Third-year subjects

92282	Australian Health Care System	6cp
92286	International Perspectives in Midwifery	6cp
92283	Challenges in Midwifery Practice	6cp
92631	Midwifery as Primary Health Care	6cp
92633	Professional Practice	6cp
92628	Midwifery Practice 5: Working with Women	6cp
92629	Midwifery Practice 6: Transitions to Being a Midwife	6cp
92625	Emergencies in Maternity Care	6cp
		Total 48cp

STM90747 Core subjects

82710	Animation Studio: Advanced Animation Practice	12cp
82711	Animation Studio: Animation Project Pre-production	12cp
82800	Animation Studio: Animation Project/Production	24cp
		Total 48cp

STM90748 Public Relations

57024	Managing Public Communication Strategies	8cp
57132	Media Relations	8cp
57026	Strategic Communication and Negotiation	8cp
		Total 24cp

STM90749 Organisational Change and Communication

57035	Organisational Change and Communication	8cp
57994	Managing Organisational Communication	8cp
57995	Learning in Organisations	8cp
		Total 24cp

STM90750 Integrated Communication

57996	Marketing and Corporate Communication	8cp
57132	Media Relations	8cp
57131	Inventive Media Advertising	8cp
		Total 24cp

STM90751 Core foundation subjects

57022	Foundations of Communication	8cp
57023	Communicating with Publics	8cp
57025	Intercultural and International Communication	8cp
		Total 24cp

STM90752 Core subjects (Operations Supply Chain Management)

21844	Managing Work and People	6cp
21741	Managing Operations	6cp
21743	Business Excellence	6cp
21877	Strategic Procurement	6cp
21797	Strategic Supply Chain Management	6cp
15315	Project Management Principles	6cp
35340	Quantitative Management Practice	6cp
77942	Legal Aspects of Contracts Administration	6cp
21815	Management Project	6cp
21811	Global Strategic Management	6cp
		Total 60cp

STM90753 Procurement option (Operations Supply Chain Management)

STM90752	Core subjects (Operations Supply Chain Management)	60cp
CBK90840	Electives (Operations Supply Chain Manager)	12cp
		Total 72cp

STM90754 Standard option (Operations Supply Chain Management)

STM90736	Core subjects (Operations Supply Chain Management)	30cp
CBK90385	Electives (Operations and Supply Chain Management)	42cp
		Total 72cp

STM90755 Core stream

96015	Clinical Practice 1	6cp
96016	Clinical Practice 2	12cp
96017	Clinical Practice 3	6cp
96001	Introduction to Pharmacy	6cp
96002	Concepts in Pharmaceutical Sciences	6cp
96003	Pharmaceutics	6cp
96004	Professional Services 1	6cp
96005	Professional Services 2	6cp
96006	Integrated Therapeutics 1	6cp
96007	Drug Disposition	6cp
96008	Evidence Based Practice	6cp
96009	Professional Services 3	6cp
96010	Integrated Therapeutics 2	6cp
96011	Primary Health Care	6cp
96012	Professional Services 4	6cp
96013	Integrated Therapeutics 3	6cp
96014	Molecule to Market	6cp
		Total 108cp

STM90756 Core stream

96018	International Placement 1	12cp
96019	International Placement 2	12cp
		Total 24cp

STM90757 Clinical Management

92603	Managing Quality, Risk and Cost in Health Care	6cp
92932	Management for Clinicians	6cp
92917	Using Health Care Data for Decision Making	6cp
92887	Organisational Management in Health Care	6cp
		Total 24cp

STM90759 Health Services Management

92917	Using Health Care Data for Decision Making	6cp
92606	Issues in Australian Health Services	6cp
92887	Organisational Management in Health Care	6cp
21720	Human Resource Management	6cp
		Total 24cp

STM90760 Health Services Management

92050	Policy, Power and Politics in Health Care	6cp
92847	Planning and Evaluating Health Services	6cp
		Total 24cp

STM90761 Health Research Level 1

Select 24 credit points from the following options:		24cp
92790	Evidence-based Practice	6cp
92927	Evidence-based Practice (Midwifery)	6cp
92612	Research in Health	6cp
92972	Health Care Research Methodology	6cp
92296	Epidemiology and Population Health	6cp
92973	Developing Health Care Theory	6cp
92974	Investigating Health Care Change	6cp
		Total 24cp

STM90762 Health Research Level 2

98725	Dissertation in Health Research 1	12cp
98726	Dissertation in Health Research 2	12cp
		Total 24cp

STM90763 Core subjects (Health Services Management)

92050	Policy, Power and Politics in Health Care	6cp
92603	Managing Quality, Risk and Cost in Health Care	6cp
92917	Using Health Care Data for Decision Making	6cp
92296	Epidemiology and Population Health	6cp
92887	Organisational Management in Health Care	6cp
92638	Foundations of the Australian Healthcare System	6cp
		Total 36cp

STM90766 Research stream

32933	Research Project	6cp
Select 6 credit points of electives		6cp
		Total 12cp

STM90767 Core subjects

57024	Managing Public Communication Strategies	8cp
57035	Organisational Change and Communication	8cp
		Total 16cp

STM90768 Communication Management

STM90767	Core subjects	16cp
Select 8 credit points from the following options:		8cp
CBK90847	Electives	8cp
		Total 24cp

STM90769 Core masters subjects

57028	Research for Communication Professionals	8cp
57182	Rethinking Media	8cp
		Total 16cp

STM90770 No specified major

STM90767	Core subjects	16cp
Select 8 credit points from the following options:		8cp
CBK90847	Electives	8cp
		Total 24cp

STM90771 Management core

21511	Global Operations and Supply Chain Management	6cp
21510	The Global Context of Management	6cp
		Total 12cp

STM90772 Management

STM90771	Management core	12cp
Select 12 credit points from the following options:		12cp
CBK90850	Management electives	12cp
		Total 24cp

STM90773 Training and Human Resource Development

013120	The Psychology of Adult Development	6cp
013122	Understanding Adult Education and Training	6cp
013136	Developing People and Teams	6cp
013142	Adult Learning and Program Development	6cp
013162	Organisational Learning	6cp
013165	Leading Learning in the Workplace	6cp
		Total 36cp

STM90774 Standard options (Management)

STM90511	Core subjects	30cp
CBK90613	Major choice	42cp
		Total 72cp

STM90775 Core subjects (Community and Not-for-Profit Mgmt)

21766	Managing Community Organisations	6cp
21767	Not-for-Profit Sector Theory and Context	6cp
21778	Resource Mobilisation	6cp
21817	Volunteer Management	6cp
21879	Corporate Social Responsibility and Measuring Social Impact	6cp
27729	Legal Issues for the Experience and Not-for-Profit Industries	6cp
22747	Accounting for Managerial Decisions	6cp
21751	Management Research Methods	6cp
		Total 48cp

STM90776 Community and Not-for-Profit Management

STM90775	Core subjects (Community and Not-for-Profit Mgmt)	48cp
CBK90855	Electives (Community and Not-for-Profit Management)	24cp
		Total 72cp

STM90777 Master's option with project

57997	Professional Communication Project	8cp
CBK90345	Electives	8cp
		Total 16cp

STM90778 Physical sciences stream

91239	Human Pathophysiology	6cp
Select 6 credit points from the following options:		6cp
91400	Human Anatomy and Physiology	6cp
91429	Physiological Bases of Human Movement	6cp
		Total 12cp

STM90779 Biomedical sciences stream

68316	Applied Electronics and Interfacing	6cp
91239	Human Pathophysiology	6cp
		Total 12cp

STM90780 Core subjects (SecEd)

013403	The School in the Context of Contemporary Society	6cp
013404	Inclusive Education: Students with Learning Difficulties and Disabilities	6cp
013405	Teaching, Learning and Motivation	6cp
013406	Understanding Adolescents	6cp
013407	Perspectives on Aboriginal Education	6cp
013408	Designing Learning for a Digital Generation	6cp
013409	Professional Learning	6cp
013410	Capstone: Professional Vision in Practice	6cp
		Total 48cp

STM90781 Business Studies/Economics subjects (SecEd)

013438	Business Studies/Economics Teaching Methods 1	6cp
013439	Business Studies/Economics Teaching Methods 2	6cp
		Total 12cp

STM90782 Business Studies/Economics/History subjects (SecEd)

013438	Business Studies/Economics Teaching Methods 1	6cp
013437	History Teaching Method	6cp
		Total 12cp

STM90783 Business Studies/Economics/Society and Culture subjects (SecEd)

013438	Business Studies/Economics Teaching Methods 1	6cp
013440	Society and Culture Teaching Method	6cp
		Total 12cp

STM90784 Business Studies/Economics/Legal Studies subjects (SecEd)

013438	Business Studies/Economics Teaching Methods 1	6cp
013441	Legal Studies Teaching Method	6cp
		Total 12cp

STM90785 History/Society and Culture subjects (SecEd)

013437	History Teaching Method	6cp
013440	Society and Culture Teaching Method	6cp
		Total 12cp

STM90786 History/Legal Studies subjects (SecEd)

013437	History Teaching Method	6cp
013441	Legal Studies Teaching Method	6cp
		Total 12cp

STM90787 Society and Culture/Legal Studies subjects (SecEd)

013440	Society and Culture Teaching Method	6cp
013441	Legal Studies Teaching Method	6cp
		Total 12cp

STM90788 Core subjects

84610	Inside Design	6cp
84111	Understanding Three-dimensional Form	6cp
84116	Integrated Product Design Communications	6cp
84611	Design Thinking in Integrated Product Design	6cp
84118	Informing Integrated Product Design	6cp
84117	Integrated Product Design Digital Communication	6cp
84711	User-Centred Design	12cp
84710	Research Methods in Integrated Product Design	6cp
84811	Smart Design	12cp
84813	Integrated Product Design Professional Communication	6cp
85202	Interdisciplinary Lab A	6cp
85302	Interdisciplinary Lab B	6cp
85502	Researching Design History	6cp
85503	Design Thinking	6cp
		Total 96cp

STM90789 Core subjects (Honours)

84905	Design in the Wild	12cp
84906	Professional Studio	12cp
		Total 24cp

STM90790 Core subjects

83119	Thinking Fashion	6cp
83621	Studio: Foundations in Patternmaking and Construction 1	6cp
83622	Studio: Fashion Illustration Fundamentals 1	6cp
83231	Fashion Cultures	6cp
83882	Foundations in Patternmaking and Construction 2	6cp
83233	Fashion Illustration Fundamentals 2	6cp
83724	Studio: Bespoke Fashion	6cp
83341	Fashion, Gender and Identity	6cp
83721	Studio: Fashion Illustration Exploration	6cp
83722	Studio: Body Mapping	6cp
83723	Textile Lab: New Technologies	6cp
83821	Studio: Men's Collection	12cp
83822	Studio: Women's Collection	12cp
83823	Fashion and Textiles Professional Practice	6cp
85503	Design Thinking	6cp
85502	Researching Design History	6cp
85202	Interdisciplinary Lab A	6cp
85302	Interdisciplinary Lab B	6cp
		Total 120cp

STM90791 Core subjects

87631	Design Studio: Text and Image 1	12cp
87100	VC Project: Ways of Seeing	6cp
87632	Design Studio: Text and Image 2	12cp
87222	VC Project: Symbols and Systems	6cp
87731	Design Studio: Visual Experimentations	12cp
87441	VC Studies: Contexts of Visual Communication	6cp
87443	VC Project: Typography in Context	6cp
87445	VC Project: Visualising Experience	6cp
87831	Design Studio: Visual Communication and Strategic Design	12cp
87832	Design Studio: Design Practice	12cp
87665	VC Project: The Community	6cp
85503	Design Thinking	6cp
85502	Researching Design History	6cp
85202	Interdisciplinary Lab A	6cp
85302	Interdisciplinary Lab B	6cp
		Total 120cp

STM90792 Core subjects

75422	Transactional Practice	6cp
75423	Litigation and Estate Practice	6cp
75424	Legal and Professional Skills	6cp
75411	Practical Experience	0cp
		Total 18cp

STM90793 Options

CBK90390	Options	30cp
STM90792	Core subjects	18cp
		Total 48cp

STM90794 Core subjects

11501	Architectural Practice: Advocacy	6cp
11502	Architectural Practice: Finance and Project Management	6cp
11503	Architectural Practice: The Profession	6cp
11504	Architectural Practice: The City	6cp
11551	Masters Architectural Design Studio 1	12cp
11552	Masters Architectural Design Studio 2	12cp
11553	Masters Architectural Design Studio 3	12cp
Select one of the following:		12cp
11554	Masters Architectural Design Studio 4	12cp
11555	Masters Architectural Design Thesis	12cp
		Total 72cp

STM90795 Core subjects

15604	Local Government Management Principles and Practice 1	6cp
15608	Corporate Management and Organisational Change	6cp
15621	Research in Local Government	6cp
15619	Comparative Local Governance	6cp
15620	Local Governance Project	12cp
		Total 36cp

STM90796 Biomedical thread

CBK90881	Level 1 Subjects	24cp
CBK90882	Level 2 Subjects	12cp
		Total 36cp

STM90797 Biomedical thread

CBK90883	Level 1 Subjects	24cp
CBK90882	Level 2 Subjects	12cp
		Total 36cp

STM90798 Economics stream (Honours)

23917	Advanced Macroeconomics	6cp
23907	Advanced Microeconomics	6cp
23908	Economic Modelling	6cp
23918	Economic Policy Seminar	6cp
23909	Thesis Proposal in Economics (Honours)	6cp
23910	Thesis in Economics (Honours)	18cp
		Total 48cp

STM90799 Finance stream (Honours)

25921	Theory of Financial Decision Making	6cp
25922	Financial Econometrics	6cp
25924	Advanced Corporate Finance	6cp
25923	Derivative Security Pricing	6cp
25928	Thesis Proposal in Finance (Honours)	6cp
25929	Thesis in Finance (Honours)	18cp
		Total 48cp

STM90800 China stream

CBK90487	Chinese Language and Culture	16cp
979510	Contemporary China	8cp
		Total 24cp

STM90801 Japan stream

CBK90488	Japanese Language and Culture	16cp
979511	Contemporary Japan	8cp
		Total 24cp

STM90802 France stream

CBK90490	French Language and Culture	16cp
979512	Contemporary France	8cp
		Total 24cp

STM90803 Spain stream

CBK90491	Spanish Language and Culture	16cp
979513	Contemporary Spain	8cp
		Total 24cp

STM90804 Germany stream

CBK90492	German Language and Culture	16cp
979514	Contemporary Germany	8cp
		Total 24cp

STM90805 Italy stream

CBK90493	Italian Language and Culture	16cp
979515	Contemporary Italy	8cp
		Total 24cp

STM90806 Canada (Quebec) stream

CBK90490	French Language and Culture	16cp
979516	Contemporary Canada (Quebec)	8cp
		Total 24cp

STM90807 Switzerland stream

979517	Contemporary Switzerland	8cp
CBK90895	Switzerland options	16cp
		Total 24cp

STM90808 Chile stream

CBK90491	Spanish Language and Culture	16cp
979518	Contemporary Latin(o) Americas	8cp
		Total 24cp

STM90809 Mexico stream

CBK90491	Spanish Language and Culture	16cp
979518	Contemporary Latin(o) Americas	8cp
		Total 24cp

STM90810 Argentina stream

CBK90491	Spanish Language and Culture	16cp
979518	Contemporary Latin(o) Americas	8cp
		Total 24cp

STM90811 Colombia stream

CBK90491	Spanish Language and Culture	16cp
979518	Contemporary Latin(o) Americas	8cp
		Total 24cp

STM90812 Latino USA stream

CBK90491	Spanish Language and Culture	16cp
979518	Contemporary Latin(o) Americas	8cp
		Total 24cp

STM90813 Core subjects (Editing and Publishing)

57046	Professional Editing	8cp
57053	Book Publishing and Marketing	8cp
		Total 16cp

STM90814 Core subjects (Screenwriting)

57101	Advanced Screenwriting	8cp
57142	Writing for the Screen	8cp
		Total 16cp

STM90815 Core subjects

57031	Non-fiction Writing	8cp
57041	Narrative Writing	8cp
57134	Theory and Creative Writing	8cp
		Total 24cp

STM90816 Core subjects (Creative Writing)

57188	Writing Project 1	8cp
57189	Writing Project 2	8cp
57190	Writing Seminar	8cp
		Total 24cp

STM90817 Core subjects (Journalism)

57011	Research and Reporting for Journalism	8cp
		Total 8cp

STM90818 Core subjects (Journalism)

57011	Research and Reporting for Journalism	8cp
57151	Storytelling with Sound and Image	8cp
		Total 16cp

STM90819 Core subjects (Journalism)

57011	Research and Reporting for Journalism	8cp
57013	Journalism Studies	8cp
57151	Storytelling with Sound and Image	8cp
57185	Journalism Major Project 1	8cp
57186	Journalism Major Project 2	8cp
		Total 40cp

STM90820 Core subjects (Property Economics)

16467	Built Environment Law and Ethics	6cp
16234	Property Valuation	6cp
16264	Property Accounting and Financial Management	6cp
16235	Urban Economics	6cp
16233	Urban Planning Process	6cp
16231	Property Management	6cp
16232	Property and Political Economy	6cp
16333	Statutory Valuation and Compensation	6cp
16237	Property Taxation	6cp
16631	Construction and Development Process	6cp
16632	Built Environment Law and Professional Practice	6cp
16633	Macroeconomics for Property	6cp
16641	Property Rights and Landlord Tenant Law	6cp
16642	Property Investment and Valuation	6cp
16643	Property Market Research and Analysis	6cp
16655	Property Finance	6cp
16658	Valuing Projects	6cp
16466	Built Environment Economics	6cp
16634	Financial Analysis	6cp
Select one of the following:		6cp
16657	Property Investment and Portfolio Management	6cp
16656	Sustainable Construction and Development Management	6cp
		Total 120cp

STM90821 Valuation and Law subjects (Property Economics)

16346	Moot Court	6cp
16672	Property Marketing	6cp
16673	Property Corporations	6cp
16674	Independent Study in Valuation and Law	6cp
		Total 24cp

STM90822 Finance and Investment subjects (Property Economics)

16675	Asset Management	6cp
16676	Property Risk Analysis	6cp
16677	Property Investment Vehicles	6cp
16678	Independent Study in Finance and Investment	6cp
		Total 24cp

STM90823 Development and Planning subjects (Property Economics)

15142	Property Development Process	6cp
16231	Property Management	6cp
16679	Independent Study in Development Planning	6cp
16266	Sustainable Urban Design and Development	6cp
		Total 24cp

STM90824 Property thesis stream

16262	Honours Research 1	6cp
16259	Honours Research 2	6cp
16260	Honours Research 3	6cp
16671	Honours Research 4	6cp
		Total 24cp

STM90825 Sport and Exercise Science core stream

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
91429	Physiological Bases of Human Movement	6cp
92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
92524	Health and Lifespan Development	6cp
92533	Exercise Physiology	6cp
92534	Contemporary Health Issues	6cp
92535	Sport and Exercise Psychology	6cp
92536	Research Methods for Sport and Exercise	6cp
92542	Applied Biomechanics	6cp
92543	Exercise Prescription	6cp
92544	Health Promotion	6cp
92547	Nutrition for Health and Physical Activity	6cp
27252	The Sport Industry	6cp
		Total 96cp

STM90826 Exercise Science stream

92553	Complex Exercise Management	6cp
92555	Motor Learning and Control	6cp
27350	Professional Internship (Capstone)	6cp
92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
92562	Exercise Rehabilitation	6cp
CBK90912	Electives	12cp
		Total 48cp

STM90827 Health and Physical Education stream

92553	Complex Exercise Management	6cp
92558	Performance Studies 1: Gymnastics and Dance	6cp
92559	Performance Studies 2: Dance and Athletics	6cp
92565	Skill Acquisition	6cp
92560	Performance Studies 3: Sport and Aquatics	6cp
92563	Applied Exercise Physiology	6cp
CBK90912	Electives	12cp
		Total 48cp

STM90828 Sport and Exercise Science stream

92553	Complex Exercise Management	6cp
27350	Professional Internship (Capstone)	6cp
92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
CBK90913	Sport and Exercise Science electives	24cp
		Total 48cp

STM90829 Sport and Exercise Management core subjects stream

92511	Structural Anatomy	6cp
92512	Biomechanics of Human Motion	6cp
27342	Sociocultural Concepts for Leisure, Sport and Tourism	6cp
21129	Managing People and Organisations	6cp
92521	Functional Anatomy	6cp
92523	Strength and Conditioning	6cp
22107	Accounting for Business Decisions A	6cp
27252	The Sport Industry	6cp
92536	Research Methods for Sport and Exercise	6cp
92533	Exercise Physiology	6cp
92535	Sport and Exercise Psychology	6cp
27307	Sport Management	6cp
92547	Nutrition for Health and Physical Activity	6cp
92543	Exercise Prescription	6cp
24108	Marketing Foundations	6cp
27703	Event Management	6cp
92553	Complex Exercise Management	6cp
27161	Sport Marketing	6cp
27628	Law for Leisure, Sport and Tourism	6cp
27350	Professional Internship (Capstone)	6cp
		Total 120cp

STM90831 Core subjects (JD)

70102	Foundations of Law	8cp
70114	Criminal Law and Procedure	8cp
70311	Torts	8cp
70211	Contracts	8cp
70103	Ethics Law and Justice	6cp
70104	Civil Practice	6cp
70327	Commercial Law	6cp
70317	Real Property	8cp
71116	Remedies	6cp
70106	Principles of Public International Law	6cp
70109	Evidence	6cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp
70107	Principles of Company Law	8cp
70616	Australian Constitutional Law	8cp
		Total 108cp

STM90832 Core (Law)

70102	Foundations of Law	8cp
70311	Torts	8cp
70211	Contracts	8cp
70103	Ethics Law and Justice	6cp
70104	Civil Practice	6cp
70327	Commercial Law	6cp
70317	Real Property	8cp
71116	Remedies	6cp
70108	Public International Law	6cp
70109	Evidence	6cp
70517	Equity and Trusts	8cp
70617	Administrative Law	8cp
70417	Corporate Law	8cp
70616	Australian Constitutional Law	8cp
70114	Criminal Law and Procedure	8cp
		Total 108cp

STM90833 Core subjects (Animation PG)

32543	3D Animation	6cp
57108	Film Animation	6cp
57130	Animation Concepts Seminar	6cp
89200	Graphic Visualisation	6cp
89991	Animation Project A	12cp
89992	Animation Project B	12cp
		Total 72cp

STM90838 No specified major

92550	Sport and Exercise Science Practicum	6cp
92553	Complex Exercise Management	6cp
92565	Skill Acquisition	6cp
92563	Applied Exercise Physiology	6cp
CBK90938	Electives	24cp
		Total 48cp

STM90839 Core subjects (Creative Intelligence and Innovation)

81511	Problems to Possibilities	8cp
81512	Creative Practice and Methods	8cp
81513	Past, Present, Future of Innovation	8cp
81514	Creativity and Complexity	8cp
81515	Leading Innovation	8cp
81516	Initiatives and Entrepreneurship	8cp
81521	Envisioning Futures	6cp
81524	Professional Practice at the Cutting Edge	6cp
81525	Innovation Internship B	6cp
81531	Innovation Capstone: Research and Development	12cp
81532	Innovation Capstone: Realisation and Transformation	12cp
Select one of the following:		6cp
81522	Innovation Internship A	6cp
81523	Speculative Start-Up	6cp
		Total 96cp

STM90840 Core subjects (Engineering)

68037	Physical Modelling	6cp
33130	Mathematical Modelling 1	6cp
48230	Engineering Communication	6cp
33230	Mathematical Modelling 2	6cp
48240	Design and Innovation Fundamentals	6cp
48250	Engineering Economics and Finance	6cp
48260	Engineering Project Management	6cp
		Total 42cp

STM90841 Core subjects

70103	Ethics Law and Justice	6cp
70317	Real Property	8cp
70616	Australian Constitutional Law	8cp
70617	Administrative Law	8cp
		Total 30cp

STM90848 Civil and Enviromental Engineering specialist stream

41010	Energy and Water	6cp
48850	Environmental Planning and Law	6cp
48370	Road and Transport Engineering	6cp
48366	Steel and Timber Design	6cp
		Total 24cp

STM90849 Mechanical and Mechatronic Engineering specialist stream

48661	Heat Transfer	6cp
Select 6 credit points of electives		6cp
48670	Mechanical and Mechatronic Design	6cp
41014	Sensors and Control for Mechatronic Systems	6cp
		Total 24cp

STM90850 Core subjects (Business)

22107	Accounting for Business Decisions A	6cp
21129	Managing People and Organisations	6cp
24108	Marketing Foundations	6cp
23115	Economics for Business	6cp
25300	Fundamentals of Business Finance	6cp
26134	Business Statistics	6cp
20100	Integrating Business Perspectives	6cp
22207	Accounting for Business Decisions B	6cp
		Total 48cp

STM90853 Creative Writing stream

58121	Fictional Forms	8cp
58216	Imagining the Real	8cp
58330	Narrative and Theory	8cp
		Total 24cp

STM90854 Cultural Studies stream

58332	Defining Cultures	8cp
58333	Introduction to Cultural Research	8cp
58335	Digital Communities	8cp
		Total 24cp

STM90855 Digital and Social Media stream

58337	Engagement, Participation, Gamification	8cp
58125	User Experience Design	8cp
58335	Digital Communities	8cp
		Total 24cp

SUBJECTS

010039 Teaching English for Academic Purposes

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject is designed for students who aim to teach programs that support students studying at tertiary level in English. This may include teaching in tertiary preparation courses, academic language support programs, or teaching other subject areas in English-medium universities where some or all students are non-native speakers of English. It is also relevant to teaching in senior secondary schools as a pathway to academic study. The subject takes account of the contexts of English for academic purposes (EAP) in Australia and internationally. The content addresses aspects from the nature of academic English, issues of program design and provision, modes of pedagogy, and practices in testing and assessment. Students engage with theories of language and learning as they have relevance to the context of teaching EAP. They apply theoretical knowledge in explorations of their own practice and that of others in the field.

010040 Program Development and Evaluation in Indigenous Education and Development

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject extends to areas of adult learning to look at evaluation, the development of programs and the complex range of considerations and perspectives that need to be considered in designing and evaluating programs in Indigenous education and development.

010041 Research, Ethics and Indigenous Cultural Heritage

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject focuses on issues, considerations and protocols for educators and researchers working with Indigenous peoples and communities.

010042 Student Learning and Teaching Approaches

6cp; on campus (6 x 3hr face-to-face workshops during semester, plus online learning/negotiated independent learning for participants unable to attend some workshops); availability: not offered to exchange and study abroad students

Participants in this subject develop their understanding of key ideas from research on student learning and teaching in higher education to enable them to reflect on and review their teaching from the perspective of this research. They develop their understanding of a model that relates teaching to student learning and is underpinned by empirical research on student learning and teaching in higher education, so that they become more aware of students' approaches to their learning, the influences of the learning environment on students' approaches to learning, and relations between learning approaches and the quality of the learning outcome. Participants relate this to their approaches to teaching, the nature of good teaching and teaching strategies which encourage high quality student learning. They seek feedback on their own teaching from students and peers and make use of this feedback and the research to plan changes to their teaching to improve the learning environment for students.

010043 Course Design and Assessment

6cp; 6 x 3hr seminars approx. 2 wks apart during semester; availability: not offered to exchange and study abroad students

This subject aims to develop university teachers' ability to design courses and subjects that provide an environment for meaningful student learning in higher education. The subject looks at the context within which subjects and courses are developed and how course design policies shape the development of course goals and subject objectives. Participants in the subject develop an understanding of the principles of constructive alignment (Biggs, 2003) as a method for achieving consistency between objectives assessment and teaching and learning activities. Participants relate the features of effective assessment to their own subject design, with attention to issues of equity, validity, the involvement of students in assessment choices, marking efficiencies, and the provision of effective feedback on student work. This subject enables university teachers to explore a range of methods for improving courses and subjects in order to ensure an effective learning environment for students.

010044 Scholarly Teaching and Learning Project

6cp; 1 x 1hr seminar, once a month project adviser; availability: not offered to exchange and study abroad students

This subject draws together and builds on what participants have learned in other course subjects and their previous teaching experience. It involves participants in undertaking a scholarly project focused on understanding and improving selected aspects of their teaching and learning. Participants choose an area that they would like to investigate, and undertake one plan-act-observe-reflect cycle in which they plan a change to their teaching or subject, implement the change, collect information about its effects, and reflect on the information. The project is informed by scholarly literature related to higher education in general and/or to teaching and learning in the participant's discipline. Participants may choose to develop their project further and communicate it to achieve publishable outcomes.

010045 Reflective Academic Practice

6cp; 1 x 3hr seminar, work experience adviser; availability: not offered to exchange and study abroad students

This subject enables participants to extend their awareness of the broader context of academic work in a practice-oriented university. Participants have the choice of exploring a wide range of topics relevant to their academic work, including research supervision or research-led teaching in their discipline. Credit can be gained towards subject completion by participating in professional development activities offered in the University such as the LEAP modules on entrepreneurship or project management. The subject also provides an opportunity for participants to reflect on their learning over the course as a whole and identify practical learning outcomes for their own practice.

010050 Student Welfare: Implications for Teaching and Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

Living in contemporary society presents many challenges affecting students' readiness to learn and engage with others. This subject describes and analyses some welfare issues currently dealt with in the primary school context. Issues addressed include children's rights, youth suicide, grief, drug and alcohol problems, domestic violence, child abuse, bullying, adoption, and eating disorders. An important aim is to assist future teachers to follow referral procedure, identify appropriate resources and use strategies for coping with these situations when they arise. Presentation of this subject involves visiting experts in their field. It does not have a counselling function.

010051 Beginning Teaching: Surviving and Thriving

6cp
Undergraduate

This subject addresses some of the challenges that beginning teachers meet in their first year of teaching, including interaction with parents, membership of the wider school community, collegial and professional interactions, and management of professional roles and responsibilities. Students explore strategies that assist them to thrive, rather than merely survive, as beginning teachers. The hidden curriculum of the primary school is examined as a means of equipping students with a repertoire of skills that facilitate a smooth transition to becoming a professional primary school teacher.

010052 Environmental Sustainability Education

6cp
Elective

This subject investigates ways in which education for sustainability can be incorporated in the F–6 curriculum, in particular HSIE/Geography and Science and Technology, and the mandate for its inclusion. Education for sustainability involves recognising the need to understand the world around us and how it works, natural and human/social systems, and how these things interrelate. The subject also investigates and supports the development of the skills and experience necessary in implementing, integrating and evaluating related teaching/learning experiences in current curriculum documents and those that are under development. The

subject addresses values such as a commitment to an understanding of environmental sustainability, as well causes and effects related to social justice, globalisation, economics, intercultural understanding, democratic processes and responsible uses of technologies.

010070 Professional Practice 1 Language Literacy and Numeracy

6cp; 2hpw, weekly (TESOL students in Autumn semester), block (non-TESOL students); availability: not offered to exchange and study abroad students
Undergraduate

This subject develops initial practical teaching skills through the observation and analysis of lessons; the planning and delivery of several short, micro teaching activities; undertaking a practicum placement; and the keeping of a reflective journal.

010071 Professional Practice 2 Language Literacy and Numeracy

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject extends the skills developed in Professional Practice 1, in the areas of lesson planning and implementation, and classroom management. The focus in this subject is on supervised classroom practice and the development of a reflective stance in teaching.

010072 Professional Practice 1 Vocational Education and Training

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject aims to develop the professional skills of teachers / trainers within the vocational education and training (VET) sector to meet the learning needs of adults and young adults. The subject links to industry training requirements and draws upon theories of adult and adolescent learning. It requires participants to develop their teaching / training proficiency through the design, delivery and evaluation of lessons. Practical experiences take place within the university setting and at participants' workplaces; feedback is provided by DVD filming, peers, and UTS professional staff.

The subject is one of a pair. Professional Practice 1 focuses primarily on the teacher's role in providing direct instruction, including demonstration of practical skills. Professional Practice 2 is concerned with the teacher as designer and facilitator of student-centred learning. Both subjects additionally aim to develop participants' written communication skills.

010073 Professional Practice 2 Vocational Education and Training

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 010072 Professional Practice 1 Vocational Education and Training
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject aims to develop the professional skills of teachers / trainers within the vocational education and training (VET) sector to meet the learning needs of adults and young adults. The subject links to industry training requirements and draws on theories of adult and adolescent learning. It requires participants to develop their teaching / training proficiency through the design, delivery and evaluation of lessons. Practical experiences take place within the university setting and at participants' workplaces; feedback is provided by DVD filming, peers, and UTS professional staff.

The subject is one of a pair. Professional Practice 1 focuses primarily on the teacher's role in providing direct instruction, including demonstration of practical skills. Professional Practice 2 is concerned with the teacher as designer and facilitator of student-centred learning. Both subjects additionally aim to develop participants' written communication skills.

010074 Professional Practice 1 Human Resource Development

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject is designed to assist students develop their skills in both the practice of HRD and the capacity for critical reflection on their own practice and learning. Within this subject students analyse their own practice and consider how theories and principles discussed in other subjects forming part of this program have impacted on their own human resource development practice.

010075 Professional Practice 2 Human Resource Development

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 010074 Professional Practice 1 Human Resource Development
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject is designed to assist students develop their skills in both the practice of HRD and the capacity for critical reflection on their own practice and learning. Within this subject students extend their ability to analyse their own practice and consider how theories and principles discussed in other subjects forming part of this program have impacted on their own human resource development practice.

010076 Professional Practice 1 Organisational Learning

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject has a focus on the development of professional skills of teaching / training and the facilitation of learning and workplace training / education for organisational learning. The subject has a work-based focus, prepares students for their workplace experience and is supported by theories of adult learning. It involves students in demonstrating the acquisition of skills through practical implementation of new knowledge. This may occur via demonstration of teaching / training skills, design and presentation or facilitation of learning activities and other specific applications underpinning knowledge to effective problem solving in a variety of learning contexts in organisations.

010077 Professional Practice 2 Organisational Learning

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 010076 Professional Practice 1 Organisational Learning
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject has a focus on the continued development of professional skills of teaching / training and the facilitation of learning, workplace training / education and the work experiences of adults. The subject has a work-based focus and is supported by theories of adult learning. It involves students demonstrating the acquisition of skills through practical implementation of new knowledge, presentation to peers and critical reflection on personal learning from an approved workplace experience of 100 hours.

010078 Professional Practice 1 Vocational and Workplace Learning

6cp
Undergraduate

Further information on this subject is available from UTS: Education.

010079 Professional Practice 2 Vocational and Workplace Learning

6cp
Undergarduate

Further information on this subject is available from UTS: Education.

010140 Exchange Elective 1 (Education)

6cp

Further information on this subject is available from UTS: Education.

010141 Exchange Elective 2 (Education)

6cp

Further information on this subject is available from UTS: Education.

010142 Exchange Elective 3 (Education)

6cp

Further information on this subject is available from UTS: Education.

010143 Exchange Elective 4 (Education)

6cp

Further information on this subject is available from UTS: Education.

012208 English Education 1

6cp; availability: exchange and study abroad students with faculty approval

Undergraduate

This subject introduces students to the central role of language in the development of primary students' intellectual, social and psychosocial development. Students are introduced to the NSW K–6 English syllabus and the drama strand of the NSW K–6 creative arts syllabus, and the projected national curriculum. Through a program of structured engagement, students develop knowledge and skills in a repertoire of language practices related to the teaching and learning of language through literature and drama. The subject develops students' knowledge about the English language (printed texts, visual and digital formats), informed appreciation of literature (Australian and international texts) and growing repertoires of English usage (spoken and written modes). Through engagement with the subject, students improve their standards of personal literacy in the context of tertiary studies and primary school teaching. The subject examines a broad range of genres and the crucial aspects of language in the key learning areas.

012209 English Education 2

6cp; availability: exchange and study abroad students with faculty approval

Requisite(s): 012208 English Education 1 OR 024211 English Education 1

Undergraduate

The aim of this subject is to develop students' knowledge and understanding of the nature of literacies with a focus on the knowledge, skills and strategies needed to teach children to read and write and to use reading and writing as a useful, enjoyable part of their lives. This subject follows on from the introductory English Education 1 and focuses on the development of reading and writing in K-6. Students engage in analysing different texts and contexts and develop proficiency in planning, implementing, monitoring and evaluating the literacy development of children K-6. Students also undertake reading and writing activities of their own. Through a functional approach to learning language, students come to appreciate a diversity of language contexts within a multicultural society and gain increasing facility in describing how language works, not only in reading and writing but also across all of the key learning areas. Current theories / research about reading and writing are examined with a focus on the implications for teaching / learning in the primary school context.

012210 Mathematics Teaching and Learning 1

6cp; availability: exchange and study abroad students with faculty approval

Undergraduate

This subject encourages students to become aware of their beliefs about the nature of mathematics and the teaching and learning of mathematics and examine the implications that these beliefs can have for their teaching. Students become familiar with various theories of learning that are dominant in mathematics education. This subject encourages students to use problem-solving approaches in the teaching and learning of mathematics. Students are introduced to ways of teaching and learning concepts, particularly in measurement. The study of measurement concepts involves the modelling of participative and collaborative learning approaches.

012211 Mathematics Teaching and Learning 2

6cp; availability: exchange and study abroad students with faculty approval

Requisite(s): 012210 Mathematics Teaching and Learning 1 OR 025211 Mathematics Teaching and Learning 1

Undergraduate

This subject develops students' understanding of how to work mathematically in the teaching and learning aspect of the NSW K-6 mathematics syllabus. Students use current approaches to develop their own understanding of geometrical and number concepts and to develop strategies and techniques for teaching geometry and number concepts in the primary school. Participative and collaborative learning approaches are employed and the use of reflection and documentation of learning through portfolios is continued. The subject assists students to develop critical thought about, and reflection on, the teaching of mathematics in the primary school.

012212 Mathematics Teaching and Learning 3

6cp; availability: exchange and study abroad students with faculty approval

Requisite(s): (012210 Mathematics Teaching and Learning 1 OR 025211 Mathematics Teaching and Learning 1) AND (012211 Mathematics Teaching and Learning 2 OR 025212 Mathematics Teaching and Learning 2)

Undergraduate

This subject allows students to further develop their philosophy of teaching and learning in mathematics. It examines the construction of, and builds students' understanding in, sound methodological principles for the development of concepts in rational number, introductory algebraic concepts, elementary number theory, and basic ideas in probability and statistics. The subject also identifies and analyses some of the critical issues in contemporary mathematics education, and develops an awareness of their implications for teaching and learning. Students are encouraged to reflect on their own learning about, and teaching of, the NSW K-6 mathematics syllabus. The link with the school-based field component of the corresponding professional experience subject enables students to apply and reflect upon mathematics teaching and learning episodes.

012213 Learning in Science and Technology 1

6cp; availability: exchange and study abroad students with faculty approval

Undergraduate

This subject introduces students to learning and teaching science and technology in the primary school (K-6). Throughout this subject students are encouraged to articulate, reflect on and develop their theories of learning and teaching in science and technology based on their reading of the literature and experiences in the classroom and with primary school-aged children. Students develop their understanding of the nature of science and technology, of current theories of learning and teaching science and technology, and of research that informs those understandings. Students learn how to access information in a variety of forms from a range of sources, and how to critically evaluate information and ideas; a preparation for lifelong learning and for developing scientific, technological, information and language literacy. Students are guided to use the Board of Studies Foundation Statements to develop teaching and learning units and teaching approaches. The subject locates learning and teaching in intellectual, practical, creative, social, gender-inclusive and culturally sensitive contexts.

012214 Learning in Science and Technology 2

6cp; availability: exchange and study abroad students with faculty approval

Requisite(s): 012213 Learning in Science and Technology 1 OR 028221 Learning in Science and Technology

Undergraduate

This subject builds on Learning in Science and Technology 1 and continues to assist student development as a lifelong learner. It guides students in undertaking independent and collaborative inquiry, leading to the creation of new ideas and a critical understanding of established knowledge. Students are supported as they take increased responsibility for their own learning about science and technology concepts, and about pedagogies and approaches to teaching and learning with primary aged students and with programming in this

key learning area. In requiring students to use a variety of sources (including the internet) for accessing, analysing and evaluating information, Learning in Science and Technology 2 contributes to the development of literacy in science and technology and information technologies. Further, it helps students to become informed, ethical and committed primary school teachers and/or scholars and researchers in this field.

012215 Social and Environmental Education 1

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject develops a student's understanding of the NSW primary curriculum area of human society and its environment. Students acquire proficiency in planning, presenting, assessing and evaluating pupils' learning experiences at the K–6 levels, consistent with current syllabus approaches. Students are also encouraged to critically reflect on the wider challenges of preparing Australian school children to become community, national and global citizens. It is anticipated that through studying this subject, prospective teachers do more than inform themselves about the social sciences, but that they hone their skills as social scientists, formulating and expressing the views and questions that social scientists (and all of us) do.

012216 Social and Environmental Education 2

6cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 012215 Social and Environmental Education 1 OR 029211 Social and Environmental Education
Undergraduate

This subject develops students' understanding of social justice issues through a critical examination of the media. It extends students' knowledge of the civics component of the NSW K-6 human society and its environment syllabus and builds pedagogical skill in its implementation. In this subject students investigate current social issues as a means for exploring and understanding social justice matters. One aim of this subject is to enable students to interpret and respond to the media more critically and discerningly, with a view to helping their primary students do likewise. Investigation of social responses include the use of media, consumer power and political processes to effect change. This subject also focuses on a study of devices used by the media, and their role in persuading readers/listeners of certain points of view. At the completion of the subject, students are expected to have a well-developed understanding of the impact that the media have on public opinion, including the power of persuasion through advertising, as well as language bias in news and documentary reports. Students also deconstruct their own learning, and implications for the teaching of topics and content they choose in their own classrooms.

012217 Personal Development, Health and Physical Education 1

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

The aim of this subject is to develop students' knowledge and understanding of the nature of the discipline of personal development, health and physical education (PDHPE), its relationship to supporting the development of the health and wellbeing of the child, and implications for teaching. The subject introduces students to PDHPE in primary schools. It examines health and movement issues relevant to the primary-aged child in today's society. It introduces relevant theories and processes underpinning the discipline and teaching of the PDHPE key learning area. The subject addresses the areas of fundamental movement skills, dance, gymnastics, games, sports, healthy approaches to physical activity, healthy eating, sexual health, safety and protective behaviours, child protection, drug education, social and emotional wellbeing, resilience, connectedness, interpersonal relationships and healthy choices. This involves a thorough analysis of the theoretical and practical movement and health studies supporting the implementation of the NSW K–6 PDHPE syllabus package, with a view to the development of informed and integrated teaching programs. Students participate in activity-based workshops that address supporting topics as well as issues relevant to their future working environments.

012218 Personal Development, Health and Physical Education 2

6cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 012217 Personal Development, Health and Physical Education 1 OR 027211 Personal Development, Health and Physical Education
Undergraduate

This subject aims to further develop students' understanding of the nature of personal development, health and physical education (PDHPE) in primary schools. It involves analysing the NSW K-6 PDHPE syllabus and effectively planning and implementing strategies for PDHPE lessons. The subject builds on the introduction to fundamental teacher knowledge of curriculum content, design and pedagogical skills in the PDHPE key learning area (KLA) with particular reference to the primary school. The subject investigates the roles and responsibilities of teachers of PDHPE and provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. The subject gives insight into a range of curriculum materials, strategies and processes. It investigates the advantages and disadvantages of the various teaching principles for the PDHPE KLA and provides students with the knowledge, skills and understanding to be able to plan, program and teach effectively in all facets of the PDHPE syllabus.

012219 Music, Movement and Dance

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject develops student knowledge of the K-6 NSW Board of Studies syllabus relating to the teaching of music, movement and dance in accordance with the creative arts key learning area. It also develops students' skill and confidence in actively engaging primary students in learning experiences that are developmentally appropriate and meet the diverse needs of those students. This subject focuses on the development of basic skills and understandings in music literacy, classroom-based performance skills, and teaching strategies in the areas of vocalising, movement, playing musical instruments, listening to music, and composing music for the primary school classroom. In examining movement, elements of dance are also explored. Students are involved in the implementation of the curriculum through a range of strategies: whole-class campus-based teaching, peer teaching of musical concepts, presentations of ideas for engaging K-6 students in learning activities relating to music, movement and dance, and through opportunities to apply this learning in school-based settings in the field.

012220 Visual Arts Education

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject engages participants in art practice across a range of 2D, 3D and 4D forms and develops competencies in the fields of art criticism and art history. Participants enhance their capacities in visual literacy, art theorising and aesthetic education through managed classroom dialogue and on-site learning in an art gallery environment. In addition, an introduction to art education methods and essential professional management of learning in visual arts equips participants in this subject to develop engaging, competent visual arts programs and initiatives in their field experience in the primary school.

012221 Philosophical and Ethical Practice in Education

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

The aim of this subject is to assist students to be ethical decision-makers and reflective educational practitioners, basing their actions on their own clearly considered philosophy of education as well as relevant and convincing arguments from research and policy. Such decision-making implies a reasoned and informed approach to teaching based upon an understanding and evaluation of relevant arguments, responsibilities and underlying principles. Students develop and clarify their own philosophy of education by examining various perspectives and the arguments and principles involved in current educational issues. In so doing, it is expected that students further develop critical-reflective skills needed for meaningful and successful educational practice.

012222 Child Development

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

The aim of this subject is to develop student knowledge and understanding of the nature of human developmental change, and its implications for primary education, within the age range of 5 to 12 years. The subject focuses on knowing and understanding children; how they are alike and different, and how they change over time. This is important in helping teachers make appropriate educational decisions. The notion of childhood as a developmental phase and aspects of human development that change over time, including cognitive, biosocial and psychosocial, are considered. Current theories, reflective of the scholarly field, and their implications for practice in the primary school, are examined. Students take part in a program of professional reading, and in a range of class-based and field-based activities that enable a critical consideration of selected theories of human development and how they may inform teaching practice in the primary school.

012223 Research in Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

The aims of this subject are to explore educational issues through research with a view to improving professional practice, to develop student knowledge and understanding of the research process with a specific focus on research in education (teaching and learning) and to foster a critical reflective capacity to enhance and improve praxis. The subject examines the role that educational research can play in informing classroom practice. Students read and interpret a range of research studies from differing paradigms and perspectives. The questions, assumptions, methodologies, findings and implications of these studies are identified and assessed. Discussions centre on ways that such research can be used in developing approaches that help K–6 students learn. Consideration is also given to the role of the teacher as researcher in a school context.

012224 Sociology of Education

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject enables students to apply sociological theories and concepts to the study of education and inequality in Australian society. It supports the development of an understanding of the social world through social theories that seek to explain the social, economic and political forces shaping schools and classrooms. It explores the ways in which these forces interact in the Australian context to influence educational outcomes. The subject focuses on a critical-reflective approach to educational practices and beliefs highlighting the importance of discussion and dialogue in the development of our understanding of educational issues. Some issues examined are the construction of knowledge and the process of socialisation in schools, forms of capital, poverty and disadvantage, globalisation, gender, indigenous and multicultural education.

012225 Issues in Indigenous Australian Education

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject is a mandatory Aboriginal and Torres Strait Islander perspective that provides a scaffold for education students, through field-based and investigative activity, to develop their own capacity to implement some state and federal Indigenous education policy priorities. Enhancing the educational outcome of Indigenous students and ensuring that all school students are appropriately taught Aboriginal and Torres Strait Islander studies are priorities in contemporary education across Australia. The subject provides foundation knowledge and experiences that assists students to recognise underpinning principles that apply to effective partnership with Indigenous communities and reflect upon their own practice and how it might contribute to meeting the diverse requirements of Indigenous Australian students. Issues such as integrating Aboriginal perspectives across key learning areas, historical educational experiences, and the nature and impact of policy, post-colonialism and the foundation status of Indigenous Australians are explored.

012231 Professional Experience 1: Beginning Teaching

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject introduces students to primary school teaching and to the professional teaching standards. It provides a foundation on which future professional experience subjects build in terms of theoretical knowledge and practical skills. It begins the process of integrating theory and practice by forging close links between campus-based activities and field-based experiences.

The campus-based component of the subject orients students to the nature of primary schools, the roles of the primary school teacher, the relationship of teacher to learner, and the diversity of learning experiences offered by the different disciplinary areas. In the field-based component of the subject, students complete a series of distributed full-day visits to a regular primary classroom, with an observational focus. This provides students with authentic experiences on which to base critical reflection and interpretation in terms of the literature.

This subject requires eight days in a school setting.

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/nKP5qjt2s4I
- Academic video: www.youtu.be/wo_aZQqpM3w

012232 Professional Experience 2: Developing Classroom Management

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School
Undergraduate

The central aim of this subject is to introduce students to classroom management in the primary school in terms of the interconnected elements of planning for learning, managing the physical and psychological environments in which learning occurs, and managing student behaviour within those contexts.

This subject provides students with a knowledge and skill base enabling the making of informed and appropriate educational decisions as they relate to daily classroom life. The skills associated with maximising learning and learner cooperation are central to effective teaching practice. On this premise, the subject engages students in critical consideration of learning, planning and presentation strategies for learning episodes and of the skills associated with classroom management in the primary school. The subject examines current professional literature on classroom management. Students apply and critique selected management principles in the context of school-based professional experience settings.

This subject requires 10 days in a school setting.

012233 Professional Experience 3: Integrating Learning Technologies

6cp; availability: not offered to exchange and study abroad students
Requisite(s): (012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School) AND (012232 Professional Experience 2: Developing Classroom Management OR 023152 Professional Experience 2: Developing Classroom Management)
Undergraduate

This subject develops critical thinking on the use of educational technologies in the primary school. It emphasises collaborative learning and encourages students to develop relevant knowledge, skills and attitudes to make effective use of ICT as a professional teacher.

In this subject, students deepen their understanding of how children can creatively use learning technologies to enhance their learning experiences across the K-6 curriculum. They develop their own teaching philosophy and consider innovative pedagogical approaches to using ICT in various key learning areas (KLA), with a particular focus on the science and technology KLA. Students need to demonstrate prescribed ICT competencies before starting this subject. Subject content focuses on the theme of 'children as designers' as a theoretical orientation underpinning K-6 e-learning.

This subject requires 10 days in a school setting.

012234 Professional Experience 4: Integrating Diverse Contexts in Education

6cp; availability: not offered to exchange and study abroad students
Requisite(s): (012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School) AND (012232 Professional Experience 2: Developing Classroom Management OR 023152 Professional Experience 2: Developing Classroom Management) AND (012233 Professional Experience 3: Integrating Learning Technologies OR 023153 Professional Experience 3: Assessment and Evaluating in Education)
Undergraduate

The main aim of this subject is to give students experience, pedagogical skills and background in teaching and learning in a range of diverse educational environments both inside and outside the school classroom. The subject extends students' knowledge and skills base, enabling them to make increasingly informed decisions concerning teaching practices that place the primary student at the centre of learning. Students develop skills in providing optimal learning environments and optimal approaches to learning for primary students in school, at home and in informal learning settings.

The subject addresses the theoretical underpinnings and professional skills of promoting learner interaction, self-initiated thinking and inquiry. It looks at the different approaches, considerations and pedagogies that are needed when students are learning outside the classroom environment. It investigates appropriate learning interactions with a range of adults, such as parents/caregivers, expert visitors to the school and informal educators, in order to provide primary students with the best possible opportunities for learning with their school class and for personal lifelong learning.

This subject requires five days in an informal learning setting.

012235 Professional Experience 5: Teaching Students with Special Educational Needs

6cp; availability: not offered to exchange and study abroad students
Requisite(s): (012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School) AND (012232 Professional Experience 2: Developing Classroom Management OR 023152 Professional Experience 2: Developing Classroom Management) AND (012233 Professional Experience 3: Integrating Learning Technologies OR 023153 Professional Experience 3: Assessment and Evaluating in Education) AND (012234 Professional Experience 4: Integrating Diverse Contexts in Education OR 023154 Professional Experience 4: Designing Educational Programs)
Undergraduate

This subject examines strategies for teaching students with special education needs within the regular classroom. It explores methods of assessment, programming, explicit teaching and classroom organisation to meet the needs of primary students who are experiencing difficulty, particularly in literacy and numeracy. Students with special educational needs can include students from the entire spectrum of skill and development levels, including gifted and talented students.

The subject examines literature in which approaches to educational programming for students with special needs have been evaluated. As such, the subject forms linkages and extends concepts visited by other curriculum subjects in this degree. Students have an opportunity to discuss how changes in the design and delivery of special education impacts on their teaching in mainstream classrooms. It provides the basis for reflective practice in this important area of rapidly changing professional practice. The practical component of this subject allows students to apply the concepts and skills developed in the subject, and reflect on their application in a regular primary classroom and refine their teaching practices accordingly. This subject requires 11 days in a school setting.

012236 Professional Experience 6: Programming and Assessing in Education

6cp; availability: not offered to exchange and study abroad students
Requisite(s): ((012235 Professional Experience 5: Teaching Students with Special Educational Needs OR 023155 Professional Experience 5: Teaching Students with Special Educational Needs) AND (012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School) AND (012232 Professional Experience 2: Developing Classroom Management OR 023152 Professional Experience 2: Developing Classroom Management) AND 012233 Professional Experience 3: Integrating Learning Technologies AND 012234 Professional Experience 4: Integrating Diverse Contexts in Education)
Undergraduate

This subject provides students with a critical understanding of the elements of programming and assessing as fundamental to planning and evaluation responsibilities of the primary school teacher. The subject also explores reporting as a critical means by which the teacher facilitates student learning through effective feedback provision to students, parents/caregivers and school personnel.

The subject focuses on the development of educational programs by classroom-based practitioners. It contextualises programming in the primary school through considering external factors that impact on teachers' decision-making, including local, national and international policies, initiatives and trends in curriculum development. A key aim of the subject is to equip future teachers with practical skills of designing and creating effective classroom programs that are inclusive of students with varying learning needs. Highlighted in this subject are strategies for assessment of student learning within the classroom program, evaluation of that program and approaches to reporting both school activities and individual student achievement to parents and other stakeholders.

This subject requires 10 days in a school setting.

012237 Professional Experience 7: Meeting the English Language Needs of Learners

6cp; availability: not offered to exchange and study abroad students
Requisite(s): ((012235 Professional Experience 5: Teaching Students with Special Educational Needs OR 023155 Professional Experience 5: Teaching Students with Special Educational Needs) AND 012236 Professional Experience 6: Programming and Assessing in Education AND (012208 English Education 1 OR 024211 English Education 1) AND (012209 English Education 2 OR 024212 English Education 2) AND (012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School) AND (012232 Professional Experience 2: Developing Classroom Management OR 023152 Professional Experience 2: Developing Classroom Management) AND 012233 Professional Experience 3: Integrating Learning Technologies AND 012234 Professional Experience 4: Integrating Diverse Contexts in Education)
Undergraduate

This subject develops effective teaching and learning strategies for meeting the needs of all students and accounts for cultural and linguistic diversity (e.g. Aboriginal and Torres Strait Islander students) in primary school classrooms. With specific reference to the NSW K-6 English syllabus, its embedded ESL scales and the Board of Studies Foundation Statements, understanding of the implications for teaching and learning in these contexts is fostered. The subject focuses on the development of talking, listening, reading and writing across all key learning areas, as well as significant issues relating to the acquisition of English as an additional language. Students develop understanding of the impact of culture, cultural identity and diversity in schooling; the specific culture and language learning needs of students; and appropriate teaching strategies.

012238 Professional Experience 8: Reflecting on Educational Practice

6cp; availability: not offered to exchange and study abroad students
Requisite(s): ((012235 Professional Experience 5: Teaching Students with Special Educational Needs OR 023155 Professional Experience 5: Teaching Students with Special Educational Needs) AND 012236 Professional Experience 6: Programming and Assessing in Education AND 012237 Professional Experience 7: Meeting the English Language Needs of Learners AND (012231 Professional Experience 1: Beginning Teaching OR 023151 Professional Experience 1: Beginning Teaching Issues in the Primary School) AND (012232 Professional Experience 2: Developing Classroom Management OR 023152 Professional Experience 2: Developing Classroom Management) AND 012233 Professional Experience 3: Integrating Learning Technologies AND 012234 Professional Experience 4: Integrating Diverse Contexts in Education)
Undergraduate

The subject aims to challenge students' thinking and understanding of crucial aspects of the work of the teacher in the primary school, and develop skills in applying current practices, grounded in a critical awareness of recent literature in the field. To this end, Professional Experience 8 engages students in the completion of two 5-week modules: Module One - Class Management in a School Context which will critically examine how effective classroom management strategies are located within a school-wide approach to student discipline and welfare; and Module Two - NSW Quality Teaching Program: A pedagogical practices framework for professional dialogue to improve students' academic and social outcomes. Throughout the subject, articulation between campus- and field-based elements are also highlighted.

013001 The Psychology of Adolescent Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject examines the nature of adolescents as learners and socio-cultural theories of learning and their implications for secondary teaching. It focuses on psychological variables and individual differences in adolescent students' development and the practical implications and contributions of motivational theory for learning. Central themes include the role of meaning and structure, acquisition of skills, motivation to learn, anxiety and learning, learning concepts and acquiring skills, memory, retention and forgetting, and transfer of learning.

013002 Designing Learning for a Digital Generation

3cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject considers the impact of digital culture on teaching philosophy and how new learning technologies might be utilised in secondary education. The focus is on critique and analysis of using new learning technologies to help teenagers design, think and learn in a digital world, and how these technologies might mediate active, collaborative learning in a secondary education subject. Appropriate pedagogies for both face-to-face and online learning environments are examined.

013003 Evidence-based Practice

3cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject examines evidence-based practices of teaching and learning and their implications for contentious issues such as classroom management, class streaming and homework. Topics include 'teacher as researcher', reflective practitioner, action research, and action learning; the nature of evidence; how, what and when the educator knows students are learning; and what makes teaching effective. Research by UTS staff that exemplifies the role of evidence in teaching and learning is examined.

013004 Issues in Indigenous Australian Education

3cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject examines principles and practices for effective educational partnership with indigenous communities and individuals. It considers Australian social, educational and political policies and histories that affect contemporary Aboriginal education. Integrating Aboriginal perspectives across key learning areas and the foundational status of Indigenous Australians is explored. Topics include significant themes in Aboriginal education, current priorities / statistics pertaining to Aboriginal education, professional and community services / networks within Aboriginal education, cultural inclusiveness, cultural heritage protection and NSW syllabuses pertaining to Aboriginal studies and culture.

013005 The Secondary School

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject considers the knowledge, skills and attitudes teachers require to promote and manage learning in a secondary school. In this subject the theory and principles of teaching are linked to the experiences of in-school practice. The key roles teachers play in education and schooling and the institutional and legal responsibilities and rights of teachers in schools are examined. Topics include the purposes of schooling in a modern age, planning and programming, syllabus development, student-centred learning, effective teaching and classroom management skills, and evaluating teaching and learning technologies.

013006 Educating Students with Special Needs

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject examines issues in special education and how secondary teachers can meet the challenges presented by students with learning or behavioural difficulties. It considers strategies for identifying students with special needs and developing effective programming to meet their needs. Topics include alternative curricula and pathways, adaptations and accommodations, types and purposes of assessment, support services available, adapting written materials, exam provisions, proactive approaches to behaviour management, and interventions and / or supports for students with problem behaviour.

013007 Professional Learning Portfolio

6cp; availability: not offered to exchange and study abroad students
Undergraduate

In this subject students develop and present a professional learning portfolio that documents their learning in becoming an effective secondary teacher. The portfolio can demonstrate learning from a range of areas such as indigenous perspectives, social contexts, learning theory, teaching strategies, e-learning, disciplinary literacy and syllabus content.

The portfolio identifies the student's strengths and areas for improvement using a series of artefacts with reference to relevant elements of the Australian Institute for Teaching and School Leadership (AITSL) National Professional Teaching Standards for Teachers at the Graduate stage. The seven standards are grouped within the key domains of teaching; of professional knowledge, professional practice and professional engagement as indicated in the subject outcomes.

013008 The Socio-cultural Contexts of Secondary Education

3cp
Undergraduate

This subject investigates the sociocultural contexts of secondary education and social theories which seek to explain the social, economic and political forces shaping schools and classrooms. It explores the ways in which these forces interact in the Australian context to influence educational outcomes. This subject focuses on a critical–reflective approach to educational practices and beliefs which enables a critique of educational philosophy and how it influences professional practice. Some of the following issues are examined: the construction of knowledge and the process of socialisation in schools; forms of capital; poverty and disadvantage; globalisation; and gender, indigenous and multicultural education.

013009 Professional Experience 1 (Commerce, Business and Economics)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013039c Commerce, Business Studies and Economics Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013011 Professional Experience 1 (English/History)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013041c English Teaching Methods 1 OR 013045c History Teaching Methods 1
Postgraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013012 Professional Experience 1 (English)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013041c English Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013013 Professional Experience 1 (Geography/Commerce, Business and Economics)

6cp
Requisite(s): 013044c Geography Teaching Methods 1 OR 013039c Commerce, Business Studies and Economics Teaching Methods 1
Postgraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school. Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions. Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In this subject the student demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013014 Professional Experience 1 (History/Geography)

6cp
Requisite(s): 013045c History Teaching Methods 1 OR 013044c Geography Teaching Methods 1
Postgraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school. Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions. Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In this subject the student demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013016 Professional Experience 1 (Languages)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013046c Language Teaching Methods 1

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013017 Professional Experience 1 (Mathematics/ Computing Studies)

6cp
Requisite(s): 013047c Mathematics Teaching Methods 1 OR 013040c Computing Studies Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school. Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions. Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In this subject the student demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013018 Professional Experience 1 (Mathematics/Science)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013047c Mathematics Teaching Methods 1 OR 013049c Science Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective

communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013019 Professional Experience 1 (Personal Development, Health and Physical Education)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013048c Personal Development, Health and Physical Education Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013020 Professional Experience 1 (Science/Computing Studies)

6cp
Requisite(s): 013049c Science Teaching Methods 1 OR 013040c Computing Studies Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school. Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions. Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In this subject the student demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning, and improvement in professional knowledge and practice.

013021 Professional Experience 1 (Science)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013049c Science Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013022 Professional Experience 1 (Visual Arts)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013050c Visual Arts Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013023 Professional Experience 1 (Mathematics)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013047c Mathematics Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school (the subject requires 23 days in a school setting). Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions.

Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In the subject, students demonstrate effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013024 Professional Experience 2 (Commerce, Business and Economics)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013009 Professional Experience 1 (Commerce, Business and Economics)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013026 Professional Experience 2 (English/History)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013011 Professional Experience 1 (English/History)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013027 Professional Experience 2 (English)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013012 Professional Experience 1 (English)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

Access conditions are available in the individual subject descriptions in the online handbook.

013028 Professional Experience 2 (Geography/Commerce, Business and Economics)

6cp
Requisite(s): 013013 Professional Experience 1 (Geography/Commerce, Business and Economics)
Undergraduate

In this subject the student gains professional experience in secondary schools. It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. The student observes lessons, team teaches, assists with classes, and teaches small groups of pupils and classes. In this subject the student analyses and modifies their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013029 Professional Experience 2 (History/Geography)

6cp
Requisite(s): 013014 Professional Experience 1 (History/Geography)
Undergraduate

In this subject the student gains professional experience in secondary schools. It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. The student observes lessons, team teaches, assists with classes, and teaches small groups of pupils and classes. In this subject the student analyses and modifies their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013031 Professional Experience 2 (Languages)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013016 Professional Experience 1 (Languages)

In this subject students gain professional experience in secondary schools. It provides an opportunity to fully engage in a school experience as a teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes, and teach small groups of pupils and classes. Students analyse and modify their experience in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013032 Professional Experience 2 (Mathematics/Computing Studies)

6cp
Requisite(s): 013017 Professional Experience 1 (Mathematics/Computing Studies)
Undergraduate

In this subject the student gains professional experience in secondary schools. It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. The student observes lessons, team teaches, assists with classes, and teaches small groups of pupils and classes. In this subject the student analyses and modifies their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013033 Professional Experience 2 (Mathematics/Science)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013018 Professional Experience 1 (Mathematics/Science)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013034 Professional Experience 2 (Mathematics)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013023 Professional Experience 1 (Mathematics)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013035 Professional Experience 2 (Personal Development Health and Physical Education)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013019 Professional Experience 1 (Personal Development, Health and Physical Education)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013036 Professional Experience 2 (Science/Computing Studies)

6cp
Requisite(s): 013020 Professional Experience 1 (Science/Computing Studies)
Undergraduate

In this subject the student gains professional experience in secondary schools. It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. The student observes lessons, team teaches, assists with classes, and teaches small groups of pupils and classes. In this subject the student analyses and modifies their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013037 Professional Experience 2 (Science)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013021 Professional Experience 1 (Science)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013038 Professional Experience 2 (Visual Arts)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 013022 Professional Experience 1 (Visual Arts)
Undergraduate

In this subject, students gain professional experience in secondary schools (the subject requires 23 days in a school setting). It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teaches, assist with classes and teach small groups of pupils and classes. Students analyse and modify their experiences in order to improve their practice. They demonstrate knowledge of their subject/content and strategies for effective teaching, including effective planning, assessment and reporting, and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013039 Commerce, Business Studies and Economics Teaching Methods 1

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject considers the foundation skills, knowledge, understanding, values and attitudes required of an effective beginning teacher of commerce, business studies and economics in secondary school. (This subject is closely associated with practicum.) An emphasis is placed on professional aptitude and commitment, and current and innovative developments in teaching and learning, particularly with regard to the NSW Board of Studies syllabus' documents presently in use, as well as reflection on teaching practice. It explores teaching strategies and approaches as well as the content, rationale and structure for the study of commerce in stages 4, 5 (years 7, 8, 9 and 10) and business studies and economics in stage 6 (years 11 and 12).

013040 Computing Studies Teaching Methods 1

6cp
Undergraduate

This subject combines theory with practice to explore the skills and understandings required to teach information and software technology/computing studies in secondary school. (This subject is closely associated with practicum.) It examines teaching approaches and strategies for working with adolescents in information and software technology, with a focus on developing knowledge and understanding – and promoting problem solving and critical thinking – in design and development. The topics include the effects of past, current and emerging information and software technologies on the individual and society; responsibilities and ethics in the use of information and software technology; effective communication skills and collaborative work practices; and selecting, and employing a range of appropriate assessment strategies.

013041 English Teaching Methods 1

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject explores how English teaching and curriculum can be organised and managed for effective learning. It combines theory with practice in considering the skills and understanding required for beginning English teaching in a secondary school. The subject includes the study of secondary syllabuses, lesson planning and assessment, and is closely associated with 015250 Professional Experience 1. Topics also include programming; the needs of diverse learners; use of computers in English education in years 7-12; and designing, organising and evaluating methods and materials for English teaching.

013042 Commerce, Business Studies and Economics Teaching Methods 3

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject considers learning and teaching approaches and strategies to promote the study of business studies and economics in stage 6. It examines understanding and skills required to develop the craft of teaching business studies and economics. Professional skill is blended with suitable academic insights as the subject examines a range of approaches and strategies to use in the classroom which reflect research findings in education. Students develop a philosophy of teaching business studies and economics taking account of current syllabuses and policies, and demonstrate understanding of the professional insights and demands of the practising business studies and economics teacher.

013044 Geography Teaching Methods 1

6cp
Undergraduate

This subject develops students' understanding and practice of learning and teaching approaches and strategies to promote the study of geography in stages 4, 5 and 6 (years 7 and 8, 9 and 10, and 11 and 12, respectively). Students are taught the skills, knowledge, understanding, values and attitudes required of an effective beginning teacher of geography in secondary school. This subject is closely associated with Professional Experience (Practicum). An emphasis is placed on professional aptitude and commitment, and current developments in teaching and learning, particularly with regard to the NSW Board of Studies Syllabus' documents presently in use, as well as reflection on teaching practice.

013045 History Teaching Methods 1

6cp; availability: not offered to exchange and study abroad students

This subject develops students' understanding of the nature of history and history teaching. It explores a variety of teaching approaches and strategies suitable for the stage 4, 5 history secondary curriculum as detailed in syllabus documents. The subject aims to provide students with the skills, knowledge, understanding, values and attitudes required of an effective beginning teacher of history in the secondary school. This subject is closely associated with practicum experience. An emphasis is placed on innovative teaching methods, professional commitment, current developments in teaching and learning, and reflection on teaching practice.

013046 Language Teaching Methods 1

6cp

This subject is designed to explore how languages teaching and curriculum can be organised and managed for effective learning. The subject combines theory with practice to provide a student with the skills and understanding required to begin to teach languages in a secondary school. The subject includes study of secondary syllabuses, lesson planning and assessment. The use of technology in the teaching and learning of languages is integrated into each aspect of the subject. The subject is closely associated with Professional Experience 1.

013047 Mathematics Teaching Methods 1

6cp
Undergraduate

This subject explores how mathematics teaching and curriculum can be organised and managed for effective learning. Closely associated with Professional Experience, the subject combines theory with practice to provide students with the skills and understanding required for beginning mathematics teaching in a secondary school. It examines child development and how mathematics is learned, as well as recognising behavioural and diagnostic indicators of pupil comprehension. The subject includes study of secondary syllabuses; lesson planning and assessment; explaining mathematical ideas accurately and with clarity; and using suitable language examples, models, etc.

013048 Personal Development, Health and Physical Education Teaching Methods 1

6cp
Undergraduate

This subject aims to contribute to the preparation of PDHPE teachers who are reflective of their practice, able to cope with the changing nature of PDHPE teaching, have a commitment to interpersonal skills, are able to put current developments in learning and teaching into practice, and have a commitment to lifelong learning.

013049 Science Teaching Methods 1

6cp
Undergraduate

This subject explores how science teaching and curriculum can be organised and managed for effective learning. The subject combines theory with practice to provide students with the skills and understanding required to begin to teach science in a secondary school and is closely associated with 015250 Professional Experience 1. The subject includes study of secondary syllabuses, lesson planning, assessment, interactive approaches to learning and teaching science, and different forms and functions of practical work and its role in learning and teaching.

013050 Visual Arts Teaching Methods 1

6cp
Postgraduate

This subject combines theory with practice in considering the skills and understanding required for beginning visual arts teaching in a secondary school. It examines the notion of practice-based learning through exposure to artists, critical and historical practice, and models of enacted creative practice. This subject explores the importance of 'creating' and 'making' as central to the study of the arts and how visual arts education can be organised and managed. (This subject is closely associated with practicum and associated teaching/learning activities.)

013051 Commerce, Business Studies and Economics Teaching Methods 2

6cp
Requisite(s): 013039 Commerce, Business Studies and Economics Teaching Methods 1
Undergraduate

This subject explores the skills and understandings required to be an effective commerce, business studies and economics teacher. It considers strategies to develop expertise in planning, implementing, managing, and evaluating suitable learning experiences for teaching commerce, business studies and economics. This subject is closely associated with Professional Experience 2. It focuses on professional commitment, current developments in teaching and learning, and reflection on teaching practice.

013052 Computing Studies Teaching Methods 2

6cp
Requisite(s): 013040 Computing Studies Teaching Methods 1
Undergraduate

This subject focuses on preparing proficient beginning teachers in TAS computing subjects and setting a foundation for continuing professional development. Students create programs of work and design educational experiences in computing studies for secondary school students, and consider how to design, organise and evaluate methods and materials for teaching. A range of programs and projects that facilitate student learning are explored. (Students demonstrate ability in applying their educational studies to the teaching of selected computing subjects.)

013053 English Teaching Methods 2

6cp
Requisite(s): 013041 English Teaching Methods 1
Undergraduate

This subject explores the skills and understandings required for effective English teaching, and develops teaching approaches and strategies to promote learning. (This subject is closely associated with Professional Experience 2.) It focuses on professional commitment, current developments in teaching and learning, and reflection on teaching practice. Students demonstrate a developing ability to critique and apply selected key ideas in the NSW stage 4 and 5 English (junior secondary) and stage 6 English (senior) curricula.

013054 Commerce, Business Studies and Economics Teaching Methods 4

6cp
Requisite(s): 013039 Commerce, Business Studies and Economics Teaching Methods 1
Undergraduate

The focus of this subject is on preparing proficient beginning teachers in commerce, business studies and economics, and setting a foundation for continuing professional development. The skills needed to design, organise, and evaluate methods and materials for commerce, business studies and economics teaching are explored. The use of a theoretical framework, grounded in education research, is considered as a basis for future teaching.

013055 Organisational Workplace Learning

6cp

This subject introduces students to the fields of organisational and workplace learning, and human resource development. Students critically explore the theoretical approaches to organisational and workplace learning. They have opportunities to examine a range of strategies developed by organisations to meet organisational and individual learning needs and the challenges posed by technological, social, economic changes to work and organisations. The subject also focuses on the roles of educators/learning and development practitioners in facilitating this learning.

013056 Geography Teaching Methods 2

6cp
Requisite(s): 013044 Geography Teaching Methods 1
Undergraduate

This subject develops students' understanding and practice of learning and teaching geography in stages 4, 5 and 6 (years 7 and 8, 9 and 10, and 11 and 12 respectively). The subject aims to provide students with the skills, knowledge, understanding, values and attitudes required of an effective beginning teacher of geography in secondary school. This subject is closely associated with Professional Experience (Practicum). An emphasis is placed on professional aptitude and commitment, and current developments in teaching and learning, particularly with regard to the NSW Board of Studies Syllabus' documents presently in use, as well as reflection on teaching practice.

013057 History Teaching Methods 2

6cp
Requisite(s): 013045 History Teaching Methods 1
Undergraduate

This subject considers the nature of history and history teaching, and the skills, knowledge, understanding, values and attitudes required of an effective beginning teacher of history in secondary school. Students examine a variety of teaching approaches and strategies suitable for stage 4, 5 and 6 history secondary curriculum as detailed in syllabus documents. (This subject is closely associated with practicum.) They also examine innovative teaching methods, professional commitment, current developments in teaching and learning, and reflection on teaching practice.

013058 Language Teaching Methods 2

6cp
Requisite(s): 013046 Language Teaching Methods 1

This subject is designed to provide participants with the foundation of effective teaching of languages within the perspective of the K-12 contiuum, assist them to develop a flexible and informed approach whereby strategies can be selected appropriate to the learner's linguistic and communicative needs in the process of learning, and maintain and develop participants' own language skills. The focus is on the teaching of the four macro skills of listening, speaking, reading and writing. The aquisition of these skills involves the ability to use various learning and communication strategies, the ability to convey meaning clearly and coherently and the ability to understand both oral and written messages in the target language. All these factors are considered along with the means by which these skills may be best aquired.

013059 Mathematics Teaching Methods 2

6cp
Requisite(s): 013047 Mathematics Teaching Methods 1
Undergraduate

This subject explores the skills and understandings required to be an effective mathematics teacher. It considers strategies to develop expertise in planning, implementing, managing and evaluating suitable learning experiences for teaching mathematics. (This subject is closely associated with 023151 Professional Experience 2.) It focuses on professional commitment, current developments in teaching and learning, and reflection on teaching practice. Topics include impediments to teaching mathematical thinking and how to overcome them, the primacy of problem solving in the teaching and learning of mathematics, and teaching for mixed achieving classes.

013060 Personal Development, Health and Physical Education Teaching Methods 2

6cp
Requisite(s): 013048 Personal Development, Health and Physical Education Teaching Methods 1
Undergraduate

This subject examines the NSW Board of Studies years 11-12 PDHPE syllabus and examines pedagogies including productive pedagogy. The emphasis is on professional practice, that is, the essential knowledge and skills necessary to enter the profession. The focus is on the syllabus and pedagogies, as distinct from the content of the teaching programs.

013061 Science Teaching Methods 2

6cp
Requisite(s): 013049 Science Teaching Methods 1
Undergraduate

This subject considers the skills and understandings required to be an effective secondary science teacher and to create an engaging program for learning in science. This subject is closely associated with Professional Experience 2. An emphasis is placed on professional commitment, current developments in teaching and learning, and reflection on teaching practice. Topics include safety, teaching to mixed achievement classes, organising and evaluating methods and materials for learning, theoretical teaching frameworks, enacting selected policies and perspectives, including ATSI perspectives.

013062 Visual Arts Teaching Methods 2

6cp
Requisite(s): 013050 Visual Arts Teaching Methods 1
Undergraduate

This subject allows students to study curriculum development in Australia, models for teaching and visual arts, within a range of educational contexts, such as schools and community galleries. Students are expected to research current national and international issues in visual arts education to formulate significant programs and models for teaching visual arts. Students focus on syllabus content and critically analyse this in relation to international and national trends, and in response to personally derived models of visual arts education practices.

013063 English Teaching Methods 3

6cp
Undergraduate

This subject is designed to develop knowledge and understanding of teaching and learning approaches to the study of English in stages 4, 5 and 6 (years 7 and 8, 9 and 10, and 11 and 12, respectively – there is a particular focus on stage 6). The subject focuses on the development of proficient, professional and reflective teachers who can apply their educational studies to design, organise and evaluate methods and materials for English teaching, and who commit to awareness of current educational theory and practice.

013064 Language Teaching Methods 3

6cp

This subject aims to develop the craft of teaching languages in the secondary school while blending professional skills with suitable academic insights. The students develop a range of approaches and strategies to use in the classroom, which reflect research findings in education. They develop a philosophy of teaching languages taking account of current syllabuses and policies, and demonstrate understanding of the professional insights and demands of the practising language teacher.

013065 Mathematics Teaching Methods 3

6cp
Undergraduate

This subject aims to develop the craft of teaching mathematics while blending professional skill with suitable academic insights. Students develop a range of approaches and strategies to use in the classroom that reflect research findings in education. They develop a philosophy of teaching mathematics taking account of current syllabuses and policies, and demonstrate understanding of the professional insights and demands of the practising mathematics teacher.

013066 Personal Development, Health and Physical Education Teaching Methods 3

6cp
Undergraduate

This subject examines the NSW Board of Studies years 7 to 10 PDHPE syllabuses as they relate to teaching and learning issues, with particular emphasis on learning to teach from the new syllabus and teaching programs. It combines a practical and theoretical focus to develop skills and understanding of the structure and content of the syllabuses, and provide students with opportunities to explore a wide range of programming, planning, teaching and learning strategies, and computer-based technologies. It also lays the foundation for teacher thinking and theorising.

013067 Science Teaching Methods 3

6cp
Undergraduate

This subject aims to develop the craft of teaching science while blending professional skill with suitable academic insights. Students develop a range of approaches and strategies to use in the classroom that reflect research findings in education. They develop a philosophy of teaching science, taking account of current syllabuses and policies, and demonstrate understanding of the professional insights and demands of the practising science teacher.

013068 Visual Arts Teaching Methods 3

6cp
Undergraduate

This subject explores the skills and understandings required for effective visual arts teaching, and develops teaching approaches and strategies to promote learning. This subject is closely associated with practicum and focuses on professional commitment, current developments in teaching and learning, and reflection on teaching practice. Topics include Indigenous Australian heritage protection issues and their implications for teaching, sociocultural contexts for art education, health and safety requirements, approaches to evaluation and assessment, inclusive practice(s) in visual arts curriculum development, and conceptual frameworks in practice.

013069 English Teaching Methods 4

6cp
Requisite(s): 013041 English Teaching Methods 1
Undergraduate

This subject focuses on preparing proficient beginning teachers in English and setting a foundation for continuing professional development. It explores skills needed to design, organise, and evaluate methods and materials for English teaching. The use of a theoretical framework, grounded in education research, is considered as a basis for future teaching. In this subject students demonstrate a developing depth of knowledge within a selected area of English education relevant to selected NSW stage 4, 5 and 6 English syllabuses and the Australian Curriculum: English. Topics in this subject include methods and types of assessment, teaching writing, drama, Shakespeare and poetry, and strategies to assist student learning in English with an emphasis on student-centred learning.

013070 Language Teaching Methods 4

6cp
Requisite(s): 013046 Language Teaching Methods 1

This subject aims to prepare proficient beginning teachers in languages. It is intended as a foundation for continuing professional development. On completion of this subject, students are able to apply their educational studies to the teaching of languages; to design, organise and evaluate methods and materials for languages teaching; and to use their theoretical framework as a basis for their future teaching.

013071 Mathematics Teaching Methods 4

6cp
Requisite(s): 013047 Mathematics Teaching Methods 1
Undergraduate

The focus of this subject is preparing proficient beginning teachers in mathematics and setting a foundation for continuing professional development. It explores skills needed to design, organise, and evaluate methods and materials for mathematics teaching, and examines stage 6 extension 1 and extension 2 mathematics syllabuses. The use of a theoretical framework, grounded in education research, is considered as a basis for future teaching. In this subject students demonstrate a developing depth of knowledge within a selected areas of mathematics education relevant to selected NSW stage 4, 5 and 6 mathematics syllabuses.

Access conditions are available in the individual subject descriptions in the online handbook.

013072 Personal Development, Health and Physical Education Teaching Methods 4

6cp
Requisite(s): 013048 Personal Development, Health and Physical Education Teaching Methods 1
Undergraduate

This subject combines a practical and theoretical focus on movement skills and socio-cultural concepts and policies. It concentrates on gymnastics, games and different learner groups, while providing students with an understanding of the K-10 PDHPE syllabuses. It develops students' professional understanding and skills and encourages them to develop as reflective practitioners.

013073 Science Teaching Methods 4

6cp
Requisite(s): 013049 Science Teaching Methods 1
Undergraduate

This subject focuses on preparing proficient beginning teachers in science and setting a foundation for continuing professional development. On completion of this subject students are able to apply their educational studies to the teaching of science; to design organise and evaluate methods and materials for science teaching; and to use their theoretical framework as a basis for their future teaching. Students also demonstrate the development of a depth of knowledge within selected areas of science education relevant to selected NSW Stage 4, 5 and 6 science syllabuses.

013074 Visual Arts Teaching Methods 4

6cp
Requisite(s): 013050 Visual Arts Teaching Methods 1
Undergraduate

This subject studies models for teaching the visual arts within a range of educational contexts, including secondary schools and community galleries. It examines research of current national and international issues in arts education and the use of that information to formulate significant models for teaching the visual arts. Students demonstrate the use of the latest technologies to access peak bodies in visual arts learning and teaching. This subject considers syllabus methodologies and critically analyse these in relation to international and national trends and in response to personally derived models of art education practices.

013075 Music Therapy 1

6cp
Postgraduate

This subject provides an introduction to the diversity within the field of music therapy, its context, history, methods, research base and underlying premises (including physiological, psychological, social and spiritual roles of music). Music skills are consolidated and extended: focusing on improvisation, aural skills, vocal care, and composition/repertoire for children. Students undertake clinical practice supervised by registered music therapists and address the issues of professional ethics and self care.

013076 Music Therapy 2

6cp
Postgraduate

This subject examines in more depth a selection of theoretical models, key expressive and receptive techniques, and research methods used in music therapy. Music skills are developed, focusing on improvisation to movement, voice work, accompaniment, and repertoire for adolescents. Clinical practice is continued in the field, developing students' skills in the documentation of music therapy sessions.

013077 Music Therapy 3

6cp
Postgraduate

This subject addresses the need for direction and purpose in casework by studying the procedures of assessment, program design, evaluation and closure. The importance of choosing appropriate research design and analysis methods is highlighted. Music skill development focuses on individual and group improvisation, sight singing, the range of musical styles and repertoire suitable for adults. Clinical practice continues in a range of settings.

013078 Music Therapy 4

6cp
Postgraduate

This subject is designed to support graduating students to enter the profession of music therapy. Topics covered in the subject include supervision, support groups, private practice, professional ethics, communication, and working in multidisciplinary teams. Music skills are further developed in the areas of instrumental proficiency, improvisational freedom, transposition, playing from memory and repertoire for older adults. A project, which contributes to the field, is undertaken, and clinical practice is tailored toward students' intended areas of specialisation.

013080 Integrated Arts Therapy 2

6cp
Postgraduate

This subject focuses on the articulation between music therapy and other creative arts therapies through immersion in the foundations of intermodal expressive arts therapy, which include play, poiesis and imagination. The key differences between arts modalities are examined and students are supported to develop ways in which other arts can enrich their styles as music therapists. Public presentation skills are refined, and arts-based options in research are reviewed. Students also undertake and report the outcomes of self-care projects.

013081 Aboriginal Studies Project

6cp; availability: not offered to exchange and study abroad students
Undergraduate

In this subject students complete a major research project on a subject relating to Aboriginal or Torres Strait Islander society. Under the supervision of a member of academic staff, either in groups or individually, students negotiate their project through a learning contract. They demonstrate the ability to identify a subject for research, access a range of appropriate sources of information, describe and analyse the issues, and present their findings in the production of a major piece of research.

013082 Aboriginal Social and Political History

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject examines and analyses the impact of colonialism on Indigenous Australian people, with particular reference to the Aboriginal inhabitants of this region. The emergence of Aboriginal social and political movements is presented as the basis for repossession of traditional heritages in land and culture. Topics include ethnocentric versions of history, consequences of the practices and policies particularly in relation to the Aborigines Protection Boards, Indigenous Australian social and political movements, and misconceptions about Aboriginal history; and their impact on public opinion to the detriment of Indigenous peoples.

013087 Discourse Analysis

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject examines the theory and practice of discourse analysis and how discourse analysis can inform research and teaching. It introduces a number of approaches to discourse analysis, including conversational analysis, a systemic functional perspective on discourse, and critical discourse analysis, and illustrate ways in which discourse analysis can be applied to a wide range of research questions and contexts. Specific attention is given to discourse as spoken interaction (especially casual conversation) including both language and gesture, and discourse in written texts via various media, and including image in texts.

013088 Educational Management

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces students to key approaches and understandings of management and organisations as they particularly relate to educational organisations and the learning/training functions of other organisations (e.g. private enterprise, community organisations, government organisations). Students explore ways of understanding organisations as a basis for developing their abilities in organisational

analysis, and to critically reflect on their own workplace and other organisations and industries. The subject focuses on a range of management issues, such as workplace and organisational learning, staff development, human resources management and leading and coaching. It provides students with opportunities to gain skills, knowledge and expertise in dealing with a specific operational or logistical issue in the company, the TAFE college, the private provider, the community-based organisation, and the work of the consultant.

013090 e-Learning Design

6cp
Requisite(s): 013091 e-Learning Experiences 1 OR 013092 e-Learning Experiences 2
Postgraduate

In this subject students explore the processes of design, development and operationalisation of e-learning systems, locating such study in actual cases. Students examine ways these new cultural forms might influence and be influenced by the existing structures and functions of organisations: relationships that are fundamental to knowledge management.

They analyse possible cultural barriers to the implementation of e-learning, including deep values, principles and prejudices (particularly in relation to equity and social justice for disempowered groups, locally and globally) and how such barriers might be circumvented. Students elicit those values and principles underpinning e-learning systems that are in tune with existing organisational and cultural structures and consider how such values and principles might be developed in organisations and cultures confronting potentially destabilising development. The subject culminates in a draft proposal for an e-learning design to address educational and / or training issues in the student's own discipline or field of professional practice. By exploring the potential of technology-mediated solutions, students further increase their level of technological fluency.

013091 e-Learning Experiences 1

6cp
Postgraduate

This subject is the first of a sequence of related subjects aimed at helping students develop their understanding of e-learning systems, both as an e-learner and as an e-learning theorist and designer. Without a good grasp of the experience of being a learner and without a clear understanding of the models and theories implicit in e-learning systems, it is difficult to design and operate these systems sensitively or imaginatively.

This subject immerses students, as learners in a learning community, in a small set of carefully chosen e-learning contexts so that their sensitivities to the potency of these media for learning are sharpened. As well, their understanding of problem-oriented approaches to learning (a key set of strategies within this suite of e-learning subjects and courses) is developed. Particular emphasis is placed on understanding the nature and educational significance of e-learning communities and networks. Students attain a basic level of technological fluency by using e-learning approaches to enhance their understanding of aspects of this increasingly important field; and they develop their critical appreciation of the worth of e-learning approaches, from the perspectives of individual learners and active members of a learning community. They use their experience of e-learning, together with their reading and discussion in this subject, to begin to distil educational models and theories for testing and use in their studies and professional practice.

013092 e-Learning Experiences 2

6cp
Postgraduate

This subject is designed to enhance and deepen students' understanding of e-learning, both as a practitioner and as a theorist. It aims to develop confidence about taking a leadership role in the design and use of e-learning systems, through combining experience of collaborative digital tools with an understanding of relevant models and theories.

With an understanding of a range of learning theories, students engage with e-learning systems and identify and critique their design and practical implementation. E-learning is considered in a variety of contexts and cultures. During the subject, students are expected to focus on a particular problem or challenge that is of interest to them and to use their understanding of educational theory and digital practice to offer innovative e-learning solutions.

013093 e-Learning Technologies

6cp
Requisite(s): 013091 e-Learning Experiences 1 OR 013092 e-Learning Experiences 2
Postgraduate

In this subject students engage with selected problem-oriented scenarios, chosen to fit with their needs and experiences, in which actual learning problems are presented, and which have led to the development of particular e-learning contexts. By considering steps, both actual and possible, towards the solution of these learning problems, students develop a basic understanding of a range of e-learning technologies, equipping them to take an informed part in interdisciplinary e-learning design teams. As a central part of their experience in this subject, students are introduced to and develop a basic familiarity with a selected range of technical solutions that are possible for a variety of educational problems. Students' technological fluency is further developed through their consideration of the technological principles implicit in e-learning systems.

013095 Global Englishes

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject explores the implications of the global spread of English, a hotly debated current issue in TESOL (teaching English for speakers of other languages) and applied linguistics. It examines the general causes and effects of the global spread of English, including its current relationship with global media and the internet. This includes linguistic imperialism, linguistic genocide, and the maintenance of global inequality. English in context and the implications of English having become both a global and a local language in many parts of the world is presented. The contemporary roles, status, forms and implications of different varieties of new Englishes, including Indian, Singaporean and Australian Aboriginal English, as well as pidgins and creoles are considered.

013096 Grammar and the Construction of Meaning

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject explores the functional organisation of grammar and how it creates meaning both through the classification of our physical, social and psychological worlds, as well as through the dynamics of negotiating and maintaining social and interpersonal relationships. This subject enables students to develop practical skills in the analysis of the grammar of real-life texts and to develop skills in evaluating the appropriateness and effectiveness of language use. Students develop an understanding of the nature and structure of grammar and text, and develop a terminology to talk about the competencies and needs of language learners in the effective teaching of language, literacy and numeracy.

013097 Human Resource Development in Organisations

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject critically evaluates the major theories and debates that explain the behaviour of people in work settings and the nature of the organisational context where that behaviour occurs. It focuses on individual, group and organisational factors influencing the effectiveness of organisations. The subject analyses, in detail, underlying situational and environmental factors and issues affecting the behaviour of people at work and the impact of that behaviour upon HRD plans and activities. Themes include employee attitudes and behaviour in relation to motivation, organisational performance, motivation, groups and teamwork, decision-making, and the management and development of culture and meaning in organisations. Case studies and exercises are used to illustrate organisational and behavioural issues within the HRD context.

013098 Independent Study Project 1

6cp
Requisite(s): (in spk(s): C04232 Master of Education OR in spk(s): C04231 Master of Arts OR in spk(s): C04245 Master of Arts in Teaching English to Speakers of Other Languages) AND (013952 Research Perspectives OR 013122 Understanding Adult Education and Training)
Postgraduate

This subject enables students to extend their skills and knowledge in an area of education of interest to them. Students design and carry out, in consultation with a member of academic staff, an individual course of study such as a field-based project or an in-depth review of the literature of a particular subject. Enrolment in the subject is contingent upon the student finding a member of academic staff willing to supervise the project and the completion of a form available from student services. The form requires an outline of the work to be carried out and the deadlines for various stages of the project and must be signed by the student, academic supervisor and subject co-ordinator before enrolment.

013099 Individualised Project 1

6cp
Undergraduate

This subject focuses on the extension of skills and knowledge in an aspect of education of interest to the student. In ISP 1 and 2 students design and carry out, in consultation with a member of academic staff, an individual course of study such as a field-based project or an in-depth review of the literature of a particular subject. Enrolment in the subject is contingent upon the student finding a member of academic staff willing to supervise the project. An outline of the work with deadlines for various stages of the project must be signed by the student, academic supervisor and subject coordinator before enrolment.

013102 Introduction to Language

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject provides a broad and applied introduction to the study of language for students who are working towards an initial teacher qualification. It focuses on understanding how English works, which is essential for those embarking on careers as language or literacy teachers. It introduces students to both traditional and functional grammar, and explores the structure and organisation of language. Students investigate the relationship between meaning and grammar, and explore how language varies in a range of social contexts.

013103 Issues in Aboriginal Education

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject focuses on developing a critical understanding of a range of issues concerning Aboriginal education and examines the social contexts within which Australian education and Aboriginal and Torres Strait Islander education operate. Rather than attempting to move to resolution or conclusions about issues in Aboriginal education, it seeks to develop skills and knowledge for approaching the negotiation of issues in creative and strategic ways. It explores how to recognise multiple perspectives on specific issues and the use of metaphor as an approach to generating discourse.

013104 Language and Power

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject is designed to help those with a language/literacy background to develop an understanding of the significance of a critical perspective on issues of language and power, and for those already with a strong view of the political nature of social life to develop an understanding of the significance of language and literacy. Central to the subject is an understanding of the interrelationships between power and language. No previous knowledge in the area is assumed, although the subject attempts to build on knowledge of different areas that participants bring to the subject. The focus of the subject is on broad political and theoretical issues relevant to the concepts of language, power, literacy, and pedagogy. A further aim is to introduce perspectives and techniques for developing critical literacy and discourse analysis skills, and for taking up the pedagogical challenge posed by issues of language and power.

013105 Language Development

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject provides a framework for studying first and second language development, with particular emphasis on social and functional perspectives on language learning. In doing so, it draws out implications for classroom pedagogical practices. The subject offers a survey of the principal topics currently addressed in the study of second language acquisition, and of the major research methods and paradigms used in such studies.

013106 Mentoring in the Workplace

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject aims to develop students' professional learning and mentoring skills. It provides students with opportunities to develop an understanding of the research literature relating to mentoring as well as exploring the issues involved in developing effective workplace mentoring practices. An important part of the subject is interaction with colleagues through UTSOnline. Access to a computer and the internet is required for this subject.

013107 Phonology and Pronunciation

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject explores theoretical and practical perspectives on the teaching of pronunciation within a functional approach to language. Phonemic and prosodic aspects of language are considered, and the role of prosody in contributing to the construction of meaning is explored. Students develop strategies for the teaching of pronunciation to learners of a second language, and also consider phonological aspects of the first language.

013110 Programming and Assessment in Language Literacy and Numeracy

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject considers the knowledge and skills required to develop and implement language, literacy and numeracy programs in adult education. It locates language, literacy and numeracy assessment and program development practices within the broader context of approaches to curriculum development. Participants examine and evaluate assessment methods and procedures to use in developing coherent programs. This subject also explores strategies for monitoring and recording progress and outcomes, and developing student-centred programs.

013112 Research Design

6cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 013952 Research Perspectives
Postgraduate

This subject introduces the design of research across the full spectrum of education - school education, higher education, vocational education and training, and adult and vocational learning in all its forms. It builds on the work of 013348 Research Perspectives. These two subjects provide the main research coursework for UTS: Education master's students. Participants demonstrate their capacity for research and the ability to undertake an independent piece of scholarly research with critical awareness.

013115 Professional Practice and Changing Work

6cp
Undergraduate

In this subject, factors influencing change are identified and strategies for managing them are assessed. It examines models of the learning organisation and processes for change management, including creativity, innovation, ethical practice and strategies for facilitating workplace learning. Participants engage collaboratively with specialists from various fields of adult learning, and discussion topics are drawn from economic, social, political and technological forces impacting on society. The professional adult educator as change agent, consultant, network manager and leader is examined in detail.

013117 Theory and Practice of Literacy

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject aims to provide students with advanced knowledge and skills in teaching literacy in a variety of contexts, and with theoretical frameworks for exploring, evaluating and critiquing a range of pedagogic practices and approaches to literacy teaching and learning. These theoretical frameworks provide reference points for exploring the nature of literate language, the role of literacy in learning, and pathways and processes in literacy development in schools and adult contexts. The subject aims to enable students to engage in an informed way in current debates and discussions around literacy in the public domain. In practical terms, students engage with the enactment of different pedagogies in teaching and learning materials and in teacher–learner interactions.

013118 Teaching and Learning Literacy

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject explores different understandings about the nature of literacy and its role(s) in our society. It provides a rationale for viewing literacy as a sociocultural practice and examines the implications of this approach for developing literacy programs for adults in a variety of contexts. This subject examines methodologies for teaching and learning literacy that draw on theories of literacy, adult learning and social theories of language.

013120 The Psychology of Adult Development

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

In this subject students examine how the 'development of adults' is understood within different schools of thought in psychology and within critiques of these schools of thought. The subject focuses on contemporary adult development practices across different educational and learning sites as mini case studies through which to study psychological assumptions about adult development. These mini case studies include examples such as emotional intelligence, personal development courses, diversity training, self-help books, and coaching; and examples from student experiences. Also discussed are how different theoretical schools of thought within psychology in relation to adult development have their own distinct views on how adults are imagined to develop; what the mechanisms of developing adults are, and how development is understood. The subject also explores how these schools of thought have been critiqued from within psychology; critical psychology; Indigenous and cultural psychology and feminist psychology; and within sociology and cultural studies. If and how these different schools of thought manifest themselves in practice is examined. The subject goes on to ask what the effects and politics of these are in relation to workplace learning, adult education and notions of personal and social change. It is aimed at students from any of the fields of practice represented in the Master's program. The subject provides students with an opportunity to develop their knowledge of different schools of psychology in relation to adult development, to understand how these schools underpin contemporary adult development practices and to reflect critically on their own development practices as a learner and as an adult educator.

013121 Theory and Practice of Teaching English to Speakers of other Languages

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject explores the theories and practices of English language teaching in contemporary society and critically examines the theoretical assumptions that underpin various approaches to TESOL (teaching English for speakers of other languages). With a focus on the teaching and learning of spoken language, it examines approaches to syllabus and program design, including the discourse of the classroom. The content in this subject includes sociocultural approaches to second language learning and teaching, intercultural issues and identity, collaborative learning in the classroom, planning language programs, and assessing spoken language.

013122 Understanding Adult Education and Training

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject surveys a range of theories and research in different aspects of adult education practice. It relates the theories and research to the core activities of teaching, group work, learning facilitation, program design and evaluation, policy formation and implementation. In this subject students demonstrate an understanding of their position in the field of adult education that takes into account personal values, organisational values, ethics and intellectual traditions. The subject also examines debates related to significant contemporary issues.

013123 Work and Learning

6cp
Postgraduate

The nature of work is at the core of many debates about contemporary and future society. A critical aspect of these debates is the role of adult education and learning. This subject is concerned with the changing relationship between work, the economy and adult learning and focuses on contemporary debates and literature.

The subject connects with others offered in the master's programs. There is an overlap with those subjects concerned with issues of skill, workplace and organisational learning, technology and communications. This subject however attempts to place these particular issues within a larger framework that considers changes in the economy and society and adult learning. Its primary concern is not with the specific application of workplace learning but rather in situating those particular applications within a wider political and economic context.

In the subject students look at why there is so much interest in the connection between work and learning; the various assumptions about education, economy and employment are examined; and the practical outcomes of new policy prescriptions are critically explored. Short stories of work and case studies of work and learning are examined.

The subject is designed for those interested in exploring the broader connections of work, economics, labour and management initiatives, policy development and workplace learning. It offers students the opportunity to further their study and reading in areas such as labour process, ethnography of work, economic policy; workplace change; international restructuring including globalisation and the movements of people and jobs across national borders; and examine how education and learning is connected to these areas.

The subject should enable students to understand and better locate policy proposals around workplace change, skill formation, work/life balance, employment and unemployment, power relations at work and economic development, and their connections to learning and in particular lifelong learning.

013124 Work and People

6cp; weekly; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces the world of work and considers an overview of the global changes in modern employment. It examines the skills required to analyse the structure and organisation of work in mature industrial societies. The subject reviews the various shifts in the nature and composition of the labour force. Case studies are used to explore the nature of work and its impact on individuals and groups. The trends and developments in workplace contexts are examined through applied projects.

013125 Adult Education: History, Policy and Context

6cp
Postgraduate

This subject examines the history of adult education and the claims that adult educators have made about the special role and purpose they play. Among these are that the first adult educators were popular educators and that adult education's defining purpose is to support democracy and social change; others concentrate on preparing adult learners for work, to assist adults to achieve self-actualisation and see it as developing human and social capital; while others say adult education provides a second chance at education, especially in the fields of literacy and numeracy, and in underdeveloped economies. How might we understand the claims made for adult education in the early 21st century against earlier claims? Is it still a force for social or radical change or has it been conscripted to deliver a flexible

and adaptable workforce? Can we even say there is a role for adult education or indeed that the term continues to have a particular meaning? By exploring these issues and questions, this subject also looks at contemporary policy and thinking.

013127 Communication Management

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

This subject focuses on developing the ability to apply conceptual frameworks in adult communication management to professional practice. Particular attention is given to communication skills for effective management. Topics to be considered are people in systems and the shadow side of communication management, conflict and communication management, nonverbal communication, persuasion, listening, assertiveness, negotiation, writing, helping and feedback at work, and inter-cultural communication competence.

013128 Learning and Change in Organisations

6cp

Postgraduate

This subject enables teachers, trainers and managers to explain and critique a range of contemporary theoretical perspectives on organisational development in order to enhance educators' analysis of specific organisations, change management methods, communication strategies and initiatives for learning in organisational settings. The subject enhances educators' capability to manage the relentless demands for facilitating learning and managing change, which is now faced by all educational institutions and groups across Australia.

013129 Effective Cognitive Learning Strategies

6cp

Postgraduate

This subject introduces a range of cognitive learning strategies needed for effective lifelong learning. It examines the links between skill, will and self-regulation. This subject presents the knowledge and skills required to identify, use and teach appropriate cognitive learning strategies for effective adult learning. Topics to be considered include the importance of the Information Processing Model as a framework in cognitive learning strategy teaching, basic learning strategies involving repetition, elaboration and organisation, and the role of mnemonic devices in effective learning and mnemonic generation.

013130 Education for Social Change 1

6cp

This subject explores theories of social change and the educational dimension of various fields of practice that overtly seek to bring about social change. They include commercial advertising, social marketing, therapy programs, and popular education. The ideas of great thinkers who have theorised about social change including Thomas Hobbes, Michel Foucault, Karl Marx, Max Weber, Jurgen Habermas and Alfred Schutz are briefly considered. It examines how educators can help people identify choices – to agree, question, challenge or defy – and then learn how to make those choices effective.

013131 Education for Social Change 2

6cp

Postgraduate

This subject considers different education, organising and activist strategies being used by movements and organisations pursuing social justice and change agendas. The sites of social change struggles include the environment movement, democracy movements opposed to authoritarian regimes, feminism, disability advocacy, union movement, and local community action projects. This subject extends the work of Education and Social Change 1 by focusing on educational practices. It examines the difference between propaganda and education, and the individual and social change. Key concepts and practices developed by educators engaged in social change are explored, including naming the world, strategic questioning, story-making, dialectical analysis, culture jamming, and organising.

013132 Technology Enhanced Language Learning

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

This subject provides students with the initial computing and multimedia competencies applicable to the teaching and learning of language. Students learn skills in the application and evaluation of a range of computer-based technology within the specific context of language learning. The emphasis is on learning through experience and students are expected to undertake projects relating to the classroom applications of the technologies to which they are introduced.

013136 Developing People and Teams

6cp

Postgraduate

This subject explores concepts of team development and contemporary perspectives for developing a team culture in organisations. It examines the nature and types of teams and techniques for improving the communication abilities of team leaders and team members. This subject considers strategies for building and maintaining best performing teams. Topics also include coaching and mentoring in teams, autonomy and empowerment, diversity and teams in global and virtual contexts.

013137 Educational Leadership

6cp

Postgraduate

This subject explores the nature and importance of educational and organisational leadership within a variety of adult learning/workplace contexts. It focuses on modern leadership theories and their application to the educational context. It considers current understandings of effective educational leadership that address educational and organisational challenges including change management. Topics to be explored include the implications of organisational culture for leadership, motives and characteristics of leaders, and issues such as style, cultural diversity, and collaboration.

013139 Assessing Learning

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

In this subject, students analyse assessment practices and policies in educational, learning, training and workplace contexts. The educational and learning issues in assessment and how these relate to the purposes of the assessment are explored. Drawing on sociological research, the subject evaluates assessment paradigms and methods of assessment and their use. Students systematically evaluate assessment practice across a range of educational, learning and training contexts. Students apply a range of current academic and practice thinking to their own practice as an educator with a view to enhancing assessment literacy and improving assessment practices. The content for the subject is structured around three core themes: assessment contexts, professional practices and assessment futures.

013140 Simulation and Games

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

This subject examines the scope of the simulations and games field, and introduces theoretical frameworks for their application to particular learning contexts. It uses a practice-based approach to design and usage problems. Relevant theories of human behaviour, social interaction and skill development are considered in relation to the way these inform the design, choices, and use of simulations and games for learning. Concepts examined include 'micro-worlds', online role-play, business management games, social planning games and mechanical simulators.

013141 Language Programming and Assessment

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

This subject explores the programming of learning sequences and pathways for English language and literacy, and issues in assessment in the context of language and literacy programs. It introduces knowledge and skills for designing, evaluating and critiquing programs of learning for English language and literacy. Theoretical explanations for progression in language and literacy learning, and processes of design are examined. It focuses on programming at the levels of curriculum, syllabus, and individual units of teaching and learning in a variety of contexts. The subject addresses both informal and formal processes and procedures in language assessment, including designing and critiquing language and literacy assessment instruments. Critical and ethical issues in assessment practices are discussed.

013142 Adult Learning and Program Development

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject is designed to provide opportunities for participants to explore the skills and knowledge necessary to be competent designers and facilitators of adult learning. It examines some of the principles and processes relating to helping adults learn as well as a variety of ideas about program development in adult education. The subject is suitable both for those relatively new to adult education and experienced practitioners who have not previously studied adult education in an academic program at tertiary level.

013145 Culture, Difference and Curriculum

6cp
Postgraduate

Planning education and training for people with different needs is a central political challenge for those concerned in building a just and democratic society. It is a popular assumption that people of 'different' cultural backgrounds have different educational needs. This subject critically examines this notion that difference can usefully be defined by culture, and looks also at such factors as class, history, identity, gender and politics. The subject links debates about culture and difference directly to the practice of planning curricula that meets the needs of groups with marginal or minority status.

013146 Using Film for Critical Pedagogy

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject is aimed at those who are interested in the potential for films to rouse an audience to ask questions and find answers to pressing social issues in the world. This subject is relevant to students if part of their paid or voluntary work requires them to plan strategies that question the status quo or bring about organisational and social change. Over the semester a variety of short films, excerpts from feature films, web-based film and advertisements are screened. Students view films that pose questions, show the world from different perspectives, and seek to facilitate change, be it social, organisational or personal. These are films with ambitious intentions. They seek to rouse, inspire, agitate, and educate on 'big' issues such as work, war, poverty, exploitation, environmental destruction and ill-health. In other words, films aimed at encouraging viewers to think and act. Are there films that are better at this than others? Drawing on theories of learning and change, the subject facilitates discussion and critique.

013147 Human Resources and Organisational Development

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

This subject critically evaluates the major theories and debates developed to explain the behaviour of people in work settings and the nature of the organisational context within which such behaviour occurs. It focuses on individual, group and organisational factors influencing the effectiveness of organisations. It provides a detailed analysis of the underlying situational and environmental factors and issues affecting the behaviour of people at work and its impact upon HRD plans and activities. Themes include employee attitudes and behaviour in relation to motivation, organisational performance, motivation, groups and teamwork, decision-making, and the management and development of culture and meaning in organisations. Case studies and exercises are used to illustrate organisational and behavioural issues within the HRD context.

013148 Initiatives in Aboriginal Education

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject critically explores Aboriginal initiatives in education through the production of a research project. It examines the different interpretations of policies and programs and their impact on Indigenous Australians. This subject considers the issues raised in conducting and writing research specifically in relation to Indigenous issues, peoples and communities. These include the power of representation and the responsibility of the researcher in this process.

013149 The Language Literacy and Numeracy Learner

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject focuses on the factors that influence individual adult learners of language, literacy and numeracy. These factors are studied in four areas: social, cultural, psychological and educational, and include motivation, goals, learning styles and cultural values. The experiences and practices of the individual learner in the field of language, literacy and numeracy are explored. This subject considers the literacy demands of university study and strategies for developing skills in reading and writing for academic purposes.

013150 Literacy and Numeracy in and for Work

6cp; block, 2 x 1.5 days face-to-face workshops

In Australia and many other OECD (Organisation for Economic Co-operation and Development) countries, there is an increasing focus in the fields of adult literacy and numeracy on teaching and learning literacy and numeracy to meet workplace needs. This subject critically explores integrated delivery of literacy and numeracy in VET courses, and workplace literacy and numeracy programs. Students examine dominant discourses in policy and practice relating to pedagogies of integrated and workplace literacy and numeracy, and analyse what is shaping these discourses and practices. Students also consider alternative discourses, and the pedagogies that might emerge from such discourses and what they could offer that is different to the dominant practices. Students are introduced to theoretical resources for examining alternative discourses.

Typical availability

Autumn semester, City campus

013151 Project Management

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject immerses participants in a number of scalable integrated problem-based learning processes. Students acquire and develop project management skills and related knowledge in a manner relevant to the subject content, through use of purpose-built simulations which model aspects of the cycle of work in standard projects. The subject addresses the nine competencies established in the national competencies framework for project managers and guides participants in the development of strategies for achieving competence at level 3 or 4 of the framework.

013152 Individual Difference and Vocational Education Teaching

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject explores the range of individual differences that are likely to be encountered in the vocational education and training (VET) context and examines teaching and classroom management practices most likely to result in effective learning. Developmental psychology is presented as a basis for understanding the different needs of adolescent and adult learners. This subject reviews access and equity policy requirements and the role of the VET teacher / trainer in meeting these requirements. Students also consider strategies and resources for addressing the learning needs of those with special needs.

013153 Professional Experience 1 (Computing Studies)

6cp
Requisite(s): 013040c Computing Studies Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in the secondary school by placement in a school. Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions. Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In this subject the student demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013154 Professional Experience 2 (Computing Studies)

6cp
Requisite(s): 013153 Professional Experience 1 (Computing Studies)
Undergraduate

This subject centres on professional experience in secondary schools. It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teach, assist with classes, teach small groups of pupils and classes. In this subject the student analyses and modifies their experiences in order to improve their practice. The student demonstrates knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through classroom management skills.

013155 Professional Experience 1 (Commerce, Business Studies and Economics/Computing Studies)

6cp
Requisite(s): 013039c Commerce, Business Studies and Economics Teaching Methods 1 OR 013040c Computing Studies Teaching Methods 1
Undergraduate

This subject introduces the wide-ranging experiences of a school teacher in secondary school by placement in a school. Opportunities vary depending on schedules and timetables but experiences include situation analysis, orientation, staff meetings, meetings with parents, sport activities and carnivals, supervision duties (e.g. playground duty), assessment, reporting, professional development sessions, and excursions. Teaching begins with co-teaching, working with small groups and providing support to cooperating teachers, and leading up to teaching parts of lessons and whole lessons. It includes close supervision from the cooperating teacher. In this subject the student demonstrates effective communication, knowledge of the subject being taught, planning and assessment for effective learning and improvement in professional knowledge and practice.

013156 Professional Experience 2 (Commerce, Business Studies and Economics/Computing Studies)

6cp
Requisite(s): 013155 Professional Experience 1 (Commerce, Business Studies and Economics/Computing Studies)
Undergraduate

This subject centres on professional experience in secondary schools. It provides an opportunity to engage fully in a school experience as teacher, supported by mentoring with cooperating teachers and colleagues. Students observe lessons, team teach, assist with classes, teach small groups of pupils and classes. In this subject the student analyses and modifies their experiences in order to improve their practice. The student demonstrates knowledge of their subject/content and strategies for effective teaching. This includes effective planning, assessment, and reporting and demonstrating a range of strategies to create and maintain safe and challenging learning environments through the use of classroom management skills.

013157 Computing Studies Teaching Methods 3

6cp
Undergraduate

This subject examines the role of communications technology in changing classroom environments. It focuses on the integration of the internet into the teaching of a variety of subjects. Students cooperatively create a website with links to subject-specific resources, and the creation of support materials for classroom implementation.

013158 Computing Studies Teaching Methods 4

6cp
Requisite(s): 013040 Computing Studies Teaching Methods 1
Undergraduate

In this subject students create programs of work and design educational experiences in computing studies for secondary school students. The aim is to prepare proficient beginning teachers in computing subjects, and is intended as a foundation for continuing professional development. On completion of this subject students are able to apply their educational studies to the teaching of selected computing subjects; to design, organise and evaluate methods and materials for teaching; and to use their theoretical framework as a basis for their future careers as teachers.

013159 Independent Study Project 2

6cp
Requisite(s): (24 Credit Points in spk(s): C04232 Master of Education OR 24 Credit Points in spk(s): C04231 Master of Arts OR 24 Credit Points in spk(s): C04245 Master of Arts in Teaching English to Speakers of Other Languages) AND (013952 Research Perspectives OR 013122 Understanding Adult Education and Training)
Postgraduate

This subject focuses on the extension of skills and knowledge in an aspect of education of interest to the student. Students design and carry out, in consultation with a member of academic staff, an individual course of study such as a field-based project or an in-depth literature review of a particular subject. Enrolment in the subject is contingent on the student finding a member of academic staff willing to supervise the project. Before enrolment, the student, academic supervisor and subject coordinator must sign an outline of the work with deadlines for the various stages of the project.

013160 Professional Learning and Practice

6cp; availability: exchange and study abroad students with faculty approval

This subject provides students with opportunities to explore contemporary approaches to professional learning and practice being developed in Australia and internationally. In the context of changing notions of professional learning and inter-professional practices in increasingly global contexts, students critically examine: the different ways learning and practice are theorised; and key issues, such as responsibility, ethics and professional identities. Using recent case studies of research on professional practices in diverse sectors including health and hospitality in Australia and internationally, students gain insights into the ways professionals learn and the links to organisational and workplace learning.

013161 Popular Education and Social Movements

6cp; block; availability: exchange and study abroad students with faculty approval

This subject explores the relationship between popular education and a variety of social movements in a globalised world. It considers the ways in which politics, strategy and pedagogy are used to mobilise resources to support change–orientated collective action around a wide range of local–global issues. Contrary to conventional wisdom, social movements are not simply about challenging or reinforcing power: as historical and current responses to community or group conflicts and issues, they are also important sites of education, learning and knowledge production. This subject is designed to introduce practitioners and researchers to major educational theories and debates applied to the empirical reality of social movements.

013162 Organisational Learning

6cp; block; availability: exchange and study abroad students with faculty approval

This subject seeks to orientate students to current practices in organisational learning. It examines the various theories of organisational learning from the perspective of the individual, organisational unit and whole organisation. The application of these theories to organisations in various sectors is critically examined and case studies of organisational learning are used to illustrate the impact of organisational learning on the long-term performance of the organisation. The future of organisational learning in the context of economic, social, demographic and technological change is also examined.

013163 New Media and Social Change

6cp; availability: exchange and study abroad students with faculty approval

This subject is part of the Popular Education and Social Change major in the Master of Education but is also relevant to students in master's degrees in the fields of communication management, media arts production and journalism. There are two features that distinguish traditional media – such as film, images, music, books, magazines and newspapers – from new media. The first is the digital nature of new media technologies, many of which exploit the power of the world wide web. The second, and for the purpose of this subject, more important feature is the participatory and interactive capabilities of new media. This subject examines how new media has, in the last decade, been used to strengthen 'people's' voice and participation. In particular, the subject explores the ways new media has created opportunities for grassroots groups in communities and workplaces

to be positioned in social change campaigns in ways that are more powerful than when they relied on traditional media. New media has been important in enabling participatory action research and the development of popular education projects. In this subject students also learn how to use various new media for hypothetical or real social change projects.

013164 Narrative and Storymaking in Education and Change

6cp; availability: exchange and study abroad students with faculty approval

Storytelling may be what most distinguishes social movements from interest groups and other forms of collective action because it combines two ways of knowing, the feeling associated with narrative and the thinking associated with analysis. Story-making and telling is central to social movements because it constructs agency, shapes identity, and motivates action. Social movements learn to exercise agency to deal with new challenges partly through the collective construction of narrative. Drawing on theories of learning, storytelling, and narrative, plus examining case studies of storymaking in social movements this subject helps participants examine the pedagogy and practice of collective identity construction geared towards promoting social change.

013165 Leading Learning in the Workplace

6cp; weekly; availability: exchange and study abroad students with faculty approval

This subject is designed to assist students in developing their understanding of leadership as it applies in a workplace learning environment. It examines the concept of leadership as opposed to management and the various theories that underpin current leadership studies. It examines the special nature of leadership in a workplace learning environment at both the group and organisational level and looks at the selection, development and mentoring of current and future workplace learning leaders.

013166 Education in Policy Contexts

6cp; availability: exchange and study abroad students with faculty approval
Postgraduate

The focus of this subject is the dynamic, contested and evolving world of policy, particularly as it affects education in Australia. Given that the process is generally poorly understood, and often emerges around contentious or polarising issues, it is important for practitioners and researchers in private and public sectors, civil society and community organisations to understand the complex and changing world of policy. Within this context, the political and contested nature of policy is explored in relation to questions about who participates in making policy and whose interests are being served, or not. The subject also examines theoretical and ideological frameworks that are linked to broader debates and historical contexts.

013167 Contemporary Work and Learning

6cp; availability: exchange and study abroad students with faculty approval

The nature of work is at the core of many debates about contemporary and future society. A critical aspect of these debates is the role of adult education and learning. This subject is concerned with the changing relationship between work, the economy and adult learning, and focuses on contemporary debates and literature both in Australia and globally. There is an overlap with those subjects in the master's program concerned with issues of skill, workplace and organisational learning, technology and communications, and so on.

Contemporary Work and Learning, however, attempts to place these particular issues within a larger framework. Its primary concern is not with the specific application of workplace learning but rather in situating such applications within a wider political and economic context that considers changes in the economy and society. The subject looks at why there is so much interest in the connection between work and learning; examines various assumptions about education, economy and employment; and critically explores the practical outcomes of new policy prescriptions. The subject helps students gain critical insights into the way changes are taking place in their own workplaces, and enables them to formulate responses to these changes that are informed by a richer understanding of work and learning.

013168 Adult Education: Past, Present, Future

6cp; weekly, on campus; availability: exchange and study abroad students with faculty approval

This subject examines the history of adult education and the claims that adult educators have made about the special role and purpose they play. Among these are that the first adult educators were popular educators and that adult education's defining purpose is to support democracy and social change; others concentrate on preparing adult learners for work, to assist adults to achieve self-actualisation and see it as developing human and social capital; while others say adult education provides a second chance at education, especially in the fields of literacy and numeracy, and in underdeveloped economies. How might we understand the claims made for adult education in the early 21st century against earlier claims? Is it still a force for social or radical change or has it been conscripted to deliver a flexible and adaptable workforce? Can we even say there is a role for adult education or indeed that the term continues to have a particular meaning? By exploring these issues and questions, this subject also looks at contemporary policy and thinking.

013218 Studio Practice: Painting

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject uses both a practice-based and theoretical approach to the exploration of the painted surface within a range of fine arts conventions. Students explore colour theory, pigment, media and surfaces in innovative processes that lead to individualised works and expanded understandings of the potential, significance and diversity of representation through the painted surface. The role of the painter in a post-modern context is examined inclusive of discourse about aesthetic education, creativity and critical theory.

013219 Studio Practice: Ceramics

6cp

This course is designed as an introduction to the media of clay. Historical and contemporary studies of this medium form a basis from which students are encouraged to explore individual expression whilst learning about clay and ceramic techniques. The properties of clay, its sculptural characteristics, safe workshop practice and the firing process pertaining to electric kilns are also addressed in this course.

013401 Professional Experience and Classroom Management 1

6cp; work experience placement plus 10 hours of workshop session or equivalent in blended mode
Requisite(s): (013411c English Teaching Methods 1 OR 013415 Mathematics Teaching Methods 1 OR 013423 Languages Teaching Methods 1 OR 013431 Visual Arts Teaching Methods 1 OR 013419 Science Teaching Methods 1 OR 013437 History Teaching Method OR 013438 Business Studies/Economics Teaching Methods 1 OR 013427 Personal Development, Health and Physical Education Teaching Methods 1 OR 013435 Human Society and its Environment Teaching Methods 1)) OR ((013039c Commerce, Business Studies and Economics Teaching Methods 1 OR 013041c English Teaching Methods 1 OR 013045c History Teaching Methods 1 OR 013046c Language Teaching Methods 1 OR 013047c Mathematics Teaching Methods 1 OR 013048c Personal Development, Health and Physical Education Teaching Methods 1 OR 013049c Science Teaching Methods 1 OR 013050c Visual Arts Teaching Methods 1)

During an extended professional experience, students develop capabilities in the AITSL domains of teaching: professional knowledge; professional practice; and professional engagement. This subject also targets classroom management by exploring what effective teachers do to proactively organise the inclusive learning environment to maximise student engagement in learning and minimise disruption. The subject draws upon evidence-based classroom management practices to provide students with the skills and understanding required to begin to manage learning environments in a secondary school.

Typical availability

August session, Kuring-gai campus

May session, Kuring-gai campus

013402 Professional Experience and Classroom Management 2

6cp

Requisite(s): (013401 Professional Experience and Classroom Management 1 OR ((013009 Professional Experience 1 (Commerce, Business and Economics) OR 013012 Professional Experience 1 (English) OR 013011 Professional Experience 1 (English/History) OR 013023 Professional Experience 1 (Mathematics) OR 013021 Professional Experience 1 (Science) OR 013018 Professional Experience 1 (Mathematics/Science) OR 013019 Professional Experience 1 (Personal Development, Health and Physical Education) OR 013022 Professional Experience 1 (Visual Arts) OR 013016 Professional Experience 1 (Languages))))

Further information on this subject is available from UTS: Education.

013408 Designing Learning for a Digital Generation

6cp

Further information on this subject is available from UTS: Education.

013831 Maths for Numeracy Teachers

6cp; block; availability: exchange and study abroad students with faculty approval

This subject is designed for students who are, or intend to, teach numeracy in a stand-alone numeracy course or in an integrated language, literacy, numeracy course in adult learning contexts including adult basic education or foundation education; TESOL; and vocational education and training in formal and informal adult education settings. The focus of the subject is on developing students' own approaches to learning the mathematics that they need in their teaching contexts.

For a variety of reasons, including negative experiences of school mathematics, many adults have a fear or anxiety about learning mathematics. Using a range of methods including discussions and reflections to examine the affective dimension of mathematics learning, the subject helps students develop confidence and an effective approach to re-engaging with the learning of mathematics. Through the use of a learning contract the students identify the mathematical areas as relevant for their contexts of teaching, and negotiate how they approach and demonstrate their learning.

013949 The Arts in Supervision and Self Work

6cp

In this subject, students learn about expressive arts therapy practices which can be applied to a variety of arts modalities and settings, including individual therapy, supervision and coaching, group therapy and consulting. Learning is based on application of arts based techniques to one's own personal development through autobiographical arts explorations and working in dyads and small groups. Experiential learning is supported by reading and discussion of key principles, peer feedback and supervisison.

013950 Verbal and Body Psychotherapies

6cp

This subject has two streams: one stream examines verbal counselling and psychotherapy skills; the other stream focuses on the importance of the body in the arts therapies. The purpose of both verbal and body-based streams is to provide resources for students' development as empathetic therapists, for increasing self-awareness and expressive range. Experiential work and theoretical background is drawn from various schools of counselling and psychotherapy, somatic education, somatic pschotherapy, rhythm-work and voice-work.

013951 Learning and Change

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

This subject addresses big picture questions about change and learning. A premise that underpins the subject is that there are significant economic, social, technological and identity changes taking place that suggest educators need to be constantly thinking about their purpose, role and practice in the context of the changes in their world.

013952 Research Perspectives

6cp; availability: exchange and study abroad students with faculty approval

Postgraduate

The purpose of this subject is to develop research-literate students who understand research practices and processes, are critical readers of research, and who are able to develop ideas about potential research problems and applications of research in their field of practice. The subject explores how research texts are constructed by assumptions about knowledge, values and the nature of reality, and through research activities and practices which produce accounts of and evidence for innovation. The subject engages with a series of research perspectives, exploring key concepts, case studies and developing research literacy skills. The subject thereby encourages students to explore and critically reflect on their own perspectives on knowledge.

This subject introduces research in education through the critique of carefully selected research texts drawn from different research traditions and perspectives. Participants draw on their own experience of professional practice to inform their critical reading of research texts and to extend their understanding of the diversity of contemporary approaches to research.

The subject aims to equip students with skills and knowledge that are relevant both to students who intend to go on to develop and implement research projects themselves (particularly those intending to undertake 013112 Research Design), and those who engage with research at the cutting edge of their field in order to inform the development of policy and practice.

013953 Adult Learning in Context

6cp; availability: exchange and study abroad students with faculty approval

Undergraduate

This subject introduces the theories and philosophies that inform the practice of adult education and the variety of contexts in which adult teaching and learning occur. It examines a number of key practitioners and theorists who have contributed to, or are identified with, the various schools of thought.

Students demonstrate a developing understanding of their own professional practice as educators as they consider their own approaches to learning and teaching in comparison to the theoretical perspectives on teaching and learning presented in this subject.

013954 Program Design

6cp; availability: exchange and study abroad students with faculty approval

Undergraduate

This subject provides students with the opportunity to explore various approaches to developing programs within different contexts, ranging from the training room to community settings and workplace learning. It assists students to identify, critically evaluate and practice strategies for planning, designing and evaluating programs relevant to a diversity of learners and contexts. The subject provides a critical overview of the formal adult education and training context in Australia.

013955 Assessing Learning

6cp; availability: exchange and study abroad students with faculty approval

Undergraduate

This subject critically analyses assessment practices and policies in educational, training and workplace contexts. It examines how the social and political context influences assessment paradigms and practices. Students identify and evaluate a range of models and tools of assessment, relating these to educational contexts and learning models. Students also reflect on their own skills development and professional learning needs. The subject is structured around three core content themes: assessment contexts, professional practices and learners and learning.

013958 Language Teaching Methodology

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject focuses on the development of language teaching knowledge and skills. It introduces theories and approaches to teaching spoken and written language. Students explore strategies that promote purposeful and communicative language use in relation to specific contexts for language teaching and learning. Topics include approaches to lesson planning and task design, critique and evaluation of current language teaching materials, and application of language teaching theories in diverse settings.

013959 Communication and Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject focuses on the professional development of adult educators as communicators in academic contexts such as adult education workplaces and universities. It considers the spoken and written communication skills necessary to become effective members of organisations. The subject also examines approaches for analysing communication events and written texts to provide tools for understanding spoken and written language use in a variety of situations. Topics include the relationship between teaching and learning and the nature of human communication, academic speaking and listening, academic writing, and different text types of written communication in learning environments.

013960 Individual Communication in the Workplace

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject examines communication processes and skills used by individuals in the workplace. It explores theoretical approaches to individual communication in the workplace, including transmission and transactional approaches. The focus is on assisting educators to develop their own and others' interpersonal skills. Both oral and written dimensions of workplace communication are analysed, including development of public speaking, self-presentation and interpersonal skills. Topics to be considered include nonverbal communication, emotional intelligence, listening, questioning, reframing, assertiveness, conflict management, intercultural communication in the workplace, and developments in interpersonal skills training.

013961 Team Communication in the Workplace

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject forms part of a major sequence providing specialist knowledge for adult educators wishing to teach/train in areas of communication studies. In this subject communication processes and skills are examined to assist educators to facilitate the learning and performance of teams in the workplace. In particular, educators investigate a variety of communication techniques to enhance team quality and productivity, increase team member satisfaction and motivation, improve performance as a team leader and/or team member, achieve and maintain team cohesiveness and interpret communication interactions within the team.

013963 Cultural Diversity at Work

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject examines the workplace in a social and cultural context and introduces the complexities of learning and working with diversity. It provides participants with the knowledge and skills to identify and understand the sociopolitical nature of cultural diversity and how this has developed in Australian society and its workplaces. The subject reviews Australia's cultural history and how it is relevant to the changing work environment and the changing nature of work in an increasingly globalised world. Finally, the subject investigates and analyses practical applications of approaches to working with and managing cultural diversity.

013966 e-Learning Experiences

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces the concept of e-learning and its application and applicability in an organisational context. It explores a range of technology-mediated learning tools and examines them from both a personal and organisational perspective. Case studies examining organisations currently employing e-learning strategies highlight workplace issues and are critically analysed in comparison with the experiences gained from participating in an e-learning short course.

013967 e-Learning Design

6cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 013966 e-Learning Experiences
Undergraduate

This subject uses the knowledge and experiences developed in 013966 e-Learning Experiences to identify and examine theories that underpin the development of e-learning content within an organisational context.

The subject focuses on the construction of e-learning environments in the organisational context by using a problem-based approach in which students analyse learning contexts and design strategies informed by the application of learning theories, visual communication and multimedia principles, and selection of educational technologies.

Students also develop a basic level of proficiency in a number of educational technologies in order to review and evaluate the suitability for the organisational context.

013970 Using Information Technology for Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces students to an understanding of information technology and computer systems as they apply to educational and human resources development contexts. On completion of this subject students should be able to effectively use computers and other information technologies in educational and training contexts to solve and document relevant problems. The understanding and skills developed are designed to promote confidence in the operation of computer hardware and software. The subject covers the educational use of computers in the application areas of word processing, databases, spreadsheets, graphics, multimedia and communication. The subject also focuses on the development of information literacy. Information literacy is related to information technology skills but is broader in its application. It furnishes the basis for life-long learning and is common to all contexts of teaching and learning at all levels of education.

013971 Teaching and Learning Numeracy

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject explores concepts of numeracy, and adult numeracy as a field of practice, drawing on both Australian and international research. Students develop a working definition of numeracy, an appreciation of the diversity of adults who participate in numeracy learning, and understanding of theories of numeracy and mathematics learning. Students have opportunities to apply their theoretical understanding to practical tasks of designing and critically evaluating teaching approaches and resources.

013972 Organisational Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

The subject provides students with opportunities to apply their organisational learning (OL) knowledge and skills developed prior to, and during their final year of undergraduate study. For part of the semester, students use an interactive learning environment created as an 'organisation in the classroom' simulation to develop an understanding of forces at work within human systems, groups and organisations. Students create an OL strategy for a particular organisational context that builds upon their knowledge and

assessment of organisational learning theories and practices and integrates their understandings of organisations, change and contexts for learning. The completed assessments provide examples of critical theoretical readings, group-based analysis of organisational barriers to learning and the design of a OL strategy that can contribute to professional practice in organisational learning and transfer to students' workplaces.

013973 Adult Education Policy in Context

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject is designed to create critical awareness and understanding of education policies in Australia, particularly adult education, as they affect teaching, learning and the provision of courses across NSW and Australia. The subject provides an historical context for understanding important policies and an appreciation of the affect that policies have on professional practice in different fields of specialisation.

013974 The Psychology of Adult Learning

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject considers the major psychological approaches to adult learning and teaching. These include processes for developing cognitive and performance skills, variables affecting acquisition, retention and transfer of knowledge and skills, and a range of learner characteristics that affect learning. The subject explores how to apply an understanding of psychological principles when making decisions affecting the teaching and learning process.

013975 Designing and Developing Simulations and Games

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces the world of 'play as learning'. It explores current theoretical frameworks relating to the selection, design and development of simulations and/or games for a variety of contexts. Basic design principles are introduced including psychological theories relevant to cultural factors, language issues and other specific characteristics.

The subject provides a theoretical underpinning and related skill development for choosing, adapting, designing, constructing and managing active learning contexts. Exemplar models of simulations and games from a variety of sources are examined.

013976 Strategic Human Resource Development

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject extends students' awareness of the diverse practices of human resource development (HRD) as an area of organisational activity. It emphasises the importance of integrating HRD practice and activity into the broader scope of organisational strategic directions and examines activities related to the development of all employees to achieve desired organisational outcomes. While some attention is directed to traditional approaches to organisational training, this subject particularly examines a diverse range of alternate learning, organisational development and performance improvement strategies which can be used to enhance organisational learning and facilitate organisational change and development.

013977 Teaching and Learning in Practice

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces principles and practices associated with both teaching and facilitating learning, which are relevant for a range of adult learning contexts. As such the subject both extends learner understanding of a range of concepts introduced in other foundation subjects, as well as providing an introduction to more specific subjects which focus on learning and development in more specialised contexts (e.g. education institutions, organisations, community sector).

013978 Research and Inquiry

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject aims to develop an understanding of the relationship between research and professional practice. In particular, it develops an understanding of how research is used to shape, inform, critique and/or change practice. It focuses on developing research literacies that enable professional educators to evaluate research texts relevant to their field of practice, as well as design ethical research methods and justify their appropriateness for addressing professional problems and/or issues that arise in their professional practice.

013979 Organisational Learning and Change: Local and Global

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

In this subject students study three arenas where there are intense efforts to lead and facilitate change. The first arena is organisational management with a focus on improving organisational learning, performance and productivity. The second arena focuses on workers and community groups that are concerned also about quality of life, work conditions and corporate social responsibility. The third arena is that of large organisations seeking to lead and facilitate change for environmental sustainability. The subject is designed to provide a counter-point to the widespread interest only in changing organisational effectiveness through the development of people (or 'human capital').

013980 Identity, Culture and Communication

6cp; weekly and block schedules to be developed by lecturers to fit in with the delivery modes
Undergraduate

This subject aims to develop an understanding of the relationship between identity, culture and communication and the importance of this relationship in both professional and personal contexts. It explores identity and culture as socially constructed and dynamic, and examines these concepts in relation to the individual and society, as well as their relationship to learning and teaching. The subject also extends students' interpersonal and intercultural communication skills through an understanding of how language is related to social contexts.

013981 Teaching Aboriginal Studies

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject focuses on developing competent teachers of Aboriginal studies through practice and critique. It considers a range of issues, strategies and resources for presenting information about Indigenous Australian studies. This subject explores a number of approaches to translating social content in learnable/teachable episodes and examines ethical issues in the teaching of Indigenous Australian studies. A range of resources and Indigenous Australian studies sessions are critiqued through peer assessment.

013982 Aboriginal Cultures

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

The subject description is available from UTS: Education.

013983 Academic Literacies in TESOL and Applied Linguistics

6cp

This subject is designed to assist postgraduate students for whom English is a second language, particularly international students. It develops students' academic literacies in the fields of TESOL and applied linguistics by analysing key research literature and supporting students to develop the genres and grammar of second language (L2) writing. The subject additionally develops competence in spoken communication in English-speaking settings.

015033 Programming for Community Learning

6cp
Undergraduate

This subject engages with concepts and practices of approaching and developing community learning programs to empower social action and change. It posits itself through identifying and building on community strengths and with theories and practices of appreciative inquiry and asset-based community development. Learning is approached from a positive rather than deficit foundation that aims to give voice to community members on community issues.

015144 Education and Cultural Diversity

6cp
Undergraduate

Australia is one of the most culturally and linguistically diverse countries in the world and is still in the process of developing appropriate ways of responding to this diversity in terms of equity and social justice; and in terms of valuing and maximising the advantages of such diversity. Adult educators working in a range of community and Aboriginal contexts need therefore to develop an understanding of their own and others' cultures in order to operate effectively and flexibly within such a culture of change.

015356 Learning in Diabetes Education

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject aims to develop students' understanding of how to promote learning in diabetes education. Adult learning principles are examined in the context of theories of health behaviour and the implications these have for practice. Practical workshop sessions supported by a range of learning materials, provide students the knowledge to design, deliver and evaluate diabetes education. This subject also facilitates students' ability to become effective self-directed professionals by providing strategies for them to reflect on their own development as diabetes educators.

015381 Thesis Development and Appraisal

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject is designed to develop the competencies necessary to plan and write an honours thesis. It also aims to critically develop the knowledge and skills required to critique research proposals, plans and outcomes. It contributes to the course aim by developing critical thinking about applied research which in turn contributes to academic thesis writing skills.

016102 Thesis (Education)

0cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject is the thesis component for part-time students of the Master of Education (Honours). Students are required to complete a thesis of 50,000 words.

016714 Research Proposal Development

9cp

For further details, contact UTS: Education.

016715 Analysing Professional Practice

9cp
Postgraduate

This subject is designed to help students develop a critical posture in relation to their educational practice and the sites in which they work. A relevant framework for critically analysing practice is discussed and then applied, illustrated and refined using the students' educational sites as case studies. Students are required to present their own case study and maintain a portfolio of written comments on the presentations of other students.

016716 Introduction to Doctoral Research

9cp

For further details, contact UTS: Education.

018723 Research Dissertation 1 (Education)

24cp

For subject description, contact UTS: Education.

018724 Research Dissertation 2 (Education)

24cp
Requisite(s): 018723 Research Dissertation 1 (Education)
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Education.

019950 EdD Thesis: Education

0cp; availability: not offered to exchange and study abroad students

The subject description is available from UTS: Education.

019981 Thesis (Doctor of Education)

0cp; availability: not offered to exchange and study abroad students

The subject description is available from UTS: Education.

019982 PhD Thesis: Education

0cp; availability: not offered to exchange and study abroad students
Postgraduate

The subject description is available from UTS: Education.

020705 Educational Drama

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject develops a foundation knowledge in the theory and practice of educational drama; explores a variety of drama strategies and forms an approach for developing literacy; investigates the role of the teacher in developing literacy through drama; develops educational drama resources and teaching materials suitable for use in the school; evaluates the acquired knowledge through talk, reading enactment and writing; and examines the role of educational drama across the key learning areas.

021412 Educational Computing Study 2

6cp
Requisite(s): 021311 Computer-mediated Learning for Children
Undergraduate

This subject focuses on the use of integrated packages as information-handling and problem-solving tools, with specific reference to educational context. Students are introduced to spreadsheets and further work is done on databases. Finally, concept mapping software is studied from a student learning perspective as well as a teacher productivity tool.

021702 ICT in Primary Education: Current Issues and Applications

6cp

This subject provides an overview of contemporary social issues, curriculum issues and emerging learning technologies relating to the use of ICT in K-6 education. Strategies are developed for keeping up-to-date with K-6 e-learning trends and developments, including new pedagogical approaches. Sessions are mostly hands on and students develop related technical skills (no experience necessary).

022203 HSIE Study 2: Conflicts and Resolutions

6cp; 3hpw
Undergraduate

Developing the skills, attitudes and self-esteem to productively manage conflict is essential as a means of facilitating learning. It is also a vital life and vocational skill, arguable as important in the home and workplace as in international affairs. This subject allows students to explore the causes and possible resolutions to conflicts. Students also explore examples of conflicts as part of contemporary and historical sociologies, critically analysing the actions and possible motivations of the main players.

022204 HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching

6cp; 3hpw; availability: exchange and study abroad students with faculty approval
Undergraduate

Australians are becoming increasingly aware of regional and global shifts in power and influence, particularly the 'emergence' of the Asia-Pacific region, and the implications this has for Australia in terms of its links with the region. At the same time, an awareness of Australia's Aboriginal history, and now, of Aboriginal and non-Aboriginal shared

histories and futures, is emerging. This subject investigates some of the implications this has for teaching in the Australian context. It examines the nature and theoretical underpinnings of intercultural studies, and looks into the dynamics of the Australian classroom in the national, regional and global context. The subject explores some of the current debates in Australia with regard to multiculturalism, immigration, Aboriginal issues, refuges, etc., and their implications for teaching.

022601 Learning Beyond the Classroom

6cp
Undergraduate

An important component of teaching involves taking students outside the classroom. Research increasingly shows that teaching strategies need to be specifically developed for these learning environments, and that classroom teachers are often not aware of the range of options available for making these experiences meaningful. This subject investigates the research base and then looks at applications of its findings. The subject includes considerable 'learning outside the classroom'.

022602 Independent Study

6cp
Advanced study elective
Undergraduate

This subject allows students to develop their own learning project in consultation with a member of the academic staff. The project may take the form of a reading course, a field-based study or an action-research project relating to an aspect of primary school education.

022603 Teaching Across the Curriculum

6cp; availability: exchange and study abroad students with faculty approval
Elective
Undergraduate

This subject focuses on the practical and creative ways in which teachers can incorporate aspects of the curriculum into integrated units. It is based on the philosophy that learning is most successful within meaningful contexts and when it is holistic rather than fragmented. Ways in which cross-curricular teaching can be programmed, assessed and evaluated are also explored. In recognition of the demands of programming for teachers, the integration of ICT is also examined.

023001 Psychology of Secondary Students

6cp
Postgraduate

The aim of this subject is to provide students with an understanding of the principles and patterns of human growth and development in the secondary school years; a knowledge of types of learning and their interaction with teaching approaches; and a knowledge of effective ways of interacting with their students.

023122 Professional Practice in Personal Development, Health and Physical Education 1

6cp
Postgraduate

This subject is divided into two modules, each requiring two hours attendance a week. Module A examines the Board of Studies' (BOS) years 7–10 PDHPE syllabus. Module B examines teaching and learning issues, with a particular emphasis on pedagogies in the BOS years 7–10 PDHPE syllabus. The emphasis of this subject is on professional practice, that is, the essential knowledge and skills necessary to enter the profession. The focus is on the syllabus and methodology, as distinct from the content of the teaching programs.

023123 Professional Practice in Personal Development, Health and Physical Education 2

6cp
Requisite(s): 023122 Professional Practice in Personal Development, Health and Physical Education 1
Postgraduate

This subject is divided into two modules, each requiring two hours attendance a week. Module E examines the new stage 6 PDHPE syllabus (preliminary and HSC courses). Module F examines the new 25-hour PDHPE course called Crossroads. Together with the modules in 023126 Learning in Personal Development Health and Physical Education 2 (modules G and H), all four modules provide students with the opportunity to examine relevant school syllabuses and policies and apply these documents in their preparation of programs and lessons. It develops students' professional understanding and skills and encourages them to develop as reflective practitioners by providing models of teaching excellence. The subject comprises compulsory modules which enhance students' ability to teach PDHPE.

023124 Professional Practice in the Secondary School

6cp
Postgraduate

This subject combines theory with practice to provide students with the skills and understanding required to begin to teach in a secondary school. This subject develops students' teaching approaches and strategies to promote learning with the skills and understandings required of an effective beginning teacher. This subject is closely associated with practicum. An emphasis is placed on professional commitment, current developments in teaching and learning, and reflection on teaching practice.

023125 Learning in Personal Development, Health and Physical Education 1

6cp
Postgraduate

This subject is divided into two modules, each requiring two hours attendance a week. Module C examines controversial and sensitive issues (with some reference to the catholic education PDHPE syllabus). Module D concentrates on dance, and combines a practical and theoretical focus. In this subject, the emphasis is more on the component areas of personal development, health and physical education in terms of the basic requirements for recruitment into the profession. The focus is on the foundational content of the teaching programs, as distinct from the syllabus and methodology. Together with the modules in 023122 Professional Practice in PDHPE (modules A and B), all four modules emphasise developing skills and understanding of the structure and content of the syllabuses, and provide students with opportunities to explore a wide range of programming, planning, teaching and learning strategies and computer-based technologies.

023126 Learning in Personal Development, Health and Physical Education 2

6cp
Postgraduate

This subject is divided into two modules, each requiring two hours attendance a week. Module G concentrates on gymnastics and movement skills in the years 7–10 syllabus. It combines a practical and theoretical focus. Module H examines the concept of a sociocultural perspective on health in relation to K–12 health issues. Taken together, the two modules emphasise developing skills and understanding of the structure and content of the K–12 PDHPE syllabuses, and provide students with opportunities to explore a wide range of programming, planning, teaching and learning strategies, and computer-based technologies. Together with the modules in 023123 Professional Practice in PDHPE 2 (modules E and F), all four modules provide students with the opportunity to examine relevant school syllabuses and policies and apply these documents in their preparation of programs and lessons. It develops students' professional understanding and skills and encourages them to develop as reflective practitioners by providing models of teaching excellence. The subject comprises compulsory modules which enhance students' ability to teach PDHPE.

023137 Professional Practice in Catering for Difference and Special Needs

6cp
Postgraduate

The aim of this subject is to provide students with effective ways of interacting with students; strategies for identifying students with learning or behavioural difficulties; knowledge of how secondary school teachers can meet the challenges presented by students with special needs, including those with learning or behavioural difficulties, and gifted and talented students; and an understanding of the educational issues relevant to the use of alternative curricula and learning contexts, including alternate pathways in post-compulsory education.

023138 Social and Philosophical Aspects of Secondary Education

6cp
Postgraduate

This subject consists of two strands which together enable students to investigate the sociological and philosophical dimensions of secondary education. In the social bases strand, students explore social theories which seek to explain the social forces shaping schools and classrooms and the ways in which school and society interacts in the Australian context. They also investigate how social characteristics influence the educational outcomes of certain social groups and current policies and programs which address these influences. In the critical issues strand, students begin to clarify their own educational philosophy. They do this by analysing and evaluating a range of positions on critical educational issues which confront secondary educators at the present time. From this, students determine their own stance on these issues and identify how this will impact on their professional practice.

023156 Professional Experience 6: Promoting Student Centred Learning

6cp
Requisite(s): (023151 Professional Experience 1: Beginning Teaching Issues in the Primary School OR 023111 Practicum 1: Beginning Teaching) AND (023152 Professional Experience 2: Developing Classroom Management OR 023112 Practicum 2: Developing Classroom Management) AND (023153 Professional Experience 3: Assessment and Evaluating in Education OR 023116 Practicum 6: Assessing and Evaluating in Education) AND (023154 Professional Experience 4: Designing Educational Programs OR 023115 Practicum 5: Designing Educational Programs) AND (023155 Professional Experience 5: Teaching Students with Special Educational Needs OR 023114 Practicum 4: Managing Learning Difficulties OR 012235 Professional Experience 5: Teaching Students with Special Educational Needs)

This subject extends the knowledge and skills base of students, enabling them to make increasingly informed decisions concerning teaching practices that place the primary student at the centre of his or her learning. It addresses both the theoretical underpinnings and professional skills of promoting learner interaction, self-initiated thinking and enquiry. It also examines the phenomenon of individual differences in primary education and associated practical implications for learning and teaching. Further, this subject explores learning beyond the classroom, looking at the different approaches and considerations that are needed when taking students outside the school environment and in providing students with the best possible opportunities for learning with their school class and for life-long learning.

023157 Professional Experience 7: Reflection on Educational Practice

6cp; availability: not offered to exchange and study abroad students
Requisite(s): (023156 Professional Experience 6: Promoting Student Centred Learning OR 023882 Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models OR 023832 Special Education Practicum 2: Collaborative Participation in Inclusive Service Models OR 023113 Practicum 3: Promoting Student-centred Learning) AND (023151 Professional Experience 1: Beginning Teaching Issues in the Primary School OR 023111 Practicum 1: Beginning Teaching) AND (023152 Professional Experience 2: Developing Classroom Management OR 023112 Practicum 2: Developing Classroom Management) AND (023153 Professional Experience 3: Assessment and Evaluating in Education OR 023116 Practicum 6: Assessing and Evaluating in Education) AND (023154 Professional Experience 4: Designing Educational Programs OR 023115 Practicum 5: Designing Educational Programs) AND (023155 Professional Experience 5: Teaching Students with Special Educational Needs OR 023881 Special Education Professional Experience 1: Assesment, Programming and Evaluation OR 023831 Special Education Practicum 1: Assessment, Programming and Evaluation OR 023114 Practicum 4: Managing Learning Difficulties OR 012235 Professional Experience 5: Teaching Students with Special Educational Needs)

This subject is structured so students reflect on teaching practices; analyse the school as a workplace; examine, test and evaluate their theories of teaching and learning; explore educational problems; and critically evaluate methodologies to solve educational problems. The field experience component of this subject occurs in a regular primary school. The placement articulates with Professional Experience 8, which is intended to occur in the same setting. The field experience has both distributed and block elements.

023158 Professional Experience 8: Analysing Current Issues in Australian Education

6cp; availability: not offered to exchange and study abroad students
Requisite(s): (023154 Professional Experience 4: Designing Educational Programs OR 023115 Practicum 5: Designing Educational Programs) AND (023155 Professional Experience 5: Teaching Students with Special Educational Needs OR 023114 Practicum 4: Managing Learning Difficulties OR 023881 Special Education Professional Experience 1: Assesment, Programming and Evaluation OR 023831 Special Education Practicum 1: Assessment, Programming and Evaluation OR 012235 Professional Experience 5: Teaching Students with Special Educational Needs) AND (023156 Professional Experience 6: Promoting Student Centred Learning OR 023113 Practicum 3: Promoting Student-centred Learning OR 023882 Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models OR 023832 Special Education Practicum 2: Collaborative Participation in Inclusive Service Models) AND (023157 Professional Experience 7: Reflection on Educational Practice OR 023117 Practicum 7: Reflecting on Educational Practice) AND (023151 Professional Experience 1: Beginning Teaching Issues in the Primary School OR 023111 Practicum 1: Beginning Teaching) AND (023152 Professional Experience 2: Developing Classroom Management OR 023112 Practicum 2: Developing Classroom Management) AND (023153 Professional Experience 3: Assessment and Evaluating in Education OR 023116 Practicum 6: Assessing and Evaluating in Education)
Undergraduate

This final-semester subject is designed to help students draw together their teacher preparation experiences as they engage with a number of major professional issues. Issues examined reflect current trends and demands affecting teaching, learning and schooling in Australia, enabling students to critically analyse these and develop an appropriate and well-supported response that guides their future professional practice. Students' engagement in their professional experience program is continued during this semester and culminates in the associate teacher program. The field experience component of this subject occurs in a regular primary school. The placement articulates with the prerequisite subject, which is intended to occur in the same setting. The field experience has both distributed and block elements.

023412 Education Study 2: Value

6cp; availability: exchange and study abroad students with faculty approval

Further information on this subject is available from UTS: Education.

023505 Educational Research

6cp
Undergraduate

This subject aims to develop students' understanding of research through their active participation in it. With the support of the lecturer, students undertake a sustained research investigation of a particular avenue of interest to them, within a broad and fruitful research focus of relevance to the class community. In addition to developing students' appreciation of research by doing it, the subject deepens their understanding of the broad spectrum of educational research paradigms. This subject is designed both as an essential preparation for the Bachelor of Education (Honours) course and as an elective for third-year Bachelor of Education students.

023612 Social Context of Childhood Stress

6cp

For further details, contact UTS: Education.

023625 Research Seminar

6cp
Undergraduate

This is an advanced research subject which explores the ranges of paradigms, methods, and procedures appropriate for disciplinary and interdisciplinary-based research investigations. Both quantitative and

qualitative methods are analysed, particularly as they relate to the student's thesis work. Focus is on critically evaluating research from a range of perspectives and developing an appropriate methodological approach for the student's thesis.

023634 Honours Thesis 1

12cp

In this subject students discuss and develop understandings and confidence to design and begin to implement a research study investigating an educational research question. Students develop their literature and methodology and undertake data collection and analysis. The subject culminates in 023635 Honours Thesis 2 with the submission of an honours thesis.

023635 Honours Thesis 2

12cp

In this subject students continue work started in Honours Thesis 1. They design and implement a research study investigating an educational research question. Students finalise their literature and methodology and undertake data collection and analysis. Writing of the thesis is an important component of this subjects. The subject culminates with the submission of the honours thesis.

023821 Special Education 1: Managing Challenging Behaviours

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject develops an understanding of the theoretical approaches to programming for students who have challenging behaviour. It also explores the ways in which these approaches have been researched. It examines the criteria for selecting different preventive and management approaches. Participants are given the opportunity to discuss concepts raised in the lecture/workshop sessions, from the perspectives of their experiences in the practicum.

023822 Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling

6cp; block; availability: not offered to exchange and study abroad students
Undergraduate

This subject examines the teaching of early reading and spelling to students who fail to learn from normal instructional techniques. Participants analyse and evaluate research on reading and spelling acquisition, apply the findings to the instructional needs of students, and examine and evaluate diagnostic and assessment tools both formal and informal in reading and spelling.

023823 Special Education 3: Educating Students who have Difficulties with Written Text

6cp; availability: not offered to exchange and study abroad students
Undergraduate

This subject examines ways in which teachers can support and assist students who have difficulty in understanding their school texts and school writing tasks. Strategies for increasing comprehension, and their applicability to classroom situations, are investigated. The effectiveness of various approaches to facilitating writing is evaluated and attention is given to primary school reading and writing, with an emphasis on non-fiction content areas.

023824 Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities

6cp; availability: not offered to exchange and study abroad students
Undergraduate

In this subject participants critically examine key issues, research and approaches in numeracy instruction for students with learning difficulties and a range of disabilities. They are provided with information and experiences which assists them to determine and utilise appropriate assessment tools and develop programs based on the assessment results. Participants examine adaptation of mainstream mathematics curricula and functional numeracy based on individualised ecological inventories. The role of language in numeracy instruction is also examined, and appropriate and motivating activities and teaching strategies to assist students to effectively learn are investigated in detail.

023825 Special Education 5: Educating Students with Moderate and High Support Needs

6cp
Undergraduate

In this subject, participants critically examine key issues and approaches in the education of people with moderate and high support needs. The evaluation of curriculum models and assessment tools appropriate for students with moderate and high support needs is a component of this subject. Use of assessment data to develop individual education programs to meet students' needs across a range of curricula domains is examined. This subject also involves examination of a variety of transition processes that persons with high support needs may be involved in throughout their lives.

023826 Special Education 6: Educating Students with Delayed or Disordered Communication

6cp
Undergraduate

In this subject, students acquire an understanding of communication delays and deficits in the context of current theories of language acquisition in oral and non-oral forms; evaluate the validity, reliability and educational usefulness of commonly used methods of assessment; consider the issues and procedures involved in the choice of a communication system; and identify effective facilitation methods for both oral and non-oral communication in a wide range of contexts.

023881 Special Education Professional Experience 1: Assesment, Programming and Evaluation

6cp
Requisite(s): (023151 Professional Experience 1: Beginning Teaching Issues in the Primary School OR 023111 Practicum 1: Beginning Teaching) AND (023152 Professional Experience 2: Developing Classroom Management OR 023112 Practicum 2: Developing Classroom Management)) AND ((023153 Professional Experience 3: Assessment and Evaluating in Education AND 023154 Professional Experience 4: Designing Educational Programs) OR (023113 Practicum 3: Promoting Student-centred Learning AND 023114 Practicum 4: Managing Learning Difficulties)

The subject description is available from UTS: Education.

023882 Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models

6cp
Requisite(s): (023151 Professional Experience 1: Beginning Teaching Issues in the Primary School OR 023111 Practicum 1: Beginning Teaching) AND (023152 Professional Experience 2: Developing Classroom Management OR 023112 Practicum 2: Developing Classroom Management) AND (023881 Special Education Professional Experience 1: Assesment, Programming and Evaluation OR 023831 Special Education Practicum 1: Assessment, Programming and Evaluation)) AND ((023153 Professional Experience 3: Assessment and Evaluating in Education AND 023154 Professional Experience 4: Designing Educational Programs) OR (023114 Practicum 4: Managing Learning Difficulties AND 023113 Practicum 3: Promoting Student-centred Learning)

For further details, contact UTS: Education.

023999 Research Literacies

9cp
Postgraduate

This subject enables students to become competent, sophisticated readers of research by examining the conventions and assumptions within the different research traditions. The subject is designed to enable students to engage in collaborative appraisal of recent research studies as well as to individually analyse and evaluate a study pertinent to the student's field of practice.

024213 English Education 3

6cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 024211 English Education 1 OR 024212 English Education 2
Undergraduate

This subject develops an understanding of the implications of a multicultural society for TESOL teaching; examines the sociocultural basis of language and the implications for language methodologies; explores appropriate language pedagogy relevant to the field of TESOL; examines ways of promoting a positive learning environment for the language development of the bilingual / multilingual student; examines assessment techniques for spoken and written language; examines the effectiveness of a language teaching program within the school context; and explores language for learning across the key learning areas.

024411 English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare

6cp; 3hpw
Undergraduate

This one-semester subject introduces the concept of literature as a continuum which includes the fairy tales of the Brothers Grimm and the novels of the Bronte sisters, the children's stories of Maurice Sendak and the plays of William Shakespeare. It develops and encourages theoretical understandings of literary concepts, of narrative, and of narrative and character patterns and archetypes. A wide range of children's books and other literary texts is studied, with particular reference to the prescribed texts. Students are expected to develop and demonstrate an understanding of a range of literary concepts and research skills in the fields of literature and literary theory.

024412 English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject introduces a broad study of Australian literature within a context of the literature of place. There are considerations of such concepts as Australia as an alien place, as the place of 'exiles at home'; the bush mystique and the dream of paradise; Aboriginal and multicultural Australia; literary representations of the Australian male ('mates' and the 'dinkum Aussie') and female (a crisis of identity for 'the drover's wife'); mindscape and landscape; and the notion of a 'subjective Australia'. Prose, poetry and drama are studied. A wide range of material is discussed, but there is particular reference to the selected texts. Students are expected to develop and demonstrate an understanding of a range of literary concepts and research skills in the fields of literature and literary theory.

024413 English Study 3: The Literature of Protest

6cp; 3hpw
Undergraduate

This one-semester subject introduces considerations of literature not just as art but as agency. The voices of writers have not only changed old worlds, they have shaped new worlds. This course focuses on such changes. Texts as diverse as Hard Times (Dickens) and One Flew over the Cuckoo's Nest (Kesey) are studied, as are the Romantic poets, T. S. Eliot, George Orwell and Aleksandr Solzhenitsyn. Two Shakespearian plays are also studied within a framework of Elizabethan concepts of world order. A wide range of material is discussed, but there is particular reference to the selected texts. Students are expected to develop and demonstrate an understanding of a range of literary concepts and research skills in the fields of literature and literary theory.

024414 English Study 4: Cultural and Textual Cross-currents

6cp
Undergraduate

This subject focuses on two different types of appropriation. First, it studies the appropriation of English by the indigenous populations of post-colonial countries, as the chosen language of their unique cultural voice. Secondly, it studies the appropriation of texts of the literary 'canon' by moviemakers as they 'take over' and rewrite literature texts for the screen. Several texts are studied and comparisons are made between the original texts and cinematic versions of, for example, Shakespeare's plays and the novels of Jane Austen. How these different versions reflect on the original is explored. A wide range of material is discussed, but there is particular reference to the selected texts. Students are expected to develop and demonstrate an understanding of a range of literary concepts and research skills in the fields of literature and literary theory.

024421 Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing

6cp; 2hpw
Undergraduate

This subject introduces knowledge and understanding of drama in an historical and cultural context with a focus on its practical and multidisciplinary nature and includes the study of the roles of a production process, as well as scriptwriting and adaptation. Emphasis is given to scriptwriting, story adaptation, and play building productions for young people.

024422 Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children

6cp; 3hpw
Undergraduate

This one-semester subject introduces the student to the acting techniques and skills required to perform for children at different stages of development – developing imagination, audibility, voice production, concentration and an awareness of the skills involved in interpreting a role and developing a character.

024423 Children's Theatre and Creative Arts Study 3: Production and Direction

6cp; 3hpw; availability: exchange and study abroad students with faculty approval
Undergraduate

This one-semester subject develops understanding about the roles of the producer and the director in the performance process. Other creative arts skills are also developed as students explore the use of lighting, scenery and costuming for performance. A cross-discipline approach is utilised and the notion of theatre as collaboration is highlighted.

024424 Children's Theatre and Creative Arts 4: Staging Performances

6cp
Undergraduate

This subject focuses on working towards and presenting a performance for children. The performance may include the multidisciplinary skills of dance and music and partially involves the children in the performance so that they are able to have a total theatre experience. The performance brings together the students' acting skills, knowledge of theatre forms and expertise in stage management, lighting, scenery and costuming.

024705 Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject develops advanced understanding of children's literature texts and of creative and innovative ways to present these texts in a classroom. It explores the historical sources of children's literature, and makes special reference to the development of Australian children's literature. A wide range of material is discussed, but there is particular reference to the selected texts. Students are expected to develop and demonstrate an understanding of a range of literary concepts and research skills in the fields of literature and literary theory.

024713 Teaching English to International Students

6cp
Undergraduate

This subject develops students' understanding of the learning of a second language. It examines a range of practices for teaching English to speakers of other languages and raises awareness of cultural and linguistic diversity. This subject is compulsory for all students undertaking an international practicum program. In Autumn semester, the subject is offered only to students accepted into an

Access conditions are available in the individual subject descriptions in the online handbook.

international practicum program in Thailand, China or Samoa. In Spring semester, the subject is available to any students with an interest in teaching English to international students. It is assessed on a pass/fail basis.

026411 Music Study 1

6cp
Undergraduate

This subject comprises aural musicianship in the areas of melodic dictation, rhythmic dictation, chord identification and playing back melodies on keyboard; an overview of western music; the use of information technology in music; and selecting choral music, performing in a choir and conducting a choir.

026412 Music Study 2

6cp
Undergraduate

This subject comprises aural musicianship in the area of sight singing; focusing on renaissance and baroque music; arranging music for small ensembles using computer software; and developing music lessons for the primary school.

026702 Music and Society

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject develops an awareness that music is both a reflection and a product of the society from which it comes. Music genres and traditions from a variety of musical cultures are studied. Music technology is used to create compositions in the style of each culture. Dances, songs and instrumental ensemble works are also explored.

027411 PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support

6cp
Undergraduate

This subject is designed to provide students with an opportunity to consolidate their learning about integrating PDHPE and its relation to school sport. It focuses on school students' health and physical activity needs and developing their knowledge and movement skills. It also considers safety implications for teaching.

027412 Personal Development Health and Physical Education: Teachers and Physical Activity

6cp; availability: exchange and study abroad students with faculty approval
Undergraduate

This subject is designed to elaborate school students' physical activity needs and fundamental movement skills. It is geared towards developing best practice for lifelong learning about the health habits of physical activity. Special emphasis is given to fitness principles, games skills, competitions and carnivals.

028222 Society, Science, Technology and the Environment

6cp
Undergraduate

This subject studies how science, technology, environment and society interact and dynamically influence each other in ways that impact upon our past, present and future. To understand many events, experiences, problems and issues in our world we need to draw on a range of disciplines. This subject uses themes and issues to explore key ideas relevant to science, technology, society and environment. These are integrated with practical, creative and cultural contexts as students research theories and perspectives that contribute to our understanding of learning and teaching in authentic contexts. This subject addresses teaching and learning through integration of the human society and its environment and the science and technology syllabuses.

028412 Science and Technology Study 2: Science and Technology in Daily Life

6cp; 3hpw
Undergraduate

This subject is designed to provide students with a sound knowledge base from which to draw, as well as a working understanding of the processes and skills of science and technology. It looks specifically at the workings of everyday items and processes, and emphasises Australian scientific endeavour. The emphasis is on broadening and extending understanding in science and technology through an integrated approach which removes disciplinary boundaries.

028413 Science and Technology Study 3: Issues in Science, Technology and Society

6cp; 3hpw
Undergraduate

This subject aims to develop ideas about the nature of science and technology and its impact on society. Students investigate issues embedded in a range of contexts – social, cultural, political, historical and economic. Ethical considerations are raised in order to present a reasoned and informed understanding of the issues. Students acquire knowledge and appreciation of the contribution made to the field of science and technology in Australia and in other cultures. A range of indigenous and appropriate technologies is also studied. Students have opportunities to investigate areas of personal interest as part of the assessment criteria. As prospective primary teachers, students are able to select appropriate strategies for the students in their care based on an informed understanding of issues relating to science, technology and society.

028414 Science and Technology Study 4: Planet Earth

6cp
Undergraduate

This subject develops an overall view of the structure and systems of planet Earth incorporating information gained from all science disciplines. Students study interrelationships between biological and physical systems, a range of environments with particular emphasis on the Australian environment and investigate global issues relating to responsible environmental management. Students have opportunities to investigate areas of personal interest as part of the assessment criteria. As prospective primary teachers, students are able to select appropriate strategies for the students in their care based on an informed understanding of issues relating to this planet.

029410 International Study

24cp
Undergraduate

This subject is designed to enhance students' cultural awareness and understanding through first-hand experience of living and studying in a non-English-speaking culture. It provides students with the opportunity to spend one semester at an overseas university studying the language and culture of the host country and participating in education subjects which are taught in the English language. Students visit schools in the host country, as well as undertake excursions to places of cultural and historical significance. The number of places available in this subject is determined by the number of overseas students wishing to spend an equivalent semester on exchange studying at UTS. If there are more applications for the International major than there are places available, a ballot is held to allocate places. Students undertaking the international major are responsible for meeting their own travel and living expenses for the semester abroad. Normal HECS arrangements apply but there are no extra tuition fees. Host institutions include Jonkoping University in Sweden and Haagse Hoogeschool in the Netherlands. The international major takes place in semester 5 of the Bachelor of Education program.

11204 Integrated Services

6cp
Undergraduate

This subject aims to develop students' understanding of how energy, air, water, people and goods move through the built environment. Students are equipped with the ability to integrate the designs of systems into architectural projects to enhance performance and adaptability. The subject covers the fundamentals of power infrastructure and electrical services, water infrastructure and hydraulics, air quality and HVAC systems, fire services engineering, urban transport infrastructure, and building vertical transport. Multidisciplinary teamwork and strategies for integrating engineering systems in building and architectural projects are also discussed.

Typical availability

Spring semester, City campus

11205 Architecture Culture and Environment

6cp
Undergraduate

This subject is a foundational introduction to the ways in which architecture is influenced by both culture and environment. It is designed to synthesise and combine an introductory level of architectural history and theory with a variety of cultural and environmental concepts, and to critically examine boundaries between these by highlighting shifts, differences and commonalities. The subject focuses on how cultural and environmental values influence environmental, social and cultural developments in architecture. It also addresses value systems and ethical positions as they relate to and influence ecological impact and environmental design.

Typical availability

Autumn semester, City campus

11206 Introduction to Construction and Structural Synthesis

6cp
Undergraduate

This subject consists of an introduction to the principles involved in the integration of structure, construction, and material performance in architecture. This is undertaken by studying and analysing historical and contemporary precedents, where the performance of materials and their contribution to the stability and structural integrity of elements and systems design within the built object are clearly demonstrated. Students are further expected to demonstrate these principles by integrating the knowledge gained of materials, structure and building fabric in project-based design exercises, primarily involving single cell buildings.

Typical availability

Spring semester, City campus

11207 Architectural Design and Construction

6cp
Undergraduate

This subject introduces students to principles and techniques of architectural detailing. Students learn how to represent construction materials, building components and the connections between them in orthographic drawings and physical models and begin to develop the ability to produce technically proficient details of assembly. Students develop an understanding of architectural detailing as an extension of the design process and develop an appreciation of the significance of architectural detailing to the formal aesthetics of architecture.

Typical availability

Autumn semester, City campus

11208 Architectural Design: Architectural Communications 2

6cp
Undergraduate

The ability to develop and give an account of any architectural proposition relies on the thoughtful and strategic deployment of a range of representational types. This subject aims to develop the necessary knowledge and skills required in the production of these forms of representation together with the capacity to align their usage to appropriate communicative applications. Consequently, the subject introduces students to a range of techniques aimed at developing an understanding of representation as a formally generative, illustrative, observational and analytical tool. The subject also focuses on compositional issues concerned with the assemblage of images and, where appropriate, text. Students explore the use of these representation modes, in both two- and three-dimensional forms, through a range of manual and digital tools. This subject is a corequisite to the first-year, second semester design subject and together they are to be understood as integrated subjects. As such, content and assessment tasks are aligned, though not necessarily identical to design.

Typical availability

Spring semester, City campus

11209 Architectural Design: Making

6cp
Undergraduate

This subject introduces students to the design potentials of diverse structural, material and organisational approaches in architecture. A constraint-based process is used to inform a series of both two-dimensional and three-dimensional exercises. Relationships between structure, materiality and performance in existing buildings are analysed and explored for new design potentials and formal outcomes. Fabrication techniques and representational processes are investigated at varying scales with an emphasis on making a wide range of material practices.

Typical availability

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/XumYfFSu_-I
- Academic video: www.youtu.be/VMBhqEOvimk

11211 Architectural Design: Forming

6cp
Undergraduate

This subject is the introductory studio in the Bachelor of Design in Architecture studio sequence. The subject provides the framework to learn essential techniques for the production of spaces as well as important strategies in critical and analytical thinking. Students gain an understanding of the design process; develop an understanding of our relationships to space, form, sequence and the environment; undergo rigorous research and analysis; and develop strategies for translating concepts into spatial solutions. The subject introduces students to diverse sources of architectural concepts, methodologies, principles and skills that comprise a common knowledge base critical to the practice of architecture, including those found in the history of architecture and from outside of architecture, for example, in nature, mathematics, the human body, the landscape and the environment. These sources are considered in terms of their formal appearance, performance in different conditions, cultural and historical associations, and potential for inventive development and transformation. Students are introduced to two- and three-dimensional thinking and exploration, composition and representation. Processes for the development of initial formal proposals for site and program-specific conditions are explored through orthographic drawing, three-dimensional modelling using appropriate software, sketches and scale models.

Typical availability

Autumn semester, City campus

11212 Architectural History and Theory: Orientations

6cp
Undergraduate

The subject introduces key themes in history and theory framed in terms of architectural examples from antiquity until the beginning of the nineteenth century. Themes may include ideas of architectural origins; theories and applications of geometry, composition, proportion and order; relations between antiquity and subsequent architectural developments; the development and use of different forms of representation, including perspective; the architect as historical figure; the role and influence of architectural treatises; impacts of developments in scientific thinking; ideas that underpin the writing of architectural history; the historical development of architectural theory; and cultural encounters between East and West and their impact on architecture.

Typical availability

Autumn semester, City campus

11214 Architectural Design: Architectural Communications

6cp
Undergraduate

Students of architecture must acquire a set of skills that enable clear communication of architectural ideas. This subject has been designed to equip students with a range of basic tools that enable dissemination

Access conditions are available in the individual subject descriptions in the online handbook.

of their architectural thinking and propositions. It comprises four components:

- technical illustration — an introduction to a variety of architectural projections and rendering techniques
- freehand illustrations — students of architecture require a level of competency and ease in the production of quick, freehand sketches. Different techniques are covered in this component, delivered through a series of freehand drawing classes
- architectural computing — the use of the computer is studied in this component as a tool to aid communication of design thinking
- architectural model-making — introduces students to elementary physical model-making as a tool to aid design thinking and communication. Various techniques from the quick card study model to the professional presentation model are reviewed.

Typical availability

Autumn semester, City campus

11216 Architectural History and Theory: Modernity and Modernism

6cp
Undergraduate

The subject considers the relationship between the diverse practices of modernism in art and architecture, and theories of modernity as they bear upon and are challenged by these practices. The subject develops students' ability to read and understand key case studies from the nineteenth into the first half of the twentieth century. Themes considered may include industrialisation, impacts of technology, the modern concept of space, debates about style and ornament, ideas and practices of avant-gardism, utopianism and revolution, new social formations, abstraction, hygiene, and geo-politics, particularly the reception of modernism in Europe, North America and Australia.

Typical availability

Spring semester, City campus

11221 Architectural Design: Strategy

6cp
Requisite(s): 11211 Architectural Design: Forming AND 11215 Architectural Design: Making
Undergraduate

The strategic organisation of spaces to satisfy experiential ambitions, proposed use and urban context is the focus of this subject. Issues of horizontal and vertical circulation and movement, sequence, hierarchy and proximity are developed through section and plan drawings and models. Aspects of privacy, enclosure, permeability, sequence and transparency in regard to individual spaces within the organisation of spaces are considered.

Techniques for conveying and designing the experience of occupying and moving through space, as well as the temporal uses of different spaces, are developed. These may include diagrams, animated fly-throughs and sketches. Design is explored as an iterative process through these techniques.

Typical availability

Autumn semester, City campus

11222 Architectural History and Theory: Critique

6cp
Undergraduate

This subject focuses on the rise of architectural theory after 1965 as a particular discipline with its own debates and forums of exchange. The subject builds on the previous history and theory subjects by considering how modernism has become the subject of critique. It also considers architecture in relation to wider strands of thinking that critique the practices and products of culture. Themes addressed may include criticism and critical thinking, disciplinarity, the nature and role of theory, the concept of position, postmodernity, deconstruction and literary theory, theories of the image and affect, gender and power relations, race, subjectivity, architecture and fashion, architecture and art, experimental architecture, architecture as critical object, ideology, politics and power, discourse, and framing.

Typical availability

Spring semester, City campus

11225 Thermal Design and Environmental Control

6cp
Undergraduate

The subject aims to further develop students' understanding of thermal comfort, building thermodynamics and natural ventilation, and provides an introduction to the principles of daylighting and sound control. The subject encompasses the basic principles, design strategies, as well as qualitative and quantitative evaluative methods and analytical techniques for environmental control. It seeks to equip students with the ability to apply their learning in the technical and design aspects of thermal and environmental control in the design of domestic scale architecture.

Typical availability

Spring semester, City campus

11227 Architectural Design: Performance

6cp
Requisite(s): (11211 Architectural Design: Forming AND (11215 Architectural Design: Making OR 11209 Architectural Design: Making))
Undergraduate

This subject introduces students to the concepts of building and architectural performance. Recognising that architectural projects are mediators of environmental variables, as well as contributors to environmental change, it asks students to examine the consequences of this in design. Students consider both qualitative and quantitative methods for assessing the environmental and social performance of architecture. Along with the techniques for using energy and material resources efficiently, the subject also considers other aspects of performance that might be addressed through concepts of interactivity, responsiveness and experiential design.

Typical availability

Spring semester, City campus

11231 Architectural Design: Field

6cp
Requisite(s): 11211 Architectural Design: Forming AND 11215 Architectural Design: Making AND 11221 Architectural Design: Strategy AND 11224 Architectural Design: Performance
Undergraduate

This subject considers architecture as an intervention within the broader field of an urban or other landscape. Beyond the design of an object, the subject is concerned with relationships between buildings, and between buildings and the infrastructure and landscapes in which they are situated. At the same time, the subject asks students to account for the many competing interests in the design of any public or commercial building or space and to understand the field of negotiation in which the architect makes architectural proposals. Questions of architectural form making are raised in relationship to the interplay of representation and identity, the programmatic and structural organisation of buildings and their location within the urban field.

Typical availability

Autumn semester, City campus

11232 Lighting, Acoustics and Advanced Environmental Control

6cp
Requisite(s): 11225 Thermal Design and Environmental Control
Undergraduate

The subject aims to deepen students' understanding of the principles of lighting acoustics and environmental control in the context of medium rise and complex architecture and seeks to equip students with the ability to design and modify the building fabric through analysis and evaluation to enhance the environmental performance of designed spaces. It encompasses advanced daylighting systems and the integration of electrical lighting, strategies for noise management, room acoustics, hybrid ventilation and mixed mode systems as well as an introduction to alternate and sustainable building energy systems. Qualitative and quantitative evaluative and analytical processes that inform such design decisions are explored in this subject.

Typical availability

Autumn semester, City campus

11233 Advanced Architectural Construction

6cp
Requisite(s): (11226 Architectural Design and Construction OR 11207 Architectural Design and Construction) AND (11217 Introduction to Construction and Structural Synthesis OR 11206 Introduction to Construction and Structural Synthesis)
Undergraduate

This subject takes the form of a series of case studies demonstrating how the implementation of highly-integrated architectural spatial strategies, specific construction methods and material systems give rise to outstanding architectural outcomes of various scales. The subject argues that any notion of 'advanced' can only be attained through the conceptual and practical frameworks of deep-level integrated practice. The knowledge, methodologies and analytical tools developed during the initial exercises deeply inform the studio design project.

Typical availability

Autumn semester, City campus

11234 Architectural Design: Integration

6cp
Requisite(s): 11211 Architectural Design: Forming AND 11215 Architectural Design: Making AND 11221 Architectural Design: Strategy AND 11224 Architectural Design: Performance
Undergraduate

This subject develops skills in the integration of diverse aspects of building towards more resolved and coherent design proposals. The integration of, for example, construction and material choices, building performance, building services, planning, formal expression and urban context area developed. Techniques for development clear design strategies in response to complex briefs and ambitions are explored, including the use of diagrams, overlays and the presentation of alternatives. Through successive design iterations students learn the ability to control, test and manipulate heterogeneous and competing design parameters. The relevancy and clarity of the process of design development is considered as an integral part of the final outcome.

Typical availability

Spring semester, City campus

11235 Architecture and Urban Projects

6cp
Requisite(s): 11215 Architectural Design: Making AND 11211 Architectural Design: Forming AND 11214 Architectural Design: Architectural Communications
Undergraduate

This subject is an introduction to the architecture of urban spaces, key civic buildings, the influence of topography, environmental and landscape themes, and the role of particular housing types in forming the city. It includes a survey of city plans across time and across cultures as well as an introduction to histories, theories and critiques of urban design, urban projects and urban architecture.

Typical availability

Spring semester, City campus

11247 Architectural History and Theory: Current Events and Debates

6cp
Undergraduate

This subject examines contemporary debates through which the present day condition of architecture is examined, explored and constantly re-construed within a greatly expanded field. To assist a more profound understanding of the issues involved, it embeds these discussions within an extended historical and theoretical context. In this, it partly relies on the basic historical and theoretical knowledge presented in previous subjects.

The subject is intended as preparation for entry into research-related subjects in the context of the Master of Architecture program and, more generally, for academic writing and investigation-led practice. It introduces students to basic research methodologies, scholarly writing and the organisation of related visual material. It results in the production of a short paper and its presentation at a final student symposium.

It is structured around a number of topics introduced through lectures. Each topic forms the focus of a seminar group that engages students in debating the topic and critiquing their own work as well as that of others. Seminar group tutors support and direct students in their investigations.

Typical availability

Spring semester, City campus

11248 Architectural History and Theory: Urbanism and the City

6cp
Undergraduate

The subject considers the development of the city in the context of modernity and modernisation. The subject builds on knowledge gained from previous history and theory subjects, and extends it with an understanding of the range of forces and processes that have shaped cities and their urbanisms. Particular cities are examined in relation to specific themes, which may include industrialisation and urbanisation, colonisation, production, consumption, labour and economic forces, governance, demographic mapping and change, political processes and urban development, theories of urban experience, institutions of public and private life, post- and ex-urbanism, the suburbs, and the city as the site of research and speculation for architecture.

Typical availability

Autumn semester, City campus

11272 Designing with Landscape Elements

6cp
Undergraduate

This elective explores how various landscape elements can contribute to the modification of urban climate. Specifically there is an examination of how these elements may contribute to the lessening of the urban heat island (uhi) effect that is generated by the built environment and its supporting infrastructure. This subject uses case studies to illustrate how, by using various combinations of vegetation and surfaces, these can be used to modify extremes of temperature, wind velocities and contribute to lowering the diurnal range of temperatures while at the same time showing in what ways this approach may be used to lessen the uhi effect and improve the general amenity of urban environments.

Typical availability

Spring semester, City campus

11282 Advanced Building Systems

6cp
Undergraduate

This elective explores the systems and component aspects of architecture and examines how industrialisation, materials and assembly lines have influenced the building professions and materials used in 19th- and 20th-century architecture. The subject examines how the development of new building types during and after the industrial revolution also influenced the evolution of various architectural theories. The subject specifically focuses on the architecture of Paxton's crystal palace, the case study houses, Buckminster Fuller, Team 4, as well as recent projects designed by Foster, Rogers, Piano, Murcutt and the like. There is also an investigation into the way in which the standardisation of components has impacted upon the production of everyday items like bicycles, the Citro'n 2cv and yachts. At the end of the semester students are able to produce detailed, analytical, three-dimensional drawings of a selected contemporary building.

Typical availability

Spring semester, City campus

11283 Access in Large Scale Buildings

6cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

11285 Advanced Modelmaking

6cp
Undergraduate

This subject extends students' basic modelling construction techniques and introduces them to different modelling techniques and media. It examines various ways of using models, across a range of scales, to highlight the model's conceptual, generative and illustrational value as evidenced through the various stages of the design process. Students explore a wide range of additive, reductive and casting modelling techniques, using diverse materials and, where appropriate, extend their existing knowledge of software to incorporate advanced digital fabrication technologies, including milling, rapid prototyping and laser cutting. The definition of model in this subject is broad and the curriculum may include the notion of the model in both its physical and digital forms, however, the emphasis is on the production of physical artefacts. As a consequence, students are expected to develop a material sensibility that demonstrates an understanding of the tactile, visual and structural potentials of any selected materials.

Typical availability

Autumn semester, City campus

11287 Islamic Architecture 630-1700

6cp
Undergraduate

What is Islamic architecture? This elective seeks to answer that question as it visits buildings designed for and by Muslims in Jerusalem, Damascus, Baghdad, Samarra, Cairo, Cordoba, Granada, Istanbul and Isfahan.

11291 Freehand Illustration

6cp
Undergraduate

This subject focuses on practical experience in freehand drawings and presentation. The classes focus on life drawing, experimentation with alternative rendering techniques and, finally, presentation layouts for the design and the rendering of these drawings. The intent is to develop the relationship between what we see and how we graphically present these images.

Typical availability

Spring semester, City campus

11294 Architectural Experience A

6cp
Undergraduate

This subject covers basic architectural experience including office skills, understanding and calculating wages and conditions of employment, planning work, managing correspondence including document transmittals, faxes, phones, emails, information organisation including filing, and performing simple domestic documentation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11295 Architectural Experience B

6cp
Undergraduate

In this subject students individually study basic building construction overall, including vists to building sites, measurements, drafting (CAD or Manual) and perform complex domestic scale and nature documentation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11296 Architectural Experience C

6cp
Undergraduate

This subject is concerned with detailed architectural experience, where students individually process, design and document a specific unique construction detail involving key sections of a specific individual building fabric and structure of a commercial nature and scale.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11297 Architectural Experience D

6cp
Undergraduate

This subject is concerned with complex architectural experience where students organise, manage and document a specific unique built project involving designed responses to client requirements of a commercial scale and nature.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11301 Fine Houses of Europe and America

6cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

11304 House and Housing

6cp

This subject is based around the analysis of the relationship between housing typology and the changing of the city, including the interrelationship between geography, layout, the landscape of public works, subdivision and housing types. It includes a survey of the changes to housing typologies and the city plan across time, analysis of urban and suburban housing types, a review and critique of histories and theories of urban design, urban history and the architecture of the city. It also comprises an introduction to the work of key architects and their contribution to the architecture of the housing and the city.

11305 Architecture Special Topics

6cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Winter session, City campus

11307 Architecture Special Project

6cp

This subject requires students to demonstrate self-directed learning, in the pursuit of a project of their own choice, or one offered by the program. Advice from an academic supervisor assists students to select, refine and complete their particular project. The subject is only available to students who are capable of undertaking independent study, and students intending to take the subject must gain approval and agreement from an academic supervisor, and the program director, prior to enrolment. The number, nature and timing of the assessment items is normally negotiated between the supervisor and the student, and administered via learning contract. This flexible learning approach allows for students to examine an area of special interest in detail, and to independently explore beyond a basic level of understanding of the selected subject matter. Projects may respond to special conditions within the program, the faculty, the community, or contemporary architectural practice. The range of projects is limited only by the capacity of the program and the academic supervisor to provide appropriate support to the student and to facilitate optimum study conditions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

Winter session, City campus

11308 Reading and Writing Architectural Criticism

6cp

This subject examines the theory and practice of architectural criticism, in Australia and internationally. It approaches this broad field in three ways. First, it examines fundamental philosophical questions of what criticism actually is, its role and function (in architecture and other disciplines), and the relationship between criticism and judgement, discernment, and discrimination, amongst other things. Second, the subject approaches architectural criticism as a rhetorical or writerly practice – through analyses of specific texts and the work of exemplary architectural critics, it identifies the different modes of writing employed in different forums and for different audiences, and the different subject positions taken by critics on various issues. In this way the subject also seeks to examine criticism critically – to read 'between the lines' of public criticism and probe the unspoken ideological positions and complicities held by critics, and also by the forums in which their work is disseminated. It notes the ways in which criticism is affected by its mode and method of presentation – in terms of its voice, vocabulary, projected audience, apparent level of objectivity and so on. Finally, the subject approaches architectural criticism in terms of its specific relationship with architectural practice, and questions the role that criticism plays in the profession, the academy, and in architectural culture more generally. In this way it opens a debate on whether architectural criticism does, and indeed whether it should, contribute to better buildings. The subject concentrates particularly on criticism published in architectural journals, but also touches upon the popular press, as well as film and television.

Typical availability

Spring semester, City campus

11309 Architecture, Cinema and Representation

6cp

This subject examines the way in which architecture and 'the architect' have been represented, and to a certain extent constructed, through the cinema. It uses examples from various periods of film history to examine some ways in which architects, architecture as a profession, and architecture (as building) itself, have been perceived, and also stereotyped. Making a critical reading of such cultural 'texts' can reveal much about what society wants to believe about architecture, whilst also demonstrating the (often vast) distance between this romanticised image of the architect, and who architects actually are and what they actually do. Similarly, the ways in which architecture and the city have been represented through film can be critically examined for what they conceal, as much as for what they reveal, about real and ideal conditions in the built environment.

11310 Critical Theory

6cp

This subject looks at the history of critical theory. Starting with the writings of Walter Benjamin, it goes on to examine central texts and topics presented and analsyed by Bloch, Simmel and others. The final part of the course is an engagement with Adorno's aesthetic theory. Central topics in critical theory are analysed in detail, though emphasis is given to those elements directly concerned with design, art, architecture and aesthetics.

11311 Drawing to Diagrams: Topics in Architectural Theory

6cp

This subject presents an overview of central issues within architectural theory. The basic presupposition guiding the subject is that architecture is inextricably bound up with questions of representation. In part, the history of architecture is the history of its 'self-representation'. As such, emphasis is given to the way elements of architecture – line, diagrams, walls, corners, etc. – are articulated within the history of architecture's continual attempt to conceptualise its own practice. Instead of understanding theory as the application of a discourse external to architecture, theory is understood in terms of the issues that arise from the practice of design.

11312 Modern Western Aesthetics

6cp

Modern Western Aesthetics introduces students to the principal aesthetic theories of the last hundred years, with the ultimate expectation that students are able to appreciate not just the principle philosophical bases and cultural ramifications, but also are capable of discriminating between competing aesthetic theories. Special attention is given to the theoretical applications and implications to architecture and design.

11313 Exploring Space 1: from Simple Beginnings to Baudrillard

6cp

Starting from the simple beginnings offered in a number of 'standard' architectural texts, and moving through a selection of different and more challenging readings, this subject explores the subject of space in relation to architecture, examining the variety of meanings and implications that attend the term 'space', investigating how space is constructed, both intellectually and physically, and explicating the effects of space over a range of situations.

A number of different – and often contradictory – perspectives on architectural space are examined; a number of non-architectural investigations of space are considered; and a number of specific issues pertaining to space – including the spatial organisation of society and the idea of 'social space', the commodification of space, post-modern constructs of space, and questions of spatial 'reality' – are explored. The subject concludes with a brief analysis of Baudrillard's ideas on simulacra, and with some 'last words' on space and architecture.

In parallel with the above, and with space as its vehicle, the subject also explores relations between architecture and its theoretical bases, and aims at the continued development in students of skills in reasoning, argument and critical thinking, and the exploration of the ways in which these skills may be applied to the analysis of architecture and design.

11314 Architectural Communications: Dynamic Modelling

6cp; intensive
Elective
Postgraduate

The use of computer animation software is now firmly entrenched within contemporary digital design practice more for its formally generative, rather than illustrative, potential. This potential is linked to the software's unique capacity to parameterize geometric entities derived from b-splines, and so to test form as a product of variable vectors (magnitude and direction) acting over time. The use of animation software differs from modelling software in two significant ways. First, it acts procedurally as the primary site in which to generate form. Second, its use of contemporary geometries provides a strong analogous framework in which to formally embed the effects of variable data sets. Consequently, the designer is able to explore form making within a paradigm of variation and change rather than one based on the appropriation of pure and static platonic form. The subject aims to expose students to the unique design methodologies and techniques that result from this digital design paradigm. Specifically, students develop knowledge and skill in the exploitation of this software type to conceive, manipulate and image complex form.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

July session, City campus

11315 Architectural Communications: Parametric Modelling

6cp
Elective
Postgraduate

Computer modelling software is increasingly influencing the way design professionals think about generating form. The functionality of such software instigates a very specific type of design process that focuses on the manipulation of imported form, be they primitive geometries, appropriated real objects, two-dimensional images or diagrams. This subject enables students to explore the unique architectural design processes opened by these types of softwares. The subject aims to both foster a competency in the usage of modelling softwares and cultivate an understanding of how to exploit this functionality to conceive and image formal outcomes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

July session, City campus

Summer session, City campus

11316 Architectural Communications: Building Information Modelling

6cp
Elective
Postgraduate

The computational capacity of digital technologies has led architects to explore increasingly complex forms and systems. This, in turn, has led to the development of associative parametric design software, which enables designers to concurrently generate and test complex form and relationships while resolving constructional and structural issues to an incredible degree of dimensional accuracy.

Building on a strong foundational base in the use of basic modelling software, this subject aims to introduce students to associative parametric design software, both as an aid to an iterative design process, a method of design exploration and a tool to resolve complex form through the testing and refinement of non-standard architectural systems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

July session, City campus

Summer session, City campus

11318 Architecture Special Project 2

6cp
Requisite(s): 11307 Architecture Special Project

For further details, contact UTS: Design, Architecture and Building.

11361 Special Project (Theory)

6cp

Students explore areas of interest related to the special projects content through a self-directed learning contract or, when offered, intensive studio mode. The areas for study within the special projects are theory, technology, communications, design and a field study with an overseas study visit. This flexible learning approach allows students to further examine these areas of study in greater detail, or to explore another issue relevant to the topic that has an application to their academic and career development. Projects that are offered may respond to special conditions within the community and/or faculty. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students. Enrolment in this subject is granted upon negotiation with the course director and students must demonstrate that they have a viable project, study plan and appropriate academic supervision. It is the responsibility of the head of school to appoint the academic supervisor.

Typical availability

Summer session, City campus

11362 Special Project (Technology)

6cp

Students explore areas of interest related to the special projects content through a self-directed learning contract or, when offered, intensive studio mode. The areas for study within the special projects are theory, technology, communications, design and a field study with an overseas study visit. This flexible learning approach allows students to further examine these areas of study in greater detail, or to explore another issue relevant to the topic that has an application to their academic and career development. Projects that are offered may respond to special conditions within the community and/or faculty. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students. Enrolment in this subject is granted upon negotiation with the course director and students must demonstrate that they have a viable project, study plan and appropriate academic supervision. It is the responsibility of the head of school to appoint the academic supervisor.

Typical availability

Summer session, City campus

11363 Special Project (Communications)

6cp

Students explore areas of interest related to the special projects content through a self-directed learning contract or, when offered, intensive studio mode. The areas for study within the special projects are theory, technology, communications, design and a field study with an overseas study visit. This flexible learning approach allows students to further examine these areas of study in greater detail, or to explore another issue relevant to the topic that has an application to their academic and career development. Projects that are offered may respond to special conditions within the community and/or faculty. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students. Enrolment in this subject is granted upon negotiation with the course director and students must demonstrate that they have a viable project, study plan and appropriate academic supervision. It is the responsibility of the head of school to appoint the academic supervisor.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

Winter session, City campus

11364 Special Project (Design)

6cp

Students explore areas of interest related to the special projects content through a self-directed learning contract or, when offered, intensive studio mode. The areas for study within the special projects are theory, technology, communications, design and a field study with an overseas study visit. This flexible learning approach allows students to further examine these areas of study in greater detail, or to explore another issue relevant to the topic that has an application to their academic and career development. Projects that are offered may respond to special conditions within the community and/or faculty. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students. Enrolment in this subject is granted upon negotiation with the course director and students must demonstrate that they have a viable project, study plan and appropriate academic supervision. It is the responsibility of the head of school to appoint the academic supervisor.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

Winter session, City campus

11365 Special Project (Offshore)

6cp

Students explore areas of interest related to the special projects content through a self-directed learning contract or, when offered, intensive studio mode. The areas for study within the special projects are theory, technology, communications, design and a field study with an overseas study visit. This flexible learning approach allows students to further examine these areas of study in greater detail, or to explore another issue relevant to the topic that has an application to their academic and career development. Projects that are offered may respond to special conditions within the community and/or faculty. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students. Enrolment in this subject is granted upon negotiation with the course director and students must demonstrate that they have a viable project, study plan and appropriate academic supervision. It is the responsibility of the head of school to appoint the academic supervisor.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Winter session, City campus

11391 Research Methods, Information Retrieval and Project Proposal

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

11392 Honours Thesis: Preparatory

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

11393 Honours Thesis

24cp

Requisite(s): 11391 Research Methods, Information Retrieval and Project Proposal AND 11392 Honours Thesis: Preparatory

Further information on this subject is available from UTS: Design, Architecture and Building.

11400 Digital Theory

6cp

Postgraduate

This subject consists of an intensive study of the relationship between architectural theory and the realm of digital creation. It involves a group-based intensive study within a semester and examines specific topics within the theory of digital design. The subject investigates issues including the relationship between the history of drawing and the development of computer-based design schemes, and the question of the relationship between the diagram as a computer generated series of lines and its subsequent connection to forms of material realisation. It also covers a theoretical account of central elements of the design course, namely the relationship between geometry and materials; the relationship between the digital and analogue models; and the conceptualisation of objects and artefacts as a surface condition. The digital has necessitated a rethinking of the terminology central to architecture, e.g. line, plane, surface.

Typical availability

Spring semester, City campus

11401 Digital Master Class A

6cp

Postgraduate

The focus of this subject is an intensive design workshop presented and curated by an invited guest architect. It offers students an opportunity to work with a highly regarded international or Australian practitioner, while examining specific digital design topics. In this subject, students investigate issues such as the relationship between geometry and materials, the relationship between the digital and analogue models, and the conceptualisation of objects and artefacts as a surface condition. Students are given the opportunity to review digital technologies and apply these to the analysis of the guest architect's work.

Typical availability

Spring semester, City campus

11402 Digital Architecture Project A

12cp

Postgraduate

This is a studio-based design subject that aims to critically explore the appropriation of digital techniques and technologies towards the creation of new architectures through design research and exploration. The subject establishes and reinforces the required core skills, and level of professionalism of the digital architecture course for new students, and serves to hone and extend skills for continuing students. Experimentation with computational processes and techniques for software and hardware that afford a new relationship to the built environment is an expectation, as is a level of design of the highest order. Students must demonstrate a high level of proficiency in design and computational techniques in order to pass this subject.

Typical availability

Spring semester, City campus

11403 Digital Master Class B

6cp

Postgraduate

The focus of this subject is an intensive design workshop presented and curated by an invited guest architect. It offers students an opportunity to work with a highly regarded international or Australian practitioner, while examining specific digital design topics. In this subject, students investigate issues such as the relationship between geometry and materials, the relationship between the digital and analogue models, and the conceptualisation of objects and artefacts as a surface condition. Students are given the opportunity to review digital technologies and apply these to the analysis of the guest architect's work.

11404 Digital Architecture Project B

12cp

Postgraduate

This subject aims to critically explore the appropriation of digital techniques and technologies towards the creation of new architectures through design research and exploration. The subject establishes and reinforces the required core skills, and level of professionalism of the digital architecture course for new students, and serves to hone and extend skills for continuing students. Experimentation with computational processes and techniques for software and hardware that afford a new relationship to the built environment is an expectation, as is a level of design of the highest order. Students must demonstrate a high level of proficiency in design and computational techniques in order to pass this subject.

11501 Architectural Practice: Advocacy

6cp

Postgraduate

This subject applies knowledge developed in the field of marketing and business studies to architecture in order to equip students for successful practice. The subject recognises that success in the industry is contingent not only on good design skills but on a range of other skills and services that includes the capacity to clearly articulate architectural ambitions to a range of audiences, and to achieve a public profile through diverse media. The impact of new media and techniques upon architectural practice is analysed and strategies for working with new and emerging media are tested. The subject also uses case studies to support and critically understand marketing theory and practices. Subject areas include entrepreneurship; research and development; strategy and marketing; copyright and moral rights as they apply to design; client and public relationships; new business development; decision-making and leadership; media and publishing; competitions and awards.

Typical availability

Spring semester, City campus

11502 Architectural Practice: Finance and Project Management

6cp

Postgraduate

This subject introduces the financial and project management issues arising out of practice and emphasises the role of negotiation and strategic planning. Financial management of projects is considered from the fee proposal or feasibility study through design development and documentation and to the establishment of contracts and on to the management of the building process. New forms of procurement and contracts are considered, alongside the strategic establishment of alliances with consultants, clients, developers and builders.

Typical availability

Autumn semester, City campus

11503 Architectural Practice: The Profession

6cp

Postgraduate

This subject addresses the role of the architect in history and the present, and explores trends indicative of potential roles and challenges for future architects. The formation of the profession and ideals of professionalism are investigated, as well as the process of professional regulation through registration, the RAIA, the AACA logbook and compulsory continuing education. The relationship between the design professions and the property industry is examined. This subject is also concerned with individual pathways and careers

through employment within the architectural industry and with the management of practice. The subject addresses résumé writing and putting together a portfolio; traditional and emerging models of practice; office management; managing service businesses; personnel planning, recruitment and staff development; built environment leadership, leadership styles, managing teams across disciplines, internal communication; and power and politics in organisations.

Typical availability

Spring semester, City campus

11504 Architectural Practice: The City

6cp
Postgraduate

This subject establishes the theoretical, historical and social context in which cities are contested sites for development and preservation. Regulations governing change to fabric or use are mechanisms for managing competing stakeholders representing economic and social interests. They sit between urban theory and law and give formal expression to broader cultural beliefs about what makes a good city. This subject seeks to examine regulatory systems within the broader, and highly political, context of the city. The ways in which regulatory and political processes reflect ethical and aesthetic positions is addressed, as well as the opportunities and challenges for architects to act ethically within corporate culture. The relationship between the design professions and planning systems and governance bodies is explored through international and local case studies in lectures, tutorials and field studies. The subject specifically addresses urban theory; regional and urban planning issues; planning policies and procedures; infrastructural planning; governance bodies and regulations – local councils, planning departments; managing community conflict; and the micro-economics of the property industry.

Typical availability

Autumn semester, City campus

11512 Architecture Competition Project

6cp; availability: approval from course director required to undertake the subject
Elective
Postgraduate

This subject gives students the opportunity to undertake a current external architectural competition chosen by the subject coordinator for its significance and suitability for design experimentation. The requirements of the competition brief, including all parameters of registration, presentation, content and submission, are to be satisfied while adhering to a collaborative working method that approximates the professional design studio. The working method for architectural competitions used in the subject includes the formation of a team, the identification of strengths and tasks within the team, the formulation of strategic design directions and the generation of ideas and a process for their selection for further development towards a coherent submission. The subject is only available to students who demonstrate the capacity to work at a high level of design performance in a collaborative setting.

Typical availability

Autumn semester

Spring semester

July session

Summer session

11520 Spatial Research

6cp
Postgraduate

This subject aims to extend students' ability to analyse and understand the nature of space, and to develop forms of critical spatial research through the discipline of architecture and urbanism. Information sources from a broad range of fields are read through a range of specific architectural or urban agendas. The subject emphasises the importance of information retrieval, analysis and intellectual engagement with a range of issues pertaining to our understanding of space, and of understanding the nature of research and developing skills in the formulation of research questions that yield forms of spatial knowledge. The subject gives a coherent and directed introduction to the issue of space, and, via its research essay, aims to address the social, cultural, political, intellectual, and contextual issues relating space and an advanced spatial understanding to the contemporary metropolis as a field in which advanced architecture graduate designers are engaged. It also sets out to interrogate the relationship between the capacities of the discipline and the broader environment in which its skills are deployed. In so doing it introduces and develops techniques by which information about and interpretation of cities might be found and critically analysed such that the city is revealed in relation to a range of spatial issues.

Typical availability

Autumn semester, City campus

11521 Digital Theory

6cp
Postgraduate

The digital has necessitated a rethinking of the terminology central to architecture (e.g. line, plane, surface, structure, system,) and this subject equips students with an understanding of the territory of computational design through its theoretical vocabulary and relevant histories.

The subject consists of an intensive study of architectural theory and specific technical developments that have influenced the realm of digital creation in advanced architectural design since the 1950s. This subject investigates the theoretical and technical histories principally concerned with research in intelligence, information and complexity theory, material philosophy, and networks and how these have been translated into advanced digital systems in architectural practice. Other issues that are addressed through the above theme's include the relationship between models or organisation and architectural space, material systems and the engagement with technologies of production, form generation and issues of form generally as a result of digital processes and conceptualisation, and the relationship between developments in the sciences and their import to architecture.

Students read both weekly readings and a series of books over the course of the semester, attend lectures and discuss the readings in seminar mode. Assessment is based on a short written review of a section of the weekly reading material, a short written review of a book and a critical essay.

Typical availability

Spring semester, City campus

11522 Master Class Urban Design

6cp
Postgraduate

This subject offers students an opportunity to work alongside a guest instructor of international standing, who has demonstrated both a high degree of recognised design excellence and a strongly articulated position in research and practice within the field. The subject focuses on an intensive design workshop presented and curated by the invited guest architect, urban designer or theorist. It offers students an opportunity to develop particular skills relevant to the research interests of the guest instructor(s). The subject involves both group based and individual study and is held in seminar and intensive mode examining topics and design responses within the wider area of urban design. Students explore a particular position on an aspect of urban design and develop the tools and understanding to apply a range of design techniques used by the guest instructor to creatively execute a focused design project or study. This subject investigates focused issues and processes of urban design directed towards a short study, prototype or design proposal. The subject also includes software training, research background, reading seminars and / or other tutorial based sessions as necessary, to prepare students for the intensive block teaching weeks.

Typical availability

Spring semester, City campus

11523 Master Class Design Technologies 1

6cp
Postgraduate

This subject offers students an opportunity to work alongside a guest instructor of international standing, who has demonstrated both a high degree of recognised design excellence and a strongly articulated position in research and practice within the field. The subject focuses on an intensive design workshop presented and curated by an invited guest architect, urban designer or theorist. The subject offers students an opportunity to develop particular skills relevant to the research interests of the guest instructor(s).

The subject involves both group based and individual study and is held in seminar and intensive mode examining topics and design

responses within the wider area of design technology. Students explore a particular position on an aspect of design technology, and develop the tools and understanding to apply a range of design techniques used by the guest instructor to creatively execute a focused design project or study. The subject investigates focused issues and processes of urban design directed towards a short study, prototype or design proposal. The subject also includes software training, research background, reading seminars and/or other tutorial based sessions as necessary, to prepare students for the intensive block teaching weeks.

Typical availability

Autumn semester, City campus

11524 Master Class Design Technologies 2

6cp
Postgraduate

This subject offers students an opportunity to work alongside a guest instructor of international standing, who has demonstrated both a high degree of recognised design excellence and a strongly articulated position in research and practice within the field. The subject focuses on an intensive design workshop presented and curated by an invited guest architect, urban designer or theorist. It offers students an opportunity to develop particular skills relevant to the research interests of the guest instructor(s).

The subject involves both group based and individual study and is held in seminar and intensive mode examining topics and design responses within the wider area of design technology. Students explore a particular position on an aspect of design technology, and develop the tools and understanding to apply a range of design techniques used by the guest instructor to creatively execute a focused design project or study. This subject investigates focused issues and processes of urban design directed towards a short study, prototype or design proposal. The subject also includes software training, research background, reading seminars and/or other tutorial based sessions as necessary, to prepare students for the intensive block teaching weeks.

Typical availability

Spring semester, City campus

11525 Demonstration Project

12cp
Postgraduate

This subject concludes the Master of Advanced Architecture degree and is intended as an opportunity to critically respond to the challenges from the course through a negotiated research project. The project is formulated in consultation with external partners and is carried out by teams of students across the architecture degrees. The aim of the subject is to develop and profess a theoretical position, and to demonstrate its consequences through a concrete situation of public significance. Students demonstrate their capacity over the range of skills introduced throughout the degree, and work together in cross-disciplinary teams to defend their design research outcomes in a significant public forum for comment and review.

The research project must consolidate and extend learning in the area of urban design/design technologies and the themes considered throughout the degree. Students are responsible for identifying disciplinary specific research techniques, managing the research process and for publicly demonstrating the outcomes of their research project. Students table their research project brief at the end of the Spring semester, formulate a plan for project management and regular meetings with their advisers over the Summer session, leading toward presentation in the week prior to the commencement of the following Autumn semester.

Students are assessed on the creativity and legitimacy of their response to the negotiated project situation and their capacity to demonstrate the application of their learning to the practice context.

Typical availability

Summer session, City campus

11551 Masters Architectural Design Studio 1

12cp
Postgraduate

This subject aims to further architectural design skills through the integration of a specific research agenda that may be tested through project-based speculations. The research agenda comprises of a particular topic selected from a range of discipline areas including, but not limited to, computation and digital design in architecture and manufacturing, material and construction in architecture, environmental and performance based design in architecture, urban design, and activism and the role of the architect and design within critical cultural discourse. The subject also enhances a critical understanding of architecture as both a discipline with an existing body of knowledge and a set of practices that continuously challenge and add to that body of knowledge. The subject requires the testing of ideas and modes of practice in architectural design, and the production of design proposals that accurately and persuasively convey the most relevant ideas and practices. Masters Architectural Design Studio 1 is the first of four studio subjects required to complete the Master of Architecture degree.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11552 Masters Architectural Design Studio 2

12cp
Postgraduate

This subject aims to further architectural design skills through the integration of a specific research agenda that may be tested through project-based speculations. The research agenda comprises a particular topic selected from a range of discipline areas including, but not limited to, computation and digital design in architecture and manufacturing, material and construction in architecture, environmental and performance based design in architecture, urban design, and activism and the role of the architect and design within critical cultural discourse. The subject also enhances a critical understanding of architecture as both a discipline within an existing body of knowledge and a set of practices that continuously challenge and add to that body of knowledge. The subject requires the testing of ideas and modes of practice in architectural design, and the production of design proposals that accurately and persuasively convey the most relevant ideas and practices. Masters Architectural Design Studio 2 is the second of four studio subjects required to complete the Master of Architecture degree.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11553 Masters Architectural Design Studio 3

12cp
Postgraduate

This subject aims to further architectural design skills through the integration of a specific research agenda that may be tested through project-based speculations. The research agenda comprises a particular topic selected from a range of discipline areas including, but not limited to, computation and digital design in architecture and manufacturing, material and construction in architecture, environmental and performance based design in architecture, urban design, and activism and the role of the architect and design within critical cultural discourse. The subject also enhances a critical understanding of architecture as both a discipline within an existing body of knowledge and a set of practices that continuously challenge and add to that body of knowledge. The subject requires the testing of ideas and modes of practice in architectural design, and the production of design proposals that accurately and persuasively convey the most relevant ideas and practices. Masters Architectural Design Studio 3 is the third of four studio subjects required to complete the Master of Architecture degree.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11554 Masters Architectural Design Studio 4

12cp
Postgraduate

This subject aims to further architectural design skills through the integration of a specific research agenda that may be tested through project-based speculations. The research agenda comprises a particular topic selected from a range of discipline areas including, but not limited to, computation and digital design in architecture and manufacturing, material and construction in architecture, environmental and performance based design in architecture, urban design, and activism and the role of the architect and design within critical cultural discourse. The subject also enhances a critical understanding of architecture as both a discipline with an existing

body of knowledge and a set of practices that continuously challenge and add to that body of knowledge. The subject requires the testing of ideas and modes of practice in architectural design, and the production of design proposals that accurately and persuasively convey the most relevant ideas and practices. Masters Architectural Design Studio 4 is the fourth of four studio subjects required to complete the Master of Architecture degree.

Typical availability

Autumn semester, City campus

Spring semester, City campus

11555 Masters Architectural Design Thesis

12cp

Postgaduate

This subject aims to further architectural design skills through the integration of a specific research agenda of the student's own area of interest that may be tested through project-based speculations under the supervision of an advisory academic. The research agenda is developed by the student as part of a preceding special research project and may include topics such as, but not limited to, computation and digital design in architecture and manufacturing, material and construction in architecture, environmental and performance based design in architecture, urban design, and activism and the role of the architect and design within critical cultural discourse. The subject also develops a critical understanding of architecture as both a discipline with an existing body of knowledge and a set of practices that continuously challenge and add to that body of knowledge. The subject requires the testing of ideas and modes of practice in architectural design, and the production of design proposals that accurately and persuasively convey the most relevant ideas and practices. This subject is the fourth of four studio subjects required to complete the Master of Architecture degree.

Typical availability

Autumn semester, City campus

Spring semester, City campus

12511 Building Technology and Regulation

6cp

Postgraduate

In this subject students undertake a critical examination of building structure, cladding and service systems for a range of building types. The subject covers the following topics: maintenance, life cycle costing and energy efficiency; purpose and application of building regulations; and interpretation of building documentation in the context of property development and management processes.

Typical availability

Spring semester, City campus

12515 Strategic Asset Management

6cp

Postgraduate

A strategic and responsible approach to management of property assets requires the ability to understand and respond to economic and social influences which affect the performance of property through a life cycle which begins with raw land and includes development, management and redevelopment. Marketing and effective property management techniques are examined in this subject as responses to changing economic and social forces in the strategic management of property assets.

Typical availability

Autumn semester, City campus

Spring semester, City campus

12518 Property Transactions

6cp

Postgraduate

This subject looks at the following topics: the nature of the ownership of personal property including intellectual property; the nature of ownership of real property including the related concepts of title, leases, mortgages, conveyancing transactions, and options to purchase; an overview of the law of contract with emphasis on construction industry contracts and joint venture agreements; the law of negligence including liability for negligently given advice or certification, the operation of the statute of limitations; and the manner in which local government building, planning and subdivision approvals are given including the mechanisms for appeal to the Land and Environment Court.

Typical availability

Autumn semester, City campus

Spring semester, City campus

12525 Property Analysis 1

6cp

Postgraduate

In this subject students study general accounting principles; capital budgeting techniques; discounted cash-flow analysis; risk analysis techniques; interest rate theory and discount rates; traditional and contemporary principles and methods of valuation, advanced capitalisation and other valuation methods; valuation of different classes of property; and sources of finance. A basic knowledge of a spreadsheet program such as Microsoft Excel is assumed. Students need to bring a financial calculator to class.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

12535 Development Feasibility and Valuation

6cp

Postgraduate

This subject is designed to foster an understanding of residential property valuation methodology in the context of development site analysis and financial assessment. Students develop a strong theoretical and practical understanding of feasibility studies and how the key decisions relating to property development, financing structures, and financial reporting outcomes are made. This subject analyses the structure and key determinants of financial variables that affect property development projects, provides an understanding of property financing, and examines financial analysis techniques applicable to analysis of property development.

Typical availability

Spring semester, City campus

13905 Thesis (Architecture)

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Spring semester, City campus

13907 PhD Thesis: Architecture

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

14903 Thesis (Building)

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15111 Planning Project Analysis

6cp

Postgraduate

This subject questions the rationale for urban planning and reviewing the need for, and arguments against, regulation. Students are introduced to the form of urban areas and theories of city structure and location as a factor in urban development. Basic frameworks, concepts and tools for analysing and understanding urban problems are investigated, including microeconomics, macroeconomics and urban sociology concepts, in order to develop an elementary comprehension of urban issues. The subject also develops students'

abilities to effectively investigate, analyse and present planning data (written, graphic and oral). Exercises in exploring research methods and data sources for urban planning and management practice include land use and density mapping, data-gathering survey methods, geographic information systems, and skills in using journal and other library resources.

Typical availability

Autumn semester, City campus

15121 Urban Analysis

6cp
Postgraduate

The planning project is centred on a site which is sufficiently large and complex to raise questions of ownership, infrastructure, urban transport, environmental impact, social impact, heritage, regional implications, land use, built form, plan preparation, and development control. The four subjects which make up the project are intended to give students an experiential education in the process of planning, enabling concepts and information from knowledge areas to be integrated at each stage. Students work in groups of between four and eight, emulating planning practice where knowledge and ideas are put into practice, where experience is gained in the techniques and methods of planning, and where the skills of spatial analysis, problem-solving, design, organisation and communication are enhanced.

This first planning project subject requires the analysis of the chosen site, through the documentation of its physical characteristics and its social and environmental context. Students are required to perceive, identify, record, analyse and manipulate patterns and relationships. In addition, they provide a preliminary definition of planning problems, design a project brief and prepare consultancy contracts.

Typical availability

Autumn semester, City campus

15131 Planning Project Visioning

6cp
Postgraduate

This subject explores the management of the physical environment from the perspective of development impact, concentrating particularly upon ecology, hydrology, geomechanics and climate. By examining the management of these physical parameters, students are able to understand the complexity of environmental carrying capacity, evaluate resource risks and comprehend the application of sound principles of ecologically sustainable development in policy and practice scenarios.

Resource management, environmental law and key policy initiatives are investigated in order to build an understanding of how regulatory frameworks are responding to increasing physical pressures. The management of movement is introduced and considered in order to relate development scale and type to transport provision and, conversely, how and why transport constrains development; more generally, the relationship between transport and sustainable forms of development.

Typical availability

Spring semester, City campus

15141 Sustainable Development

6cp
Requisite(s): 15121 Urban Analysis
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This is the second subject in the planning project and requires student groups to produce a vision for the future development of the chosen site, incorporating alternative proposals that respond to some of Sydney's main planning problems. The vision should draw on the assessment of those problems identified in 15121 Planning Project Analysis, and on the siteÕs physical and human site characteristics. The vision should result in a desired kind of place for the site, which may kindle the capacity for positive change. This exercise provides hands-on experience of a key phase of plan-making.

Typical availability

Spring semester, City campus

15142 Property Development Process

6cp
Postgraduate

This subject provides an introduction to the nature of land, property and property markets, with a focus on the different property valuation methods and the property development process. The methods used for property valuations and preparation of valuation reports, cash flow analysis and feasibility studies are covered, with the related concepts and issues found in property development analysis identified. The property development process and issues associated with obtaining a development approval within the planning framework are discussed.

Typical availability

Spring semester, City campus

15143 Group Project A: Urban Renewal

6cp
Requisite(s): 15142c Property Development Process AND 15146c Sustainable Urban Development
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces the practice of planning for large urban redevelopment sites. It involves the development by student groups of a masterplan and associated planning controls for a selected urban renewal site. Approaches to the planning of brownfields and related urban renewal master-planning are outlined. These are supplemented by case studies of urban renewal. Methods of evaluating alternative masterplans are also outlined.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15144 Group Project B: Greenfields Development

6cp
Postgraduate

This subject is a group and project-based subject designed to develop students' skills in planning larger scale urban developments, such as large scale subdivisions or new greenfields developments, involving environmental assessment, design of infrastructure and services, consideration of land use and density controls, etc. Students form into small groups, and develop a masterplan for a larger-scale urban development, including the design and assessment of alternative proposals for the site. Approaches to, and techniques for, the planning of urban expansion are taught including population and household forecasting, constraint mapping, land use zone allocation, urban facilities population thresholds, and street and road layouts.

15145 Development Negotiation

6cp
Postgraduate

This subject develops the communicative skills and understanding needed by planners in managing urban development. It provides an introduction to community participation techniques, negotiation skills and conflict resolution techniques. It develops understanding of the perspectives of developers and other stakeholders in urban development. It introduces the role of ethics in the way planners address development proposals and developer demands.

15146 Sustainable Urban Development

6cp
Postgraduate

This subject provides an introduction to the triple bottom line of environmental, economic and social sustainability in urban development, particularly in relation to ecologically sustainable development. The concepts of eco-footprints and assessment methods for sustainable building and precinct developments are discussed as benchmarks for evaluating sustainability performance. Physical constraints on development including landform, hydrology and ecology are introduced. The causes and urban effects of global warming are analysed. The nature of social and economic sustainability and sustainable urban development are covered, including rating tools for sustainable building and precinct developments, sustainable transport, water sensitive urban design, sustainable energy use, and sustainable practices in national and international case studies. The feasibility of alternative methods for evaluating sustainability strategies is discussed.

Typical availability

Autumn semester, City campus

Spring semester, City Campus

15211 Planning Project Development Assessment

6cp

Requisite(s): 15141 Sustainable Development

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This is the third subject in the planning project and requires student groups to develop at least three land-use options for the site. Each of these options is evaluated on the basis of an analysis of feasibilities, an assessment of impact and an examination of costs and benefits. The aim is to compare and contrast the options and select the most suitable for development, which adequately incorporates elements of the vision developed in the previous stage of the planning project.

Typical availability

Autumn semester, City campus

15221 Urban Design and Management

6cp

Postgraduate

This subject provides a detailed exploration of the principles of the urban design process and best practice in the management of the urban environment. By examining past and present approaches to the management of both the design process and broader urban governance, students are able to gain both a competent perception and the ability to recognise and apply sound principles of urban design and governance. Emphasis is placed on how the form of the public realm responds to social, political, environmental and economic pressures. Particular attention is focused on the promotion and control of urban development and design via regulatory instruments, plans, codes, desired future character statements, policies, etc. The evaluation of development alternatives is considered through cost benefit analysis and the planning balance sheet.

The subject examines changing philosophies of urban management and governance, through the delivery of lectures in political theory and the structures of decision-making and how they have shaped planning and design practice, including the analyses of public participation and community politics.

Typical availability

Autumn semester, City campus

15222 Urban Design

6cp

Postgraduate

This subject provides an introduction to the theory and practice of urban design. It reviews key urban design movements and ideas through to transit-oriented development and new urbanism, and covers the principles of good urban design. It looks at the use of development control plans and other mechanisms to achieve good urban design. It emphasises the actual process of urban design using case studies and practical workshops.

15231 Planning Project Implementation

6cp

Requisite(s): 15211 Planning Project Development Assessment

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This is the fourth and final subject in the planning project and requires student groups to develop a planning solution to allow implementation of the chosen option of the site (selected in 15211 Planning Project Development Assessment). Students are required to produce an appropriate realisation plan, strategy or other 'vehicle' which sets out clear aims, objectives, policies and controls. This vehicle must elaborate the framework for the achievement of the vision and be presented in a professional format with recourse to a high degree of accuracy and legitimacy.

Typical availability

Spring semester, City campus

15241 Urban Economics and Finance

6cp

Postgraduate

The subject presents the basic microeconomic theory underpinning the development of overall urban structures and the operation of land markets within cities, and how this differs from standard models of 'perfect competition' and 'perfect information'. This enables students to appreciate the role of planning in minimising externalities, and in influencing the efficiency of infrastructure such as roads, rail, water supply, waste, power and communications, and social infrastructure including education, health and community services. It also provides an overview of options for financing urban infrastructure, including debt funding backed by taxation, developer contributions, and public-private partnerships. Case studies of alternative methods of funding infrastructure are included to illustrate the key principles involved.

Typical availability

Spring semester, City campus

15251 Spatial Analysis in Planning and Property

6cp

Requisite(s): 15142 Property Development Process AND 15146 Sustainable Urban Development

This subject introduces students to using geographic information systems (GIS) for spatial analysis in property development and planning. Students develop the skills to use standard ArcGIS software to manage and manipulate spatial data, create multidimensional thematic maps, perform simple statistical and other analyses of spatial relationships, and present spatial information in a form relevant to policy, regulatory, and development decisions. The subject introduces demographic, economic, environmental, topographic, and other physical data, and enables students to learn how to use these various data types to solve site analysis, development feasibility, market analysis, master planning, and social and economic planning problems.

15301 Planning Theory and Decision Making

6cp

Requisite(s): 15241 Urban Economics and Finance AND 15142 Property Development Process AND 15146 Sustainable Urban Development AND 17700 Planning and Environmental Law AND 15222 Urban Design

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject studies and analyses contemporary planning theory (including the notions of democracy, power, governance and neo-liberalism) and advanced planning practice. It allows students to observe, perform and reflect on advanced techniques in the broad themes of ecologically sustainable development, community participation and economic development. Lectures explore the application of planning theory and contemporary planning approaches to: urban economic development, including the establishment of state-private sector partnerships and the fostering of industry clusters; collaborative planning, including efforts to empower people from minority cultures such as Indigenous Australians; planning as part of the overall urban management for environmentally and culturally sustainable development, and the operation of institutional frameworks; and planning for urban regeneration and urban consolidation.

Typical availability

Autumn semester, City campus

15302 Major Project: Methods

6cp

Requisite(s): 15143 Group Project A: Urban Renewal AND 15144 Group Project B: Greenfields Development AND 15145 Development Negotiation AND 15241 Urban Economics and Finance

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject, together with 15303 Major Project: Analysis and 15304 Major Project: Outcomes, develops core skills that give students the ability to successfully complete rigorous and original planning problem-solving exercises. In this subject, students produce a literature

review of their chosen planning problem, as the first of three parts of the major project (the other two parts are completed in Major Project: Analysis and Major Project: Outcomes). The literature review both identifies contemporary analyses relating to the problem, and places the problem into the context of wider planning issues. The literature review critiques contemporary planning practice relating to the problem, and thus develops students' ability to constructively reflect on the validity of current planning methods. Students develop an understanding of relevant research approaches and analytical techniques used in problem solving. The subject is undertaken primarily via self-direction, but students are carefully guided by their supervisor and meet on a regular basis for tutorials. The subject also incorporates seminar discussions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15303 Major Project: Analysis

6cp
Requisite(s): 15302 Major Project: Methods
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject, together with 15302 Major Project: Methods and 15304 Major Project: Outcomes, develops core skills that give students the ability to successfully complete rigorous and original planning problem-solving exercises. In this subject, students produce an analysis of the causes and effects of their chosen planning problem, as the second of three parts of the major project (the other two parts are completed in Major Projects: Methods and Major Projects: Outcomes). Students produce a report which identifies the nature of the planning problem, the causes which give rise to this particular problem and the effects of the problem, in terms of the environmental, economic and sociocultural consequences. This allows students to evaluate the extent of the problem and the potential stakeholders involved in addressing the problem, and develops student abilities to reflectively assess the nature, causes and effects of urban planning problems from a holistic perspective that incorporates the physical environment, the economy and society. The subject is undertaken primarily via self-direction, but students are carefully guided by their supervisor and meet on a regular basis for tutorials. Students attend a seminar, where they defend and debate their report findings and their implications for the next stage, the elucidation of practical solutions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15304 Major Project: Outcomes

6cp
Requisite(s): 15303 Major Project: Analysis
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject, together with 15302 Major Project: Methods and 15303 Major Project: Analysis, develops core skills that give students the ability to successfully complete rigorous and original planning problem-solving exercises. In this subject, students produce a report describing a solution to their chosen planning problem, as the third of three parts of the major project (the other two parts are completed in Major Projects: Methods and Major Projects: Analysis). This report is the culmination of the major project. Students consider and interpret their findings from the previous two stages to provide the basis for a solution to the chosen problem. Students then develop and deliver a viable solution(s) to the problem in the form of a comprehensive report. This enhances students' abilities to develop their own considered responses to contemporary planning. The subject is undertaken primarily via self-instruction, but students are carefully guided by their supervisor and meet on a regular basis for tutorials. This provides an opportunity for the identification, presentation and discussion of creative solutions to planning problems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

15311 Managing Complex Projects

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This is a scenario and problem-based subject delivered through an intensive workshop and supported by online learning materials. It integrates and applies knowledge and skills focusing on project integration, including initiation, planning, implementation, delivery and post-implementation review of a project within a changing and ambiguous organisational environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15312 Communication and Critical Thinking

6cp
Requisite(s): 15315c Project Management Principles
Postgraduate

This subject focuses on developing the ability to critically apply a diverse range of communication styles, structures and techniques in a project environment. The subject material is delivered through a series of practical exercises in small teams in the workshop, before culminating in an individual assignment which students use to demonstrate their critical communicative ability. Communication, and the ability to think critically about your own as well others' styles, impacts on project management; this subject helps to develop this vital project management competency.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15313 Project Procurement and Risk Management

6cp
Requisite(s): 15315c Project Management Principles
Postgraduate

This subject provides an understanding of the procurement theory applied to managing a project and the associated risks. The areas of contract law, statutory regulations, legal relationships and negligence are explored. The principles of managing risk on a project are covered through a review of the Australian Standard as it applies to a project environment. Students work in teams on a case study during the workshop and independently on other assessment tasks. This subject will not be offered after 2012.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15314 Project Implementation

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is the in-depth simulated implementation of a project, based on a complex real case study. Students work to deliver the project in teams, reacting to simulated project changes in client demands. This subject focuses on embedding and integrating standard project management capabilities that were introduced in the foundational-level subject. Students work in teams to develop a business case during the block workshop and independently on specific tasks.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15315 Project Management Principles

6cp
Postgraduate

The theory of the nine project management knowledge areas are explored by students when applied to a real-life industry project. Emphasis is given to the project being delivered according to the five project management process groups to demonstrate the students' ability to initiate, plan, implement and deliver a project while monitoring and controlling. Students work in an interactive forum to present the team project and work independently on individual assessment tasks outside the block attendance workshop.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15316 Project Management Knowledge Areas

6cp; full attendance at the block workshop is compulsory
Requisite(s): 15315c Project Management Principles
Postgraduate

This subject explores and develops the key concepts and techniques necessary to understand and practice the core project management competencies of time, cost, risk and quality management. Topics include activity definition and duration estimating, schedule development and control, resource planning, feasibility analysis, cost estimating; budgeting and control, risk identification; analysis and management and quality planning; assurance and control. Project performance management and reporting is examined in relation to these competencies. Students work independently and in small groups on a range of assessment tasks and have the opportunity to attend an introductory Microsoft Project tutorial.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15323 Development Management

6cp
Postgraduate

This subject examines the economic and political framework within which development occurs, the phases of initial project development and the necessary technical tools to carry out a full feasibility study for a development proposal; planning, approval and financing considerations; and strategies to deliver value for money during the development phase.

Typical availability

Spring semester, City campus

15324 Facility Obsolescence

6cp
Postgraduate

This subject examines facility obsolescence, renewal, refurbishment and adaptive re-use; heritage implications and legislative constraints; the importance of change to organisational growth and continuity; effective change management; organisational churn; and future-proofing organisations through flexible space planning and technology provision.

Typical availability

Spring semester, City campus

15325 Negotiation and Conflict Management

6cp; 100% attendance at the block workshop is required
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops students' skills in dispute resolution processes: negotiation and conflict management, mediation and arbitration and their application in dealing with escalation of conflicts in projects. Students work on a series of scenarios in an intensive workshop mode supported by online learning materials and integrate the knowledge gained about various aspects of dispute resolution learnt in a final individual assignment.

Typical availability

Autumn semester, City campus

15326 Project Management Practicum

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject focuses on embedding students' learning from previous subjects in their real-world working lives. Students are required to manage a project outside their university environment. Students develop practice-based learning capabilities through reflecting on their progress applying project management theories to their real-world projects. Students attend regular lectures and share their experiences in supported discussion when presenting progress reports and through interaction in an online discussion forum. A reflective journal and final project management plan are submitted as evidence of the student's ability to apply theory in practice.

Typical availability

Autumn semester, City campus

15327 Managing Project Complexity

6cp; block
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This is a scenario and problem-based subject that is delivered through an intensive workshop. It explores sources of complexity in projects; how complexity manifests in projects; relevant theory informing management decisions; implications for managing risk, schedule, budget; procurement; governance; capabilities needed for management of complex projects; and tools and methods for managing different kinds of complexity.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15330 Program Management

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Program management concerns the harmonised management of a number of projects and other transitional efforts to produce a strategic advantage for organisations. This subject aims to demonstrate how program management can help deliver strategies to realise benefits for an organisation and value for its stakeholders. The subject addresses the cyclic and agile nature of programs. It explains how strategic objectives and stakeholders' expectations are used to select and prioritise a number of interdependent actions based on their contribution to benefits and their achievability. Students are then shown how to allocate and prioritise resources between actions that have been selected to deliver new capabilities to the business. Program maturity, decision management, stakeholder engagement, governance, as well as the program architecture is also discussed. During the block workshop, students work in teams and independently analysing a real-life case study to demonstrate an understanding of program management principles.

Typical availability

Autumn semester, City campus

15331 Project Portfolio and Program Management

12cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Organisations that adopt projects as a means to achieving change and delivering results often find it difficult to prioritise projects and to make best use of their resources. Additionally, many recent surveys have demonstrated that project backlog is a major issue in Australia. Portfolio management is a management approach that aims to align project efforts with the corporate strategy and optimise the efficient use of resources throughout the organisation.

This subject focuses on two aspects of the management of portfolios: the selection and prioritisation of projects, based on contribution to organisational benefits and achievability; and the allocation and prioritising of resources between those projects that have been chosen so that they can deliver the expected benefits.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15332 Strategic Project Management

12cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject examines managing complex projects (such as infrastructure, merger acquisition, strategic development and alliances) from the idea to the operation stage. Topics include presentation use of a meta-method for structuring, analysing, solving socioeconomic problems, and deciding under uncertain conditions. It uses both quantitative and qualitative approaches, systems thinking and system dynamics in project scenario modelling.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15333 Managing Organisations by Project

12cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject explores organisational design, re-engineering, implementation and improvement strategies for organisations managing or willing to manage by using projects. Topics include organisation theory overview, competence management and building learning organisations, change management, knowledge management, information systems, and quality issues focusing on creation of value, continuous improvement and maturity models.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15335 Project Appraisal and Finance

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is an in-depth appraisal for appraising and financing a simulated project based on a complex real-life case study. Students work to build a business case for the project in teams, reacting to simulated project changes in client demands. This subject focuses on embedding and integrating standard project management capabilities that were introduced in the foundation-level subjects of the Master of Project Management course. Students work in teams to develop a business case during the block workshop and independently on specific tasks.

15336 Systems Thinking for Managers

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject introduces the concepts of systems to help address management problems. It examines both hard and soft systems thinking approaches to develop an understanding of the interrelationships between various elements of a project and the environment in which they are executed. It equips students with systems diagnosis, systems thinking and business modelling tools to analyse issues arising in projects and design ways to maintain internal stability within a project while increasing its adaptive capability, and to deal with factors affecting the project due to factors beyond its control in its external environment.

Typical availability

Autumn semester, City campus

15337 Specialist Project Study

12cp
Requisite(s): 15315 Project Management Principles
Postgraduate

This subject provides students with the opportunity to work with selected visiting international or local experts on topics reflecting contemporary developments in project, program and portfolio management. The subject is delivered as a combination of a masterclass, where managers from industry are present, followed by a workshop with the visiting expert where the students can apply what was learned in the class.

Typical availability

Spring semester, City campus

15338 Strategic Procurement and Contract Management

6cp; 100% attendance required at the block workshop
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject focuses on the role of a project manager to procure goods and services and its timely provision for a project on behalf of a principal or client. It provides an overview of the laws relating to corporations, intellectual property, employment and contracts used in projects. It enables students to understand the law of contracts and statutory obligations of a purchaser and owner in a project to demonstrate how such obligations of the parties to a transaction might be varied by agreement. Students learn how ethical rules of professional bodies impact on commercial conduct in a project. As a result of knowledge gained through this subject, students learn how to interact confidently with persons who have legal training while dealing with contractual issues arising in projects.

Typical availability

Autumn semester, City campus

15339 Project Performance Evaluation

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

In this subject emphasis is placed on assessment of project performance from the perspectives of delivery of project key success factors and business benefits. Topics also include setting strategic objectives, information support systems and knowledge management in a project environment.

15341 Sustainable Development

12cp

Postgraduate

This subject examines issues affecting the interaction between economic development and environmental protection. It includes an understanding of the importance of ecologically sustainable development and the provision of strategic advice on the most effective use of resources over a project's life cycle. Advanced selection criteria and the measurement of sustainability are discussed in the context of political, legal, ecological and societal considerations.

Typical availability

Autumn semester, City campus

15342 Environmental Design

12cp

This subject examines the design and management of facilities in the context of environmental performance; low energy design solutions, renewable energy sources, energy measurement and conservation strategies, life-cost evaluation, occupancy costs, and asset management tools such as post-occupancy evaluation and environmental auditing aimed at effective facility operation; and embodied energy and recycling.

Typical availability

Spring semester, City campus

15343 Strategic Facility Planning

12cp

Postgraduate

This subject provides the economic evaluation and operation of existing facilities in the context of improved business performance and worker productivity; and an understanding of facility strategies, organisational responsibilities and structures and the appropriate decision-making tools that should be applied. Specific areas of focus include workplace ecology, needs analysis, space planning principles, computer-aided facility management solutions, outsourcing and risk analysis.

Typical availability

Autumn semester, City campus

15344 Facility Performance

12cp

Postgraduate

This subject examines the economics and management of facilities and support services using a whole-of-life approach; property maintenance, financial management, value identification and quality assessment; the impact of taxation on portfolio management, including asset depreciation; due diligence; environmental health and safety issues; and planned retrofitting, refurbishment, adaptive re-use and implications for business continuity.

Typical availability

Spring semester, City campus

15345 Minor Project

6cp

Postgraduate

This subject requires students to analyse a planning problem and develop a viable solution(s). Students analyse the causes which give rise to this particular problem and the effects of the problem, in terms of environmental, economic and socio-cultural factors. They then develop a creative solution to the problem, drawing on existing literature as appropriate. The subject is undertaken primarily via self-direction, but students are carefully guided by their supervisor and meet on a regular basis for tutorials.

15346 Governance and Leadership of Project Management

6cp

Requisite(s): 15315 Project Management Principles

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

The subject aims to examine the concepts of project governance at three levels within the project-based organisation: the board, the context within which projects thrive, and the project. Governance in this context includes the governance of portfolios and programs. The subject introduces students to modern concepts of governance of project management. Leadership theories are reviewed and students are introduced to the competencies of project leadership required to support effective governance of project management.

Typical availability

Spring semester, City campus

15347 The Project Organisation: A New Organisational Model

6cp

Requisite(s): 15315 Project Management Principles

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject examines how an organisation can use a 'project approach' to generate value for its stakeholders in a rapidly changing and fast-moving economic context, while sustaining long-term competitive advantage. Students learn how organisations are increasingly using project, portfolio and program management, combined with project/program management offices (PMO) to manage their change activities. Such organisations are now commonly referred to as 'Project Organisation' (PO). Students are exposed to different organisational models and trends through real-life case studies, that demonstrate how an integrated and dynamic PO can be developed to sustain competitive advantage. In the block workshop, students work independently and through team activities to demonstrate an understanding of the PO concept.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15348 Commercial Management of Projects

6cp

Requisite(s): 15315 Project Management Principles

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

A scenario and problem-based subject delivered through an intensive workshop and supported by online learning materials. The subject focuses on the business aspects of Project Management. It is aimed at meeting the needs of managers in environments that require an emphasis on project financing and profit and loss margins. The subject includes a focus on organisational-level risk management, gateway and approval processes, and covers the different contracting structures required to address the needs of a variety of contexts.

15349 Integrated Project Delivery Management

6cp

Requisite(s): 15315 Project Management Principles

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject focuses on the management of the interdisciplinary (specifically, architectural, engineering design and construction management) aspects of construction projects. The subject uses the preparation of a construction management plan for a real project by setting up appropriate responsibilities between the various parties involved in the project and integrating the efficient and effective use of data, information and knowledge throughout the project life cycle. The subject focuses on system integration management of construction projects using an interdisciplinary teamwork perspective.

15350 Professional Project Practice

6cp
Requisite(s): 15315 Project Management Principles AND Cross-institutional studies
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject focuses on the professional aspects of project management. It aims to develop an understanding of the importance of professional status through the formal acquisition of knowledge, standard practices and regulations. The subject includes a focus on the role of the project manager in this developing profession through self-regulation, codes of conduct, bodies of knowledge and competency standards. The subject sits within the advanced stream in the Master of Project Management and is of relevance to any students interested in developing their level of understanding and application of the professional practice of managing projects.

Typical availability

Spring semester, City campus

15356 Project Performance Improvement

6cp
Requisite(s): 15315 Project Management Principles
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides students with the tools and theories required to develop their reflective capability in a project context. Different methods are explored individually and in groups to make sense of the human and organisational factors that contribute to project success and/or failure. Students apply reflective practices to current and completed projects using specific frameworks to further develop their project management capabilities.

Typical availability

Spring semester, City campus

15456 Industry Project Studies A

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

Typical availability

Spring semester, City campus

15459 Project Management Methodologies

6cp
Requisite(s): 15315c Project Management Principles
Postgraduate

This subject provides an introduction to PRINCE2, Systems Engineering, and Agile Project Management, three popular complementary alternatives to how project management is represented in the PMBOK® Guide.

PRINCE2® (Projects in Controlled Environments) is an approach to project management that was developed by the UK Government, and is now widely used in the public and private sectors. PRINCE2® is a generic method, that can be applied to projects across a range of industries and scales.

Systems Engineering is an interdisciplinary approach to creating and modifying systems. It emphasises systems thinking to cope with the levels of complexity inherent in most project systems. To think systemically is to recognise that a system is not just its elements, but also the vital inter-relationships between these elements.

Agile is an umbrella term that describes a set of values, principles and practices that improve the way work is delivered. Agile has its origins in Lean manufacturing and has emerged over the past 15 years offering the benefits to project management of increasing value and reducing risk.

15460 Doctoral Thesis: Project Management

0cp
Postgraduate

This subject is the thesis component for students in the Doctor of Project Management course.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15461 Doctoral Thesis: Facility Management

0cp
Postgraduate

This subject is the thesis component for students in the Doctor of Facility Management course.

Typical availability

Autumn semester, City campus

15462 Introduction to Research

6cp
Requisite(s): 36 credit points of completed study in C04006 Master of Project Management
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject develops research skills in Master of Project Management and Doctor of Project Management students and is delivered through online readings and activities. The subject introduces the academic research process to postgraduate students and equips them with knowledge about research strategies, research methodology and methods to prepare them to undertake postgraduate research for doctoral studies; or to undertake small research projects and submit research reports.

Typical availability

Autumn semester

Spring semester

15463 The Research Process

6cp
Requisite(s): 15462 Introduction to Research
Postgraduate

This subject enables Master of Project Management students to conduct a small scale research project and submit a research report for assessment/publication and enables Doctor of Project Management students to prepare a research proposal for their first assessment to confirm their candidature. The focus of this subject is on planning a research project, reviewing the relevant literature, identifying risks associated with ethical issues, justifying the research methodology, designing the research projects, analysing quantitative and qualitative data, and writing a comprehensive research proposal and/or a research report.

Typical availability

Autumn semester, City campus

Spring semester, City campus

15464 Doctoral Thesis: Project Management

0cp

For subject description, contact UTS: Design, Architecture and Building.

15601 Planning for Bushfire Prone Areas

6cp; block
Postgraduate

This subject is designed to provide planning and development professionals, particularly those working in the local government arena, with the necessary skills and understanding to apply the relevant requirements of the *Environmental Planning and Assessment Act 1979*, *Rural Fires Act 1997* and AS 3333959 (Buildings in Bushfire Prone Areas). Severe bushfires over recent years have again highlighted the importance of ensuring that development in bushfire prone areas is carefully planned and controlled to maximise safety. This has been given a high priority by the NSW Government through amendments to legislation and publication of a new guideline, *Planning for Bushfire*

Protection. It is essential that professionals involved in this area have a thorough grasp of both the legislation and planning and design principles involved, as well as an understanding of related aspects of bushfire behaviour and management. This is required not only to produce quality outcomes but also to help protect local councils against claims of negligence in exercising their development control functions.

15602 Social Planning and Development

6cp
Requisite(s): 15604 Local Government Management Principles and Practice 1
Postgraduate

Social planning is all about change and how we manage it effectively - changing populations; changing expectations; how change is resisted or embraced. Local governments are uniquely placed to respond positively to change through strong social planning processes. Councils have a responsibility to their communities to continually scan the broad socio-political arena (which includes all spheres of government and the community) to identify and respond to social issues and opportunities. This subject equips participants to use social planning tools and techniques to deal effectively with change - changing populations; organisations; policies. It encourages holistic approaches to big picture issues as well as local concerns. These approaches are grounded in social justice principles and intentionally embrace systems thinking and new methods of inquiry to encourage practitioners to build on their training and creativity to promote better integration and collaboration in their practice.

15603 Integrated Strategic Planning

6cp
Requisite(s): 15604 Local Government Management Principles and Practice 1
Postgraduate

This subject adopts a multidisciplinary approach that recognises the many different strands of strategic planning in modern local government. While strategic planning had its origins in plans for land use and development, councils must now prepare a wide range of strategies also covering environmental management, social and economic development, infrastructure provision and various aspects of regulation and service delivery. These need to be linked to statutory planning instruments as well as corporate plans and budgets. This subject reviews the principles and concepts underlying all strategic plans; examines the legislative and organisational frameworks within which strategic planning takes place; incorporates case studies of different types of strategic plans; and focuses on some of the ways in which plans may be implemented more effectively. In particular, the subject examines the case study of the NSW Department of Local Government's new proposal for 10-year community strategic plans and what this might mean in practical terms.

15604 Local Government Management Principles and Practice 1

6cp; 24hpw x 2wks, block

This subject introduces the key principles, theories and models that affect management in a local government workplace. It develops an understanding of the background and origins of current local government management practice. The subject explores issues of local democracy, community, service delivery, governance and leadership in local government and the difficulties that confront local government at present and challenges they are likely to face in coming years.

Through dealing with the material in a way that takes learners on the process from theory – practice – application to capacity building, the academic and research skills of students are enhanced.

Typical availability

Spring semester, City campus

15605 Local Government Management Principles and Practice 2

6cp; block
Requisite(s): 15604 Local Government Management Principles and Practice 1 OR 49460 Local Government Management Principles and Practice 1

This subject allows students to build upon the concepts, principles and theories that they learnt in 15604 Local Government Principles and Practices 1 and develop skills necessary to put them into practice. It requires students to take the knowledge learnt and embark on a series of actions in both the classroom and their workplace.

Students are required to negotiate and develop a series of actions that are valuable to both themselves and their organisation. The subject has a particular emphasis on the research and articulation of ideas and the use of discussion and debate as a tool for future learning.

15606 Vocational Competencies 1

6cp

This subject enables students to develop and undertake an individual program of vocational study in an area of professional competence that builds on their existing skills and previous studies.

15607 Vocational Competencies 2

6cp

This subject enables students to develop and undertake an individual program of workplace learning in a specialist area of professional competence that builds on their existing skills and previous studies.

15608 Corporate Management and Organisational Change

6cp; block (five-day intensive workshop either on or off campus)
Requisite(s): 15604 Local Government Management Principles and Practice 1 OR 49460 Local Government Management Principles and Practice 1

This subject introduces the key legislative requirements for corporate and strategic planning in NSW local government. It builds on the organisational analysis carried out in foundation subjects and requires participants to examine more closely the planning processes that drive various aspects of the council. It requires students to develop a comprehensive knowledge of planning requirements and to clearly understand the interrelationships at play. It is a fundamental knowledge base for the understanding of better 'place management'. This subject is focused on achieving better outcomes through more effective strategic and corporate planning in local government. Its starting point is that councils need to match broadly based, outward-looking strategic planning for the whole of the local community and environment, with more rigorous and outcomes-focused corporate planning for their own operations. The subject highlights models and opportunities to integrate planning processes, strengthen links to budget and financial systems, enhance decision-making for implementation, and improve performance management.

15609 Local Environmental Management

6cp; block (five-day intensive workshop either on or off campus)
Requisite(s): 15604 Local Government Management Principles and Practice 1 OR 49460 Local Government Management Principles and Practice 1

This subject is focused on achieving better community outcomes through more effective integration of the principles and practices of ecologically sustainable development (ESD) into the day-to-day management of a council. This is a highly practical subject, strongly focused on how to achieve better results. It covers a wide range of processes and techniques that improve local government's performance in promoting sustainability and maximising quality environmental outcomes. This is particularly important at a time when both governments and communities have increasing concerns about these issues and higher expectations of local government's performance.

15610 Local Government Leadership: Personal and Professional Skills

6cp

In today's local government environment, leaders need to have more than just intellectual ability and technical know-how. They should also exhibit what is known as emotional intelligence. This is their ability to manage their emotions and those of others, their skill in inspiring performance in others and their ability to lead change, communicate effectively, and build and sustain work relationships.

This subject develops participants' understanding of the leadership issues facing managers in the local government environment. It then focuses on some core leadership capabilities and guides participants through the development of their personal action plan to enhance their leadership skills.

15611 Managing Local Enterprise

6cp

Requisite(s): (15604 Local Government Management Principles and Practice 1 OR 49460 Local Government Management Principles and Practice 1) AND (15605 Local Government Management Principles and Practice 2 OR 49461 Local Government Management Principles and Practice 2)

This subject involves an intensive research-based project. Content is discussed between the student and subject coordinator to best meet individual needs. Students are guided to select an appropriate topic and then carry out research from industry and academic resources.

15612 Building Regulation

6cp

Postgraduate

This is an introductory subject on interpreting and applying the regulatory requirements for dwellings (Class 1) and outbuildings (Class 10) as contained in the Building Code of Australia and the *Environmental Planning and Assessment Act 1979*.

15613 Development Control

6cp

Postgraduate

This subject deals with the basic building blocks of development control, ranging from the legal framework to planning instruments and policies, specific elements of the assessment process, and the workings of the Land and Environment Court. It is designed to complement experience at work and 'on the job' training for those relatively new to the field of development assessment. It provides essential knowledge and skills for effective professional practice, balancing planning law and policy with impact assessment and design factors.

15614 Advanced Development Assessment

6cp

Postgraduate

This subject has a strong practical focus and seeks to promote fresh thinking and improved techniques in development assessment in order to produce better development outcomes. It deals with key themes including interpreting and applying planning instruments; identifying and acting on key issues in assessment; precinct, site and environmental analysis; performance-based assessment and managing the assessment process. It is aimed at more experienced practitioners who see a need to broaden and refresh their practical skills, consider new ideas, and perhaps change their current approach.

15615 Advanced Building Regulation

6cp

Recommended studies: 49277 Building Regulation

Postgraduate

This subject deals with building regulation requirements and performance-based solutions for Class 2-9 buildings under the Building Code of Australia and NSW *Environmental Planning and Assessment Act*. It covers multiple dwellings, commercial and industrial buildings, and provides guidance on up-to-date theory and practice in assessment. Because the subject deals with more complex buildings and issues, students should have substantial experience in building regulation.

15616 Community Leadership Project

6cp; block

Postgraduate

The Community Leadership Project (CLP) is a flexible, project-based subject that enables students to work with community groups to achieve real outcomes. The CLP is a semester-long subject where students work on a community-based project and receive full academic supervision. Students identify a community project and develop a work plan together with expected outcomes with the community group and teaching staff. Ongoing support is provided throughout the semester. The CLP offers students the opportunity to further their personal leadership skills through independent, self-directed learning and to use these skills to benefit the community. Students are also given the opportunityto work alongside other local leaders.

Typical availability

May session, City campus

15617 Team Building and Leadership

6cp

This subject requires students to build and lead a team through a local government hypothetical scenario. Action learning is combined with workshop sessions, coaching and mentoring. Students are guided through a series of steps to build and form a team and they then take the team through a hypothetical local leadership challenge. This is followed by a de-brief, feedback and a critical reflection. This subject allows students to build and enhance their own leadership capabilities and also provide support and encouragement to others. Students keep a logbook throughout the subject and then write up a reflective analysis at the end of the subject.

15618 New Perspectives in Local Government Leadership

6cp

This subject introduces students to a range of perspectives on local government leadership. Drawing from the literature, key government and local government documents, as well as from relevant case studies, the subject explores local government leadership in both theory and practice. The subject covers topics such as civic leadership, public service, public value, ethics, integrity, social capital, leadership skills, innovation risk and due process. It involves workshops, readings, guest presenters and recorded interviews.

15619 Comparative Local Governance

6cp; block, on campus

Requisite(s): 15608 Corporate Management and Organisational Change

This subject introduces students to the key elements of comparative local governance. It addresses conceptions of governance and how they drive public sector representation, service delivery and reform. Notions of public value, public interest, localism and innovation are also discussed in order to map out how these are translated into local government structures and determine the role and purpose of this level of government. International and interstate examples of local government models and legislative frameworks are used to illustrate the practical articulation of these concepts. Case studies are used in order to identify lessons for Australian local government.

Typical availability

December session

15620 Local Governance Project

12cp

Requisite(s): 15619 Comparative Local Governance AND 15621 Research in Local Government

This subject develops core skills that enable students to conduct rigorous and original problem-solving in the local government context. In this subject students produce a substantial report describing applied solutions to their chosen local governance issue. Local governance comprises a set of institutions, mechanisms and processes through which citizens and their groups can articulate their interests and needs, mediate their differences, and exercise their rights and obligations at the local level. It is broader than local government, which comprises the administrative organisation and elected representatives, and incorporates the participation of a wider set of actors in governing a community such as the private sector, community groups and other key stakeholders.

Students are required to identify a local governance topic which has significance to the contemporary local government sector, and which they have learned about and explored in previous Master of Local Government subjects. They produce a literature review which identifies contemporary analyses and places their issue in the broader local government context. They also need to conduct some practice-based research which identifies current practice, stakeholder perspectives, and a range of practice and policy options for local government. Finally the subject requires students to design their own considered responses to their chosen topic. This subject is undertaken primarily through self-instruction, but students are carefully guided by their supervisor through regular feedback and tutorials. A seminar is incorporated in which students defend and debate their work with peers and other reviewers.

Typical availability

Autumn semester

Access conditions are available in the individual subject descriptions in the online handbook.

15621 Research in Local Government

6cp; block, on campus
Requisite(s): 15608 Corporate Management and Organisational Change

Utilising research in a local government context can be an important tool in improving capacity and outcomes. Research can generate new knowledge that improves service delivery, challenge or shed new light on existing attitudes, values and practices, or develop new perspectives and innovation. This subject enables students to become critical users of research outputs through developing their skills in interpreting and applying findings. This includes developing:

- a better understanding of research: the subject introduces conceptual frameworks and methods for research and enables students to determine which approaches are best suited for the investigation of different typologies of research questions
- a stronger capacity to use research to improve practice: the subject strengthens students' abilities to use research findings to inform policy development and local government practice
- strategies to strengthen local government's evidence-base for decision making
- better design of research questions for the development of project briefs: students develop their skills in designing research briefs, and in assessing responses to these briefs in terms of proposed methodologies and outputs, and how they are used
- stronger research skills: the subject covers basic research skills such as how to use databases, referencing techniques, and how to carry out literature reviews and basic interviews.

Typical availability

Spring semester, City campus

15622 Enhancing Local Government Service Delivery

6cp; block, on campus
Requisite(s): 15604 Local Government Management Principles and Practice 1

The role of local government in providing services has become broader and more complex over the last decades as community expectations have increased and other levels of government have devolved various functions.

The NSW Integrated Planning and Reporting Framework and IPART (Independent Pricing and Regulatory Tribunal) recommendations for rate rise variations have highlighted the need for councils to rigorously examine their services to find productivity improvements and ensure 'value for money' for their ratepayers. More than ever, councils are looking for ways to ensure the mix and quality of services they provide are relevant to their communities, and are financially sustainable.

This subject has been designed to help meet these challenges through building understanding and skills in reviewing and transforming service delivery. After completing the program, participants are able to assist their organisations through improving service outcomes, reducing costs and generating additional income.

Typical availability

May session, City campus

15903 Thesis (Quantity Surveying)

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16072 Industry Economics

6cp
Requisite(s): 16125 Built Environment Economics
Undergraduate

This field of economics is concerned with the relationship between the strategic behaviour of firms and the industry and markets they compete in. The structure-conduct-performance framework is explored and related issues such as market power, entry and exit are discussed. The subject provides students with an understanding of how economists analyse industrial structure and firm conduct as well as a basic knowledge of how competition policy is used to promote competition and safeguard consumers' interests. Topics include game theory and firm strategies such as advertising, product differentiation and price discrimination. Issues in the economics of imperfect competition, such as barriers to entry, collusion, switching costs, market structure and regulation, are also covered, as are the impact of technology and the role of standards and network effects.

Typical availability

Spring semester, City campus

16074 International Construction

6cp
Undergraduate

This subject aims to introduce students to construction industry structure, practices and methods of construction adopted in various parts of the world. The subject covers current practices and future trends in various countries and international approaches to construction procurement, management practices and construction resource availability, requirement and usage. It also covers the impact of local economic, labour and technical parameters on construction management; staffing for international projects; and areas of competitive advantage in international construction.

Typical availability

Spring semester, City campus

16075 Sustainable Building Technology

6cp
Undergraduate

This subject aims at providing the student with the skills necessary to evaluate the embodied energy and energy efficiency of existing construction methods as well as introducing alternative and more energy efficient methods. It also covers the issues surrounding recycling of building materials and alternative energy sources and issues affecting the interaction between economic development and environmental protection. It includes an understanding of the importance of ecologically sustainable development and the provision of strategic advice on the most effective use of resources over a project's life cycle. Advanced selection criteria and the measurement of sustainability are discussed in the context of political, legal, ecological and societal considerations.

Typical availability

Autumn semester, City campus

16076 Building Assessment

6cp
Undergraduate

The subject aims to provide students with the skills necessary to assess the technical condition of new and existing buildings. Methods appropriate to each of the various building components (including services) are covered. The subject also covers the assessment of the technical condition of existing buildings and the impact of that condition on possible future use of the building, detailed knowledge of the construction methods used in the past and the likely deterioration with time that would be expected of the building elements.

Typical availability

Autumn semester, City campus

16077 Advanced Construction Technologies

6cp
Undergraduate

This elective subject examines the structure and performance of various building structures (such as space frames) which are not generally covered within the core part of the program. It also looks at innovative building systems and examines issues such as the performance of buildings under unusual loading conditions and in fires. The subject also considers the latest developments in construction technology both within Australia and overseas. Students are required to evaluate these techniques to identify their applicability to the local building industry.

16078 Fire Dynamics

6cp
Undergraduate

This subject covers basic fire engineering fundamentals – problem-focused and applied-learning techniques in the areas of fluid dynamics, mass transfer and heat transfer.

16079 Performance-based Certification

6cp
Undergraduate

This subject teaches students to assess and understand the intent of codes and regulations. It also covers regulatory making processes and drafting of building regulations, the Building Code of Australia, performance versus prescriptive provisions and alternative design solutions, case studies, the certification process, the certification of major buildings, specific fire design processes, and procedural requirements of the Fire Engineering Design Guidelines.

16080 Fire Safety Systems

6cp
Undergraduate

This subject covers in detail all the fire safety subsystems and terms of their contribution to life safety, property protection, contents protection, etc., regarding their criteria, performance, operation, maintenance and control; including case studies.

16081 Human Behaviour in Fire

6cp
Undergraduate

This subject looks at various issues to do with human behaviour in fire. Topics covered include occupant characteristics, cues, response, egress simulation and design, egress systems, wayfinding, tenability criteria, design methodologies and verification.

16082 Expert Witness

6cp
Undergraduate

This subject comprises experience at giving expert testimony. Topics include the purpose and role of an expert witness, the context within which expert testimony is delivered, rules of evidence and natural justice, examination and cross-examination and the law relating to consultants in the construction industry. Students research a particular area of dispute, prepare a written report and participate in a mock tribunal hearing.

16083 Evolution of Technology

6cp
Undergraduate

The focus of this subject is the exploration of the history of technology and the role of invention and design innovation in the process of economic growth and social development. An introduction to chaos theory and complexity and the evolution of technology brings together two of the most potent forces in our history for exploration and analysis. The subject evaluates technology in the modern context of the sciences of complexity. The dialectic between technology and evolution is considered.

16084 Construction Practice Project

6cp; 3hpw (workshop) and may include fieldwork.
Undergraduate

In this subject students explore areas of interest related to the special projects content through a self-directed learning contract or, when offered, intensive workshop mode. The areas for study within the special projects are construction management theory, construction technology or case study. This flexible learning approach allows students to further examine these areas of study in greater detail, or to explore another issue relevant to the topic that has an application to their academic and career development. Projects that are offered may respond to special conditions within the community and/or faculty. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students. Enrolment in this subject is granted upon negotiation with the course director and students must demonstrate that they have a viable project, study plan and appropriate academic supervision.

Typical availability

Spring semester, City campus

16085 Building Control and Regulations

6cp
Undergraduate

This subject provides students with an understanding of the NSW building control system and the technical requirements of the Building Code of Australia.

16103 Materials Science

6cp
Undergraduate

This subject introduces students to the properties, behaviour and testing of construction materials and the principles of heat, light and sound as they apply to building design. Students explore the important link between ecologically sustainable design and construction material choice during the design process. This includes an examination of the durability and life-cycle of construction materials and the embodied energy and energy efficiency of various design options and construction methods.

Typical availability

Spring semester, City campus

16104 Preparatory Studies

6cp
Undergraduate

This subject helps students to develop professional communication and computing skills. It covers basic research methodologies including library skills, information gathering, written communication skills, and academic and essay/report writing. It also includes oral presentation skills, industry orientation and basic technical drawing skills.

Typical availability

Autumn semester, City campus

16105 Cost Management 1: Measurement

6cp
Requisite(s): 16109 Construction Technology 1
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the principles, procedures and practical application of construction quantities measurement. It commences with an overview of the importance of and the use and application of construction quantities. Students carry out a series of detailed exercises in construction quantities calculation, measurement and description utilising electronic CAD/BIM technology. The Australian Standard Method of Measurement of Building Works is used as the main measurement standard but students explore the differences in approaches to measurement for builders quantities, estimates, cost planning and other forms of quantities.

Typical availability

Spring semester, City campus

16106 Drawing and Surveying

6cp
Undergraduate

In this subject, detailed instruction is given in manual drafting and graphic skills and the reading of construction drawings. Students are introduced to CAD work using 2D CAD packages. In terms of surveying, the subject covers the process of setting out works; extractions of information from surveying drawings, levels and contours; the choice of setting out techniques; the use of tape, level, theodolite and optical plummets; the NSW land title systems and the powers of public authorities. Fieldwork involving the use of building surveying equipment is undertaken.

Typical availability

Spring semester, City campus

16107 Planning and Design Process

6cp
Undergraduate

This subject introduces students to the necessary skills and considerations for planning and design processes. It covers: design principles, building regulations, approvals processes (DA, BA), environmental impact of buildings, integrated design, contextual issues which relate to human impact on the environment including environmental impact statements; economic theories of land use including urbanisation; effects of controls; provision of services; rehabilitation and renewal; welfare provision; transportation; decentralisation; heritage considerations; environmental law and procedures; powers of environmental protection agencies; global warming and ozone depletion; international conservation issues; and policy strategies and initiatives.

Typical availability

Spring semester, City campus

16108 Introduction to Law

6cp
Undergraduate

This subject is an introduction to the legal system in Australia including sources of law, the court system and the legal personnel. It includes a detailed study of contract law and an outline of criminal law, civil law, industrial law, insurance law, dispute resolution, property law and the law of business associations.

Typical availability

Autumn semester, City campus

16109 Construction Technology 1

6cp
Undergraduate

This subject examines construction technology for single dwelling (Class 1A) residential buildings. Students are introduced to construction terminology and typical construction/design details and their components. The major elements in the residential construction process (site considerations, foundations, footings, floors, walls, roof framing and coverings, windows and doors, internal linings and joinery, cladding, finishes and landscaping) are examined in detail. Examples of alternate and innovative forms of construction are provided. Basic structural principles are explained throughout the subject and students are introduced to basic residential building services (hydraulics, electrical and fire protection systems). Students are also introduced to the main building regulations/codes governing residential construction, such as the Building Code of Australia and Australian Standards.

Typical availability

Autumn semester, City campus

16123 Introduction to Property

6cp
Undergraduate

Through the delivery of lectures, seminars and case studies, this subject gives an introduction to property studies. It introduces the various property professions, the property market, property investment analysis and the methodology and technical tools used for valuing real estate.

Typical availability

Autumn semester, City campus

16126 Appraisal and Statistics

6cp
Undergraduate

Appraisal and statistics provides students with the elementary tools needed in undertaking and analysing property-related mathematics and statistics. The mathematical component encompasses the business application of percentages, compound interest and annuities. The majority of the subject is focused on statistical concepts and applications.

Typical availability

Spring semester, City campus

16127 Building Technology

6cp
Undergraduate

This subject introduces students to the building and construction industry technology discipline with the focus on the property sector. The subject is divided broadly into two component parts. The first component acquaints the student with the nature of building construction by treating the building as a series of interconnected systems and components. The second component acquaints the student with the nature of multistorey, multi-occupancy residential construction, industrial, commercial and high-rise construction by treating the building as a series of interconnected systems and components.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Winter session, City campus

16129 Forensic Trust Accounting

6cp
Requisite(s): 16124c Accounting and Business Management OR 16264c Property Accounting and Financial Management
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject incorporates the assimilation of accounting and governance principles with an emphasis on trust accounting under the relevant statutory and regulatory requirements. Students develop trust accounting and bookkeeping skills and knowledge to accurately maintain the appropriate accounting records. Students are introduced to analytical and critical thinking skills with regards to fraud detection.

Typical availability

Spring semester, City campus

16137 Digital Built Environment

6cp
Core
Undergraduate

This subject provides students with an introduction to global digital technologies that are revolutionising society and business practices with a focus on leading edge digital technologies used in planning, designing and constructing the built environment. The key technologies addressed include geographical information systems (GIS), building information modelling (BIM) and spatial analysis. The use of these technologies to optimise project information flow and management are explored and key planning and project management software systems covered. Students are introduced to the concept of virtual projects and remote project management. The subject also addresses the main industry issues, challenges and opportunities related to the development and practical application of these digital technologies.

Typical availability

Autumn semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/Zi34r4GYaFs
- Academic video: www.youtu.be/orVXAFKULIA

16138 Site Establishment

6cp
Requisite(s): 16204 Construction Technology 2 OR 16265 Construction Technology 2
Undergraduate

This subject examines the technology and processes involved in construction site establishment and operation and site surveying. The changing nature of the site as construction evolves is also explored. The key issues surrounding site excavation are also explored and include maintaining faces of excavation, shoring, underpinning, piling and other sub-strata operations. The design and erection of temporary structures to support construction works during the course of a project are examined in detail. Students are introduced to site

surveying including advanced set out and levelling skills, setting out using theodolites and a thorough background in all building marking out and location techniques. Safety requirements and legal liabilities form a thread through the whole subject.

Typical availability

Autumn semester

16203 Cost Management 2: Estimating

6cp
Requisite(s): 16105 Cost Management 1: Measurement
Undergraduate

This subject examines estimating practices and techniques typically used by contractors. Construction pricing underpins the subject and includes breaking construction costs and quantities into labour, material, plant, sub-contract and indirect cost components. The differences in quantity-related, time-related and fixed costs are explored. A series of tutorials and exercises in quantifying and pricing construction work items and activities are carried out by students. The subject then looks at more strategic estimating areas such as tender preparation, the use of builder's bills of quantities, obtaining and checking sub-contractor quotations, pricing preliminaries and determining margins for profit and overheads. Estimating software applications are utilised throughout the subject and students are exposed to leading edge practices that involve integrating construction cost estimating into building information modelling (BIM) systems.

Typical availability

Autumn semester, City campus

16205 Services 1

6cp
Undergraduate

This subject provides an introduction to electrical, airconditioning, vertical transportation, and fire protection services and systems, covering terminology, design and construction requirements. It also includes an introduction to intelligent buildings and an in-depth study of coordination, integration, installation and inspection of services, and safety and access requirements.

Typical availability

Spring semester, City campus

16206 Structures

6cp
Requisite(s): 16109 Construction Technology 1
Undergraduate

This subject examines the role of structural engineers and the structural knowledge that project managers require to effectively manage and supervise projects and to be able to interact with and manage structural engineers as part of the design team. This includes the development of an understanding of structural principles by introducing students to the loads acting on simple and complex structures and demonstrating how these loads are supported by structural members and transmitted to footings. Students are provided with an appreciation of the structural behaviour of common structural systems and temporary structures through the calculation of internal structural forces and moments. Students also develop an understanding of typical structural design documentation with a focus on structural drawing and specification details.

Typical availability

Autumn semester, City campus

16207 Cost Management 3: Cost Planning

6cp
Requisite(s): 16203 Cost Management 2: Estimating
Undergraduate

This subject covers the principles and practices of construction economics involving project scope management, the establishment of project budgets, preliminary estimating, cost planning, cost modelling and elemental building cost analysis. The role of the cost planner in the project design team is investigated and the principle of 'designing to a cost' rather than 'costing a design' is emphasised. The differences between project price, cost and value are identified. Scope management is a critical part of the cost planning process and the principles and practices of project scope identification, management and control are examined in detail. The subject then examines long-term operational costs and environmental impact through the concepts of life-cost planning and multi-objective decision analysis. Cost planning exercises utilising cost data bases, historical building cost data, price indices and leading edge cost planning software are implemented to strengthen student understanding. The subject concludes with an overview of the integration of cost planning practices with building information modelling (BIM) systems.

Typical availability

Spring semester, City campus

16209 Building Science/Materials 2

6cp
Requisite(s): 16103 Materials Science
Undergraduate

This subject looks at advanced principles of heat, light and sound as they apply to building design. It examines in detail issues such as the embodied energy of materials and the life cycle of building materials as they relate to sustainable development. The subject also focuses on the material properties of concrete, soil and rocks and the testing thereof.

Typical availability

Spring semester, City campus

16212 Digital Design and Construction 1

6cp
Requisite(s): 16137 Digital Built Environment
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines 3D design coordination, construction modelling and documentation. It investigates the role of the project manager and construction contractor in digital design and construction, and explores the knowledge they require to effectively manage, supervise and participate in construction projects enabled by building information modelling technologies. The subject familiarises students with synchronous and asynchronous design communication and collaboration tools and their impact on building design and production. Students develop an understanding of the extent to which information modelling systems facilitate the generation, representation, rationalisation, materialisation and fabrication of design artefacts in collaborative and multidisciplinary design settings. Students are therefore provided with a foundation in 3D modelling principles and procedures before developing skills in the coordination of the design work of project team members using linked models. Students develop an understanding of how to read and coordinate architectural, structural and service design models; undertake 3D model reviews and interference checking; and learn how to model construction details and produce electronic construction documentation. Technical and communication skills are practised in different digital environments, including computing lab, digital workshop and interactive construction environment. Current issues surrounding the use of building information modelling in construction are discussed.

Typical availability

Autumn semester, City campus

16231 Property Management

6cp
Requisite(s): 16234 Property Valuation

Through the delivery of lectures, seminars and case studies, this subject intensively examines the management of commercial property. It covers the various lease structures, the role of the property manager, including the enforcement of the lease conditions, the statutory requirements, and budgeting and forecasting.

Typical availability

Autumn semester, City campus

16232 Property and Political Economy

6cp
Requisite(s): 16235 Urban Economics
Undergraduate

This subject is designed to allow students to engage with and debate contemporary issues of property and the political economy. It offers an appreciation that the institution of property is a human construct, adapted to meet the changing needs of a particular society at a given moment in time. Taking a property-rights approach to the political economy, issues for current practice are examined including customary tenure, environmental concerns, land taxation, equity and intercultural contrasts.

Typical availability

Spring semester, City campus

16233 Urban Planning Process

6cp
Undergraduate

This subject focuses on the regulation of the land-development process by analysing the nature and necessity for planning. Students are introduced to the contemporary structure of the NSW planning system, enabling an understanding of the plan-making process and the power relations between the State, local consent authorities, the community, and agents of development. A key aim is to allow students to recognise the application of sound planning and design practice to the fields of residential and commercial development.

Note: Students should be aware that the statutory and regulatory regimes which govern planning in NSW are under continuous review. Changes are frequent. UTS endeavours to maintain currency of lecture material but occasionally some items may be obsolete.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16234 Property Valuation

6cp
Undergraduate

This subject is an in-depth study of the role, functions and obligations of the valuation profession and the purposes of valuation. It covers the purposes of valuation and concepts of value and their use in the market place.

The methods of valuation covered include the direct comparsion, summation, capitalisation, hypothetical development and residual methods of valuation. It introduces financial theory and the application of the time cost of money.

Typical availability

Spring semester, City campus

16235 Urban Economics

6cp
Requisite(s): 16468 Introduction to the Built Environment
Undergraduate

This subject engages with economics, demographics, geography, planning and political science within property and the built environment. It provides a basis for understanding the forces that shape urbanism, its form and structure and the factors which impact on its viability.

Typical availability

Autumn semester, City campus

16236 Property Cash Flow Analysis

6cp
Requisite(s): 16136 Introduction to the Built Environment OR 16468 Introduction to the Built Environment
Undergraduate

This subject examines application and theory of cash flow analysis; discounted cash flow analysis with computer modelling; working capital management; forecasting and theory; various forms of risk analysis, including sensitivity and scenario analysis with computer skills; and forecasting and validity issues. It introduces forecasting approaches including regression, time series and chaos; validity of forecasting for future property variables in cash flow valuation.

Typical availability

Autumn semester, City campus

16237 Property Taxation

6cp
Requisite(s): 16264 Property Accounting and Financial Management
Undergraduate

This subject analyses various forms of taxation relating to property holdings and property investment; income tax, capital gains tax, depreciation allowances, land tax, stamp duties and goods and services tax; taxation of trusts; negative gearing; and alternative forms of taxation and their likely impacts on the property industry.

Typical availability

Spring semester, City campus

16238 Research Methods

6cp
Requisite(s): 16468 Introduction to the Built Environment AND 16234 Property Valuation
Undergraduate

This subject is designed to give students the skills to select and use appropriate procedures in research and project studies and to understand and manage the various facets of research projects. This subject provides students with the required skills to undertake a number of types of research studies.

Typical availability

Autumn semester, City campus

16257 Advanced Procurement Methods

6cp
Undergraduate

This subject examines the range of methods used when procuring built assets, with an emphasis on the innovative, non-traditional methods found on large, complex projects. The subject contrasts traditional procurement methods introduced in earlier subjects with collaborative procurement methods aimed at reducing the cost of construction and operation, achieving milestones, shortening duration, reducing claims, and improving constructability and innovation. Case studies of major projects are used to identify the issues found with project delivery systems that combine designers, builders, and suppliers into an integrated project team. Designing procurement systems to minimise the risk of collusion and corruption is discussed.

16258 Financing Construction Projects

6cp
Requisite(s): 16125 Built Environment Economics OR 16466 Built Environment Economics
Undergraduate

This subject examines in detail the various financing options for building and construction projects including joint ventures, private finance infrastructure initiatives, international collaborations and project finance options involving government guarantees, off-take agreements and producer payments. The subject gives students a deeper knowledge of project finance methods found in the property and construction industries, so graduates are better suited to industry practice, consistent with intended graduate attributes. The issues covered apply to the project finance techniques, requirements and processes found in construction finance and used for property developments.

16259 Honours Research 2

6cp
Requisite(s): 16661 Honours Research 1 OR 16262 Honours Research 1
Undergraduate

In this subject students develop an understanding of research methodologies. Through the delivery of workshops and individual supervisor meetings, this subject introduces the students to research methodologies. Workshop 1 introduces the students to the concept of research methodology and research approaches. Students are introduced to quantitative and qualitative paradigms and their respective characteristics. The advantages and disadvantages of each approach is discussed. The second workshop involves a presentation to staff and students of their proposed research method. Students work closely with their supervisors to develop a research design and write the methodology chapter of the thesis.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16260 Honours Research 3

6cp
Requisite(s): 16662 Honours Research 2 OR 16259 Honours Research 2
Undergraduate

This subject involves the preparation and submission of an original thesis, which would normally be 8000-12000 words in length. The thesis must comprise the identification of a problem, a thorough literature review of the topic and development of a solution based on a selected research design. The submission should include comprehensive annotated appendices relating to data collection and analysis to support the findings in the thesis.

Typical availability

Spring semester, City campus

16261 Development Management

6cp
Requisite(s): 16231 Property Management
Undergraduate

This subject looks at aspects of the management of projects under development or undergoing major maintenance: client needs determination; procurement methods; design management including cost planning and buildability; and approvals management. It also covers the development of maintenance standards for and estimate of live components of buildings; maintenance budgets; and assessing the effects of design on maintenance and recording operating cycles of plant and equipment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16262 Honours Research 1

6cp

Through workshops and individual supervisor meetings, this subject takes students through the process of choosing a topic area, developing a specific set of research questions, and completing a literature review to set the groundwork for invetsigating the research questions. Workshops focus on establishing a rationale for research, developing aims and objectives based on research questions, library search skills, how to structure a literature review, and how to develop an endnote library of sources.

Typical availability

Autumn semester, City campus

16263 Design Team Management

6cp
Requisite(s): 16912 Site Management
Recommended studies: this subject is intended for senior undergraduate or master's-year level students of construction-related disciplines (architecture, engineering or construction management)
Undergraduate

This subject examines management of design teams within multidisciplinary, cross-functional projects. It discusses theoretical models of the design process (including the question of sustainable design) and the practical aspects of design management, including brief formulation and management, value analysis, design team structure, planning and coordination, communication between design professionals, contractual management, management information systems and knowledge management. The use of Building Information Modelling (BIM) and other digital technologies to optimise design team collaboration and performanace forms an integral thread through the subject. Core learning material is supplemented with case studies by specialist guest lecturers from various design disciplines.

Typical availability

Spring semester, City campus

16264 Property Accounting and Financial Management

6cp
Requisite(s): 16234 Property Valuation
Undergraduate

This subject provides an introduction to accounting and business management principles and procedures with a focus on the financial structure and performance of construction/property entities. The subject incorporates the fundamental elements which drive a company from a financial perspective. Students learn how to interpret and analyse financial reports including the statements of financial performance and financial position, budgets and cash flows, to help assess the company's performance. Students also learn the principles of depreciation.

Typical availability

Autumn semester, City campus

16265 Construction Technology 2

6cp
Requisite(s): 16109 Construction Technology 1 OR 48340 Construction
Undergraduate

This subject examines construction technology for multiple occupancy, medium density residential buildings. Terminology and construction/design details for typical construction solutions are examined in detail for attached housing, walk up apartments and other medium residential types. The subject explores the main construction systems, processes and principles that construction managers should be familiar with for this type of construction. Students develop an understanding of relevant building regulations and compliance issues. The subject incorporates investigation of alternative construction techniques, materials handling and basic understanding of how services interface with the building.

Typical availability

Spring semester, City campus

16266 Sustainable Urban Design and Development

6cp; 2hpw (lecture), 1hpw x 5 weeks (tutorial)
Requisite(s): 16468 Introduction to the Built Environment

This subject provides an introduction to the environmental impact of urban development and the roles and responsibilities that professionals in the built environment have in reducing environmental problems. The subject commences with an overview of the major global environmental problems and how the built environment has contributed to these problems. The principles of sustainable urban development, planning and design are then explored in conjunction with the roles that professionals in the built environment can play in achieving sustainability. This subject also provides the basis for understanding the processes that shape the built environment particularly in relation to the development and redevelopment of cities. Students are exposed to the history of the city and city development and a general understanding of the environmental and social impacts of urban development. It further shows how built environment professionals can play a more responsible role in resolving some of the current environmental challenges facing our cities. Examination of these issues is underpinned by analysis of contemporary case studies.

Typical availability

Spring semester, City campus

16267 Property Title and Spatial Data Analysis

6cp
Undergraduate

This subject examines the origin and nature of property title and tenure and the issues associated with the determination of the physical extent of property title. Maps, plans and digital information are used in computation and assessment of spatial information in the measure of land and elements of the built environment.

Typical availability

Spring semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

16307 Project Management Integration

6cp
Requisite(s): 16912 Site Management AND 16317 Risk and Safety Management AND 16913 Time and Quality Management AND 16207 Cost Management 3: Cost Planning
Undergraduate

This subject involves a Capstone Project that provides students with the opportunity to demonstrate and integrate the professional knowledge and skills that they have acquired through their course. Students work in groups to go through the process of procuring a project from inception to completion and also covering the commissioning and operational stages of the project. Students are expected to demonstrate a professional level of preparation, planning, execution, testing and documentation for the project and are expected to meet a number of strictly enforced milestones. They need to demonstrate proactive initiatives in overcoming problems associated with the project. The subject brings together the processes of project management as defined by the Project Management Body of Knowledge (PMBOK) and their interaction within a project life cycle. Project initiation is explored, including project purpose and justification, stakeholder-needs analysis, feasibility analysis, setting project objectives, development and evaluation of alternatives and project definition. Students then address the practical application of project planning, executing, controlling and closing processes. This incorporates the integration of project scope, time, cost, quality, risk, procurement and facilitating processes. Emphasis is placed on effective project teamwork and communication.

Typical availability

Spring semester, City campus

16308 Services 2

6cp
Undergraduate

This subject provides an introduction to hydraulic, security services and systems, intelligent buildings and an in-depth study on coordination, integration, installation and inspection of services, safety and access requirements.

Typical availability

Spring semester, City campus

16313 Building Economics 2

6cp
Undergraduate

This subject examines the financial and economic issues of relevance to the construction industry, including the application of industrial economics within the industry, the measurement of performance, forecasting techniques and the relationship between business and building cycles, and the process of structural change.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16314 Construction Technology 3

6cp
Requisite(s): 16204 Construction Technology 2 OR 16265 Construction Technology 2

Undergraduate

This subject examines construction technology for industrial buildings. Terminology and construction/design details for typical construction solutions for typical industrial buildings such as warehouses and factories are examined in detail. The subject commences with an examination of site sub-strata conditions and soil types and the use of geotechnical analyses to identify specific site conditions. The subject further explores the main structural principles that construction managers should be familiar with for this type of construction. This includes applied structural principles for steel framed construction. Building services technology (hydraulics, electrical and fire protection systems) are also covered. Students develop an understanding of relevant building regulations/codes and compliance issues. The subject incorporates investigation of alternative construction techniques and materials handling issues.

Typical availability

Spring semester, City campus

16315 Structural Behaviour

6cp
Requisite(s): 16206 Structures
Undergraduate

This subject builds on the knowledge developed in 16206 Structural Appreciation by extending the principles developed for timber to the behaviour of concrete and steel structures. The interaction of concrete elements with foundation materials is also given more detailed consideration. Simple calculation techniques are used to illustrate the rationale behind various construction details and special emphasis is given to the structural behaviour of temporary structures.

Typical availability

Autumn semester, City campus

16316 Building Company Performance

6cp
Undergraduate

The objective of this subject is to provide students with a thorough understanding of the financial operations of companies and the factors that affect their financial performance. Students are acquainted with accounting principles, analysis of financial statements, methods of capital budgeting, and preparation of feasibility studies.

Typical availability

Spring semester, City campus

16317 Risk and Safety Management

6cp
Requisite(s): 16912 Site Management
Undergraduate

This subject provides a framework for the management of occupational health and safety (OHS) and risk on construction projects. Safety is one of the most important issues on construction projects and there are stringent legal obligations placed on contractors and construction managers through OHS legislation and other legislation/codes of practice. These requirements are examined in detail as are concomitant workers compensation and insurance obligations. Management practices to ensure and maintain a safe working place throughout the course of a project are covered and students are presented with the many issues, challenges and problems that are faced in achieving this. Effective risk management practices are at the core of safety management and the integration of the two is investigated.

The subject provides an overview of project risk management generally and the main theories of risk causation and implications for management. The techniques and methods used for risk identification, evaluation and response are examined in detail and contextualised to cover the risks typically faced by project stakeholders (including safety). Students are challenged to develop project risk management systems including methods of monitoring and controlling risks utilising risk software applications.

Typical availability

Autumn semester, City campus

16331 Specialised Valuation

6cp
Requisite(s): 16234 Property Valuation AND 16236 Property Cash Flow Analysis
Undergraduate

This subject involves an in-depth study relating to a diverse range of specialised property types and the underpinning factors which lead to the creation of value in the same. The subject also considers special purpose valuations relating to strata and community title, stratum subdivision, heritage property, financial reporting and plant and equipment.

Typical availability

Spring semester, City campus

16332 Investment and Portfolio

6cp
Requisite(s): 16236 Property Cash Flow Analysis AND 16234 Property Valuation
Undergraduate

This subject is an in-depth study of the methods and techniques of investment and portfolio management, and a study of the asset allocation process and risk and return with an introduction to the techniques of investment and portfolio analysis.

Typical availability

Autumn semester, City campus

16333 Statutory Valuation and Compensation

6cp
Requisite(s): (16234 Property Valuation AND 16231 Property Management AND (16123 Introduction to Property OR 16136 Introduction to the Built Environment OR 16468 Introduction to the Built Environment))
Undergraduate

This subject equips students to assess, prepare and defend statutory valuations used for land acquisition, rating and taxing and other court-related purposes including general litigation, family law and equity involving property. The subject is designed to cover the preparation of instructions, statements of evidence and the presentation and delivery of expert evidence.

Typical availability

Autumn semester, City campus

16335 Advanced Valuation

6cp; 1 x 3hrs lecture / workshop weekly
Requisite(s): 16331 Specialised Valuation AND 16236 Property Cash Flow Analysis
Undergraduate

This subject is concerned with the analysis of property investment transactions and the application of this analysis within the process of appraising non-residential investment property and leasehold interests. The subject also involves the application of time value of money theory within the capitalisation and discounted cash flow approaches.

Typical availability

Autumn semester, City campus

16336 Property Title and Tenure

6cp
Requisite(s): (16231 Property Management AND 16123 Introduction to Property AND (16334 Development Management OR 16261 Development Management))
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject covers the origin and nature of property title and tenure and the issues associated with the determination of the physical extent of property title. Maps, plans and digital information are used for the computation and assessment of spatial information in the measure of land and elements of the built environment.

Typical availability

Autumn semester, City campus

16338 International Property Investment

6cp
Requisite(s): 16332 Investment and Portfolio
Undergraduate

Through the delivery of lectures, seminars and case studies, this subject analyses the factors that determine foreign real estate investment; examining the underlying factors that determine the level of such investment with particular focus on Australia and the Pacific region.

Typical availability

Spring semester, City campus

16341 Facility Evaluation

6cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Spring semester, City campus

Summer session, Singapore

Winter session, Singapore

16342 Property Cycles and Forecasting

6cp
Requisite(s): (16123 Introduction to Property OR 16136 Introduction to the Built Environment OR 16468 Introduction to the Built Environment) AND (16125 Built Environment Economics OR 16466 Built Environment Economics)
Undergraduate

This subject provides a study of the property market characteristics. It analyses the cyclical nature of property markets, key determinants and provides methods and techniques that can be applied to property market analysis.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16343 Development Case Study

6cp
Undergraduate

This subject examines the processes of generic project management and their interaction within a generic project life cycle. Project initiation is explored, including project purpose and justification, stakeholder-needs analysis, setting project objectives, development and evaluation of alternatives and project definition. Project planning, executing, controlling and closing processes includes practical knowledge and application of the planning processes, such as scope, time, cost, quality, risk, procurement and facilitating processes, including project communication, organisational structures and influences.

Typical availability

Autumn semester, City campus

16345 Property Trusts and Funds

6cp
Requisite(s): 16332 Investment and Portfolio AND 16238 Research Methods
Undergraduate

Through the delivery of lectures, workshops and debates this subject examines Australia's property trust and funds industry, analysing alternative investment structures, their benefits and weaknesses, performance, legal and taxation issues, methods of valuation, while contrasting with similar industry sectors in overseas markets.

Typical availability

Spring semester, City campus

16346 Moot Court

6cp
Requisite(s): 16333 Statutory Valuation and Compensation AND 16234 Property Valuation
Undergraduate

The moot case study is a hypothetical scenario in which students work as a team in the preparation and presentation of a property-related case involving compulsory acquisition or rating and taxing. A scenario is provided in which students respond with a written report and present and argue their position before a panel, tribunal or court.

16412 Cost Management 4: Advanced Estimating

6cp
Requisite(s): 16207 Cost Management 3: Cost Planning
Undergraduate

This subject covers advanced estimating and cost management techniques and procedures used by contractors. This includes bidding theories, tendering practices and cost monitoring, control and remedial action during the course of a project. The practical issues and problems faced by contractors in estimating project costs and securing work are examined in detail as are the strategies used by contractors

to achieve competitive advantage. The subject also explores other decision-making techniques such as value management, cost benefit analysis and multi-criteria. The subject utilises contemporary software applications and explores leading edge industry practices such as electronic measurement, linking automated quantities to estimating databases/systems and the integration of the estimating process with building information modelling (BIM) systems.

Typical availability

Autumn semester, City campus

16421 Construction Law and Professional Practice

6cp
Requisite(s): 16108 Introduction to Law
Undergraduate

This subject is based on the tortious liability imposed by the law upon professionals, some major contractual problems related to the building industry and an outline of employment law and statutory industrial regulation. It also provides students with an understanding of the issues of professional responsibility and practice within the project management discipline, including issues of ethics.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16422 Construction Technology 4

6cp
Requisite(s): 16314 Construction Technology 3 Industrial
Undergraduate

This subject examines construction technology for multi-storey commercial buildings. It commences with an overview of the main methods/systems of high rise construction and materials handling and then examines the typical elements in high rise construction such as concrete framed structures, pre-stressed concrete construction, pre-fabricated construction (such as precast concrete), slip-form and jump-form construction and curtain walling. This is then extended to the internal fitout of high rise buildings. The subject explores the main structural principles and building services technology (hydraulics, electrical, mechanical, security, communication, fire protection and vertical transportation systems) that construction managers should be familiar with for this type of construction. The main building regulations and codes relevant to high rise construction are identified and addressed in detail and students explore issues and difficulties with ensuring compliance.

Typical availability

Spring semester, City campus

16423 Procurement and Contract Management

6cp
Requisite(s): 16467 Built Environment Law and Ethics AND 16912 Site Management
Undergraduate

This subject examines the project procurement systems used in the construction industry and the principles and practices involved in the administration and management of construction contracts. The variety of methods used to procure construction projects are examined in detail. The subject examines common construction contracts used in the industry and explores typical contractual responsibilities and liabilities imposed by these contracts and the issues that emanate from these. Students are given exercises in examining and interpreting general conditions of contract and contractual risk allocation to strengthen their understanding. The subject then examines the principles and procedures of effective contractual claims management including preparation of variations, progress claims and time extension/delay cost claims. This is extended to include the administration and management of subcontract and supply agreements. Cost/time/quality monitoring, administration and control and cash flow forecasting and earned value analysis during the construction stage are then explored in detail. Students are then introduced to conflict management and dispute resolution as an integral part of the contract management role. The subject utilises contemporary software applications and explores leading edge industry practices such as web-based contract administration and the integration of contract administration and information flow with building information modelling (BIM) systems.

Typical availability

Spring semester, City campus

16424 Construction MIS

6cp
Undergraduate

This subject considers the emerging role of information technology in the design, procurement, construction and operation of construction projects. It looks at virtual project teams and the interconnections necessary to enable effective workflows. The subject also covers shared project models and the systems that support them, communication strategies, virtual projects, the use of CAD in realising virtual models, as well as the next generation of software tools and their likely application.

Typical availability

Spring semester, City campus

Summer session, City campus

16466 Built Environment Economics

6cp
Undergraduate

This subject provides an introduction to the structure and performance of the Australian and international economies with a focus on the relationship with the construction and property industries. An introduction to macro and microeconomic theory and concepts and the structure and performance of the Australian and international economies provides a national and international perspective to this subject. The relationships between macroeconomics and the business environment and building cycles are covered through use of interactive examples and case studies. Economic issues and policies relevant to the Australian construction and property industry are covered as well as financial markets, institutions and instruments. Students also develop an understanding of the importance of market structure and the behaviour of firms.

Typical availability

Autumn semester, City campus

16467 Built Environment Law and Ethics

6cp
Undergraduate

This subject provides students with an introduction to construction and property law for the built environment. The contractual, tortious and trade practices liabilities imposed on construction and property professionals are examined and case law examples are used to demonstrate the ramifications of failing to meet legal requirements on projects. Students are introduced to construction contracts and the key contractual provisions, liabilities and responsibilities imposed on parties to these contracts. Property law focuses on the transfer and acquisition of property, property titles, estates and interests in land. Agency, employment and insurance law are also addressed. The subject also provides students with a foundation in legal research and referencing.

Typical availability

Spring semester, City campus

16468 Introduction to the Built Environment

6cp
Undergraduate

This subject provides an introduction to the property market and valuation and the property development process in the built environment. The role and regulation of the various property development professionals are explored with a focus on the role of property valuers and developers, contractors, designers, engineers, project managers, construction managers, quantity surveyors and other project consultants. Students are given an overview of the nature and structure of the property/construction industry and the main issues and challenges facing the industry. Property appraisal processes, including valuation methods and investment analyses, are covered at an introductory level. Students are introduced to the main forms of documentation used in the industry. The fundamentals of report writing, academic writing and professional communication are also incorporated in the subject.

Typical availability

Autumn semester, City campus

16469 Professional Practice

6cp

Requisite(s): ((16123 Introduction to Property OR 16136 Introduction to the Built Environment OR 16468 Introduction to the Built Environment)) AND ()

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate

This subject defines the liabilities of design, construction and property professionals. Contractual problems, ethics and issues in the construction/property industry are examined through the use of legal case studies. Legal research, professional codes and conduct and ethical behaviour are a central focus of this subject. Social responsibility and professional ethics for design, construction and property professionals provide a well-rounded foundation for practice in these disciplines. Approaches to ethical thought, including historical and cultural precedents, provide an evolutionary perspective of this subject.

Typical availability

Spring semester, City campus

16470 Digital Design and Construction 2

6cp

Requisite(s): 16212 Digital Design and Construction 1 AND 16913 Time and Quality Management

Undergraduate

This subject examines the practical application of Building Information Modelling (BIM) technologies and processes for the development and delivery of construction projects. The role of the project manager, contractor and the design team in the development and use of building information models is explored in detail. This includes the effective management and control of information contained in discipline-specific 3D models, taking an in-depth look at tools and methods used during the pre-construction and construction phases for construction process planning. Students develop an in-depth understanding of 4D simulation of the planned construction process, visualisation and animation. The subject also examines the issues and problems that are inhibiting the widespread application of timelining and 4D simulation technologies in the industry. Students are presented with the future development of BIM technologies for construction. The impacts that these developments are having on industry are also discussed.

Typical availability

Autumn semester, City campus

16471 Integrated Services

6cp

This subject explores the typical services associated with modern commercial construction projects. The subject covers topic areas such as energy systems (electrical, gas, solar), mechanical systems (HVAC), hydraulic services (water, drainage, plumbing), fire services, vertical transportation (lifts/escalators), communication systems (telecommunications and IT), security systems, environmental systems and 'intelligent building' concepts. This subject identifies the design requirements for each of the services. A holistic examination of services is undertaken through a review of the management of integrating services into a commercial building project.

16631 Construction and Development Process

6cp

For further details, contact UTS: Design, Architecture and Building.

16632 Built Environment Law and Professional Practice

6cp

For further details, contact UTS: Design, Architecture and Building.

16633 Macroeconomics for Property

6cp

For further details, contact UTS: Design, Architecture and Building.

16634 Financial Analysis

6cp

For further details, contact UTS: Design, Architecture and Building.

16641 Property Rights and Landlord Tenant Law

6cp

For further details, contact UTS: Design, Architecture and Building.

16642 Property Investment and Valuation

6cp

For further details, contact UTS: Design, Architecture and Building.

16643 Property Market Research and Analysis

6cp

For further details, contact UTS: Design, Architecture and Building.

16655 Property Finance

6cp

For further details, contact UTS: Design, Architecture and Building.

16656 Sustainable Construction and Development Management

6cp

For further details, contact UTS: Design, Architecture and Building.

16657 Property Investment and Portfolio Management

6cp

For further details, contact UTS: Design, Architecture and Building.

16658 Valuing Projects

6cp

For further details, contact UTS: Design, Architecture and Building.

16660 Honours Research Proposal

6cp

Undergraduate

This subject explores the principles and approaches for doing research and prepares the students to develop their Honours research proposal.

Typical availability

Autumn semester, City campus

16671 Honours Research 4

6cp

For further details, contact UTS: Design, Architecture and Building.

16672 Property Marketing

6cp

For further details, contact UTS: Design, Architecture and Building.

16673 Property Corporations

6cp

For further details, contact UTS: Design, Architecture and Building.

16674 Independent Study in Valuation and Law

6cp

For further details, contact UTS: Design, Architecture and Building.

16675 Asset Management

6cp

For further details, contact UTS: Design, Architecture and Building.

16676 Property Risk Analysis

6cp

For further details, contact UTS: Design, Architecture and Building.

16677 Property Investment Vehicles

6cp

For further details, contact UTS: Design, Architecture and Building.

16678 Independent Study in Finance and Investment

6cp

For further details, contact UTS: Design, Architecture and Building.

16679 Independent Study in Development Planning

6cp
For further details, contact UTS: Design, Architecture and Building.

16900 Construction for Developing Communities

6cp
Undergraduate

This subject offers students the opportunity to experience the process of the design and construction of residential or small scale developments in developing communities. It involves students in the planning and construction of residential or small buildings in disadvantaged communities either within or outside Australia. The subject is project based and includes instruction on both the customs and culture of the relevant community and the construction methods relevant to that community. The main focus of the subject is an on-site residential workshop where students participate in construction teams working on real community projects.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Winter session, City campus

16904 Building Research 1

6cp
Undergraduate

This subject teaches students to identify and locate sources of building and construction information, and allows them to develop advanced research techniques. Topics covered include the implementation of electronic information retrieval techniques, library and Internet searching, accessing online databases and other resources, referencing skills and research methodology. Students are required to undertake a meaningful review of literature on a nominated topic related to the construction industry.

16905 Building Research 2

6cp
Requisite(s): 16904 Building Research 1
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject builds on the research skills developed in 16904 Building Research 1. Students learn to set appropriate research aims and objectives and to formulate a research hypothesis. The subject allows students to develop data collection skills, including original data collection on a nominated topic, survey design, methods of statistical analysis and interpretation and an understanding of data collection procedures and protocols.

Typical availability

Autumn semester, City campus

16906 Thesis Construction Management

12cp
Requisite(s): 16904 Building Research 1 AND 16905 Building Research 2
There are also course requisites for this subject. See access conditions.
Undergraduate

The Honours thesis subject requires students to prepare and submit a major dissertation, involving the detailed analysis, critique and write-up of an original investigation into a topic related to construction management, construction economics or project management. Students build on their previously completed literature review and expand that research through the analysis of original data collected in 16905 Building Research 2.

16910 Project Management 1

6cp
Undergraduate

This subject is an introduction to the discipline of project management, covering in brief the concepts of project integration, scope, time, cost, quality, human resources, communications, risk, and procurement management. Lectures are delivered in a generic manner with specific tutorials relating to the discipline of individual students.

Typical availability

Spring semester, City campus

16912 Site Management

6cp; weekly, on campus, 2hr lecture and tutorials supplemented by group work and online learning
Requisite(s): 16204 Construction Technology 2 OR 16265 Construction Technology 2
Undergraduate

This subject introduces students to the discipline of construction project management with a focus on the management of construction site activities and operations. The subject commences with an overview of the fundamentals of project management and the Project Management Body of Knowledge (PMBOK). This is then applied to the principles and procedures for construction site management. Areas covered include site planning, materials handling, quality management, occupational health and safety, industrial relations, subcontractor management, cost management, time management, human resource management and contract administration.

Typical availability

Autumn semester, City campus

16913 Time and Quality Management

6cp
Requisite(s): 16912 Construction Management 1 Site Management
Undergraduate

This subject examines time and quality management on construction projects. The subject commences with an overview of project planning, executing, controlling and closing processes and then examines construction programming and planning techniques in detail. This includes site planning, the development of work breakdown structures (WBS) and detailed resource and activity scheduling. Quality management systems and procedures are investigated and explored. Sub-contractor management forms an important thread through this subject as it is sub-contractors who carry out the vast majority of construction work. This includes attention to concepts such as quality control, quality assurance, total quality management and lean construction. The subject concludes with leading edge industry research and practices for productivity enhancement on projects such as BIM (Building Information Modeling) concepts, constructability studies, virtual construction and 4D simulation.

Typical availability

Spring semester, City campus

16914 Human Resources and Communications Management

6cp
Requisite(s): 16912 Site Management
Undergraduate

This subject explores the human side of construction project management. It commences with organisation theory and planning and progresses to human resource strategies, personnel management, staff acquisition and performance management. This is then linked to effective client management and communication and the marketing of services to potential clients. Industrial relations on construction projects is then examined in detail. Project communications are extended to include the principles and practical application of effective negotiation and conflict management on projects. Students are guided through the development of a framework to effectively manage these areas.

Typical availability

Spring semester, City campus

16918 Risk Management

6cp

This subject examines risk management generally but with a focus on project risk management. It covers the main techniques and methods used for risk identification, evaluation and response and relates these to the risks typically faced by project participants. The subject presents risk management as a positive process that should be intertwined with the identification and realisation of opportunities. Risk identification examines the various risks inherent in projects such as financial risk, environmental risk, estimating risk, schedule risk and safety risk. Various methodologies are introduced for the qualitative and quantitative assessment of these risks. Risk response

and treatment and issues such as risk sharing and transfer between clients and project participants are examined. Methods of monitoring and controlling risks are then explored. The subject culminates with the development of risk management plans for projects.

Typical availability

Spring semester, City campus

16919 Project Strategy and Leadership

6cp

This subject covers strategic approaches to construction project delivery and the leadership requirements for not only construction projects but the construction industry generally. The construction industry is increasingly facing social, economic and environmental challenges that require leaders that can inspire and affect real change. The subject explores the difference between management and leadership and examines how the 'softer' leadership skills such as strategic vision, communication skills, charisma, personality and business understanding can be integrated with project and business strategies to improve both project and business performance. This includes strategic approaches to negotiation and dispute resolution. The characteristics of major industry and world leaders are explored and analysed in terms of their applicability to the construction industry. The importance of cross-cultural skills in a global project environment is also covered. Students are introduced to the concept of organisational project management (OPM) which aligns project deliverables with strategy.

16920 Value Management

6cp

For subject description contact UTS: Design, Architecture and Building.

16921 Lean Construction

6cp

For subject description contact UTS: Design, Architecture and Building.

16991 Property Economic Issues

6cp

Undergraduate

This subject allows students to extend their breadth of knowledge and understanding of current and future major economic issues. The issues are viewed from a macro and micro perspective, i.e. from a national and property industry outlook. Issues examined during the course of the subject include key demographic changes; immigration; urban labour force; housing; urban transport; quality of life; privatisation; and globalisation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

16992 Planning and Political Economy

6cp

Undergraduate

This subject includes an advanced study of the political economy of property with a focus on the relationship between planning, property value and national economic and social goals. Concepts including betterment, the common good and property are investigated with their ethical implications, and various resolutions of the problem of property are critically appraised.

Typical availability

Spring semester, City campus

171200 Conservation and Heritage

6cp

Postgraduate

This subject is centred on the development of sites of heritage significance, including both statutory and strategic planning issues and practice, and alternative solutions and approaches to the development of historic buildings and precincts. It also covers the evaluation of the statutory and community processes involved in heritage issues.

Typical availability

Autumn semester, City campus

17121 Native Title

6cp

Postgraduate

Land rights history and the Mabo decision are the topics covered in this subject, as well as the Native Title Act 1993 and the Indigenous Land Fund, alternative approaches to land claims and management, and interface between stakeholders and current land management controls.

17122 Environmentally Sustainable Development

6cp

Postgraduate

Topics for detailed study are selected from the following: cultural, political and financial influences underpinning and guiding the built environment in relation to the ecology and sustainability. The subject covers effective planning and design processes and systems; historical and philosophical origins of the modern environmental movement; the history and nature of environmental legislation; the role of authorities and planning instruments in relation to environmental assessment and planning; sustainability and city planning; traffic, waste and water management; building design for sustainability; environmental economics; environmentally responsible development and life cycle costs; environmental risk management; the environmental audit process; environmental management planning; and application to a real development project.

17518 Advanced Property Development

6cp

Requisite(s): 15142 Property Development Process

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

In this subject, students progressively explore the process of development from inception to occupation and redevelopment of complex commercial, industrial, and non-residential property. The subject covers land acquisition, highest and best use appraisal, feasibility and approval, procurement and contract administration, marketing and promotion and leasing of the development through an understanding of best practice procedures and legislative policy controls. Maintenance management strategies and principles are also discussed. Information about international and sustainability issues affecting different property developments are also discussed. Information is provided in textual and graphical form.

Typical availability

Autumn semester, City campus

17519 Property Research Methods

6cp

Postgraduate

Research methods: students study the research process, research and questionnaire design, sampling, estimation and sample size, and their application to property situations.

Statistical methodology: students study elementary statistical analysis with emphasis on non-parametric statistics. Theory generation and review of relevant property research literature are also covered. Students are given an introduction to relevant statistical computer packages.

Typical availability

Spring semester, City campus

17551 Property Market and Risk Analysis

6cp

Postgraduate

This subject provides a study of property markets and their characteristics. It analyses the structure and key determinants of property markets, provides an understanding of property cycles, and examines risk analysis techniques applicable to real estate market analysis.

Typical availability

Autumn semester, City campus

17552 Property Asset Management

6cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Spring semester, City campus

17553 Construction Cost Planning

6cp

Postgraduate

This subject includes an examination of cost planning and cost management of development projects including budgeting, preliminary estimating, pricing of construction work, elemental cost planning and techniques for managing cost during design development and construction. It also considers costs-in-use, occupancy costs, functional costs analysis, and the nature of costs over time and the use of historical cost data for forward planning.

Typical availability

Spring semester, City campus

17554 Urban Simulation

6cp

Postgraduate

This subject introduces students to the tools needed and methods used to analyse and visualise spatial data. Particular emphasis is given to the analysis of large data-sets relevant to those in property development, urban economics and planning. Tools to which students are introduced change with technology, but currently include programs such as ArcGIS, MapInfo, Google Earth and AutoCAD.

Typical availability

Autumn semester, City campus

17555 Complexity and Spatial Analysis

6cp

Postgraduate

This subject introduces students to the science of complex systems, with a specific focus on using that science to better understand cities and urban processes. Issues include: Are cities in equilibrium? Do cities change gradually and predictably? Do small changes to prices, infrastructure and resident/firm behaviour cause only small effects?

The answer to these questions is assumed, implicitly, to be 'yes' by most classical economic and financial models. Recognising that cities are complex, far-from-equilibrium systems with components that interact at different spatial and temporal scales requires the adoption of a new set of mental tools.

Typical availability

Spring semester, City campus

17700 Planning and Environmental Law

6cp

Postgraduate

This subject introduces students to property and environmental law. It includes the structure and operation of the NSW planning system, the legal processes of making plans and planning controls, the application of planning controls to development, the nature and application of environmental controls to development, and a comparative overview of planning law and systems across Australian states.

Typical availability

Autumn semester, City campus

Spring semester, City campus

17701 Environment and Control

6cp

Postgraduate

This subject covers the following topics: property development and statutory control processes, including both statutory and strategic planning issues and practice; alternative solutions and approaches to environmental issues and sustainable development; community consultation and dispute resolution; and communication of strategic advice to stakeholders on environmental issues.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

17703 Property Taxation

6cp

Postgraduate

This subject involves the analysis of various forms of taxation relating to property holdings and property investment; income tax, capital gains tax, depreciation allowances, land tax and stamp duties; taxation of trusts; negative gearing and alternative forms of taxation and their likely impacts on the property industry.

Typical availability

Autumn semester, City campus

17704 Property Development Finance

6cp

Requisite(s): 15142 Property Development Process AND 12535c Development Feasibility and Valuation

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject covers sources and types of finance available for various property developments; debt versus equity; specialised financing techniques, including hybrids, long-term and offshore finance; project finance; and evaluation techniques and risk management.

Typical availability

Spring semester, City campus

17716 Research Project 1

9cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Spring semester, City campus

17717 Research Project 2

9cp

For further details, contact UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

17771 Valuation Methodology

6cp

Postgraduate

In this subject, students study general accounting principles; capital budgeting techniques; discounted cash-flow analysis; risk analysis techniques; interest rate theory and discount rates; traditional and contemporary principles and methods of valuation, advanced capitalisation and other valuation methods; valuation of different classes of property; and sources of finance. A basic knowledge of a spreadsheet program such as Microsoft Excel is assumed. Students need to bring a financial calculator to class.

17772 Commercial Retail Property Management

6cp; block

Postgraduate

The subject provides students with an in-depth understanding of property management principles, issues and processes and the lease administration of commercial and retail property. Property management plays an important role in all stages of a commercial performance, both prior to and after the disposal of the development. Property managers are responsible for generating and monitoring of income, and their role has evolved into a diverse and complex one that requires technical understanding of industry practices and the relevant legislation that govern it.

Typical availability

Spring semester, City campus

17774 Green Building Evaluation

6cp; block
Postgraduate

This subject gives students a deeper knowledge of sustainable development and its relationship to the built environment. It gives an understanding in the domain of green developments, commercial opportunities and political realities. The subject covers green rating tools and their impacts for the property industry both locally and internationally. Class exercises run in the computer lab working on the green rating tools. Green rating tools include BREEAM, SBTool, GreenStar, BASIX, LEED, etc.

Typical availability

Spring semester, City campus

17775 Land Acquisition Statutory Valuation and Litigation

6cp
Requisite(s): 12535 Development Feasibility and Valuation
Recommended studies: Introduction to Property and Planning 12142 and Valuation Application 15235
Postgraduate

This subject addresses the acquisition of land for economic development and the provision of infrastructure. It equips students with the ability to assess, prepare and defend statutory valuations used for land acquisition, rating and taxing purposes and statutory charges in the development process. The subject is designed to cover the preparation of instructions, statements of evidence and the presentation and delivery of expert evidence.

Typical availability

Spring semester, City campus

17900 PhD Thesis: Built Environment

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

18723 Research Dissertation 1 (DAB)

24cp

For subject description, contact UTS: Design, Architecture and Building.

18724 Research Dissertation 2 (DAB)

24cp
Requisite(s): 18723 Research Dissertation 1 (DAB)
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Design, Architecture and Building.

20100 Integrating Business Perspectives

6cp

The subject contributes to the Bachelor of Business by providing students with an introduction to the dynamic nature of business. It exposes students to the many perspectives of the role of business in the economy and the interrelationship of the various business functions. Through examples of 'wicked problems', students are encouraged to think through contemporary business issues and the social, ethical, legal and technical implications these may pose for operating in a dynamic business environment. Students develop written, oral and team work skills in tasks which also develop innovative and creative thinking skills.

20101 Management Skills

6cp
Undergraduate

This subject aims to equip students with the theoretical underpinnings and practical tools necessary to increase proficiency in a number of management and communication skills areas. Specifically, the subject provides students with the opportunity to engage in active participation, personal reflection, experimentation and practice. It is based on the premise that we ourselves are responsible for the outcomes in our lives and that non-judgmental self-awareness and acceptance is fundamental to personal development. To this end, there is a strong focus on experiential learning and the role of individual and team reflection.

20102 The Global Context of Management

6cp

As a core subject in the management, human resource management and international business majors, this subject is designed to give students a broad overview of the complexity of the global business environment. Student gain an understanding of how the global context of the business environment impacts upon managerial processes. Understanding business in context engages students to appreciate the interrelationships between global business and the environmental, social, technical, legal and regulatory frameworks that influence business operations. Students are encouraged to explore examples of the ethical dilemmas managers encounter operating within this context through problem-based learning activities where they develop essential global management capabilities.

20103 Global Operations and Supply Chain Management

6cp

This subject builds on the business knowledge taught in the core subject Integrating Business Perspectives and provides students studying in the Management, Human Resource Management and International Business majors with an opportunity to develop their understanding of sustainable business operations and global supply chain management from a systems perspective. Through a blended process of experiential, engaging and reflective learning, this subject further assures problem-based learning skills, added with the ability to manage the development of higher order capabilities for addressing complex operational issues in a real business context.

20104 Human Resource Management

6cp
Undergraduate

This subject is designed to give students an understanding of human resource management (HRM) by examining the structures and processes of HRM from the points of view of the employer, employee, government and other stakeholders. It examines the relationship between human resources practices and organisational strategy, and utilises the flow model concept to introduce some of the key processes of people management, which are treated at theoretical and skills levels. The subject aims to provide an introduction to the formal employment relationship, the relevant legislation and practical application of competencies in order to establish a fundamental basis of HRM.

20105 Innovation and Entrepreneurship

6cp
Undergraduate

The aim of this conceptual and decision-making subject is to provide students with the competencies and skills necessary for understanding, implementing and then managing the entrepreneurial innovation process within a highly competitive global environment.

Entrepreneurship/intrapreneurship is more than the mere creation of a new business. Seeking opportunity, taking risks and having the tenacity to push ideas into reality are special characteristics that permeate entrepreneurial individuals. Entrepreneurship is an integrated concept that has revolutionised the way business is conducted. Students are required to study how winning entrepreneurs think, act and perform.

20106 Management Capstone

6cp
Requisite(s): 20101 Management Skills AND Two subjects from 20102, 20103, 20104, 20105
There are also course requisites for this subject. See access conditions.

This subject is regarded as a crowning achievement and consolidates the knowledge that has been learnt in the major as well as integrates the core disciplines in a holistic manner. The subject provides students with opportunities to apply the knowledge and skills developed before and during their final year of undergraduate study. Students gain transferable skills with research application including presentation, research process and team-working skills. Students produce submissions to relevant authorities, professional bodies and the wider academic community through a formal presentation. The subject engages students in ethical and sustainability issues at the same time giving them experience of some of the practical aspects of management, highlighting how various business disciplines contribute to their professional knowledge.

20107 Sustainable Enterprise

6cp
Undergraduate

This subject considers one of the most pressing issues for business in the 21st century: the increasing importance of civic governance and the rising awareness of the earth's limits. The subject critically analyses and examines the social and ecological assumptions that underpin commercial activities in contemporary society, and reviews the current global performance of business in terms of human and ecological sustainability. The subject provides students with opportunities to expand their personal horizons and develop understanding of both aspects of sustainability. There is an introduction to how a sustainable enterprise might operate at three different levels: individual, organisational and societal. A number of different frameworks for considering sustainability are introduced, and students are given a range of practical methods for improving corporate performance and measurement in the three key areas of economic, social and ecological reform.

20200 Financial Statement Analysis and Valuation

6cp
Undergraduate

The aim of this subject is to demonstrate and apply a framework for business analysis and valuation using financial statement data. The emphasis is on translating the tools of business analysis and valuation into practical situations. To achieve this, the subject is relatively case-intensive, with this method used to develop key skills as well as demonstrate their application. The subject is intended for students interested in business consulting, investment banking, business analysis and corporate lending. Given the increasing trend towards a business analysis-based approach to auditing and assurance services, it is also relevant to those interested in public accounting.

20201 Understanding Financial Reports Prepared under IFRS

6cp
Requisite(s): 22207 Accounting for Business Decisions B
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides the foundation for understanding international financial reporting standards (IFRS) and the ability to critically evaluate corporate financial reports. It considers the financial reporting environment and factors influencing the forms of financial reporting, and addresses a range of accounting issues from within a contracting cost framework.

20300 International Trade and Investment

6cp
Requisite(s): 23115 Economics for Business
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to models, frameworks and issues in international trade theory and policy including analytical tools for evaluating the welfare and income distributional consequences of various trade policies. These tools have application not only in academic research but also business and government decision making. The subject covers the main theories of international trade, the impact of trade on economic growth, determination of foreign exchange rates, multilateral trading systems and institutions, regional trade and cooperative agreements and the effects of trade policy interventions such as tariffs, quotas, and subsidies.

20400 International Marketing

6cp
Requisite(s): 24108 Marketing Foundations
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides students with contemporary theoretical international marketing knowledge and the practical skills required for effective marketing management performance in a global environment. It deals initially with the conceptual and environmental aspects of international marketing. Using this knowledge, issues associated with developing practical marketing strategies appropriate to different world markets are then considered in detail.

20500 Financial Valuation and Strategy

6cp
Undergraduate

This subject develops an understanding of the relationship between financial information and multinational corporate strategic decisions. Analytical skills using financial tools are integrated with economic fundamentals to aid in decisions involving cross-border operations and performance evaluation. This subject encourages a broad perspective by focusing on financial implications of decisions.

20501 International Financial Management

6cp
Undergraduate

The subject provides students with a general understanding of the financial management aspects of international business as well as the international financial system. It builds on learning outcomes from economics, finance and quantitative methods to provide students with a capability to undertake international finance case studies.

20502 International Banking Management

6cp
Undergraduate

This subject teaches the fundamentals of managing a financial institution in an international context. The principles are applied in the context of banks, but have a wider relevance to the management of non-bank financial institutions. The structure of the financial system and problems posed by managing financial institutions in today's environment are studied. Students also assess the performance of financial institutions from a creditors, investors and regulators' viewpoint. The principles of asset liability management, capital and foreign exchange risk management are studied in response to a changing environment in prudential supervision and the important of the ending function. The subject topics include: banking risks, performance evaluation, capital adequacy, the formulation of loan policy, loan pricing, project finance, country risk analysis, trade and international finance.

20503 Investment Analysis and Risk Management

6cp
Requisite(s): 25300 Fundamentals of Business Finance
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject develops a set of tools for making investment and risk management decisions. It introduces the pricing of financial securities and derivatives and provides a foundation for analysing risk and return of financial assets. The topics covered include risk and risk aversion, portfolio optimisation, the pricing of equities, bonds, and derivative contracts. Students learn to use derivative contracts to manage investment risks.

20600 Collaborative Business Processes

6cp
Undergraduate

The subject describes ways to organise collaborative business processes to facilitate knowledge sharing and innovation within and across business units. Its focus is on teamwork, which has become an ever more important aspect of carrying out tasks as well as building knowledge and expertise within organisations. Ways of organising teams for different business objectives are covered. In addition, virtual teams collaborating across vast distances are using internet technologies to support their work. The subject introduces the ways in which teams function in modern organisations, how businesses can change to support culturally diverse teams, and how systems can enable effective team operation. It focuses on improving the ways people work together, developing trust and designing teams.

20601 Information System Development Methodologies

6cp
Recommended studies: knowledge of the software development life-cycle and systems modelling techniques
Undergraduate

Successfully designing and developing information systems is complex and difficult. A number of techniques and approaches have been developed but there are no 'silver bullet' solutions to the problems that plague IT development projects. This subject introduces students to a number of different methodologies and provides them

with the skills they need to identify their strengths and weaknesses in key areas. These issues are of critical importance to those wishing to successfully manage software projects.

21008 Management Consulting

6cp
Postgraduate

This subject introduces students to the nature and characteristics of the consulting industry and the value creation activities of management consultants. It then examines how management consultants conduct business analysis of enterprises, including assessment of business strategies, processes and systems. It considers methods of consultancy project design and management, and different performance measures. Finally, the subject takes a critical look at responsibilities and ethics of consultancy contract management including project costing, scheduling and reporting.

21011 Managing Consulting

6cp
Postgraduate

Through the development of a client-based project, this subject examines the way management consultants analyse enterprises, including assessment of business strategies, processes, and systems. Through practice-based learning it provides opportunities to explore different approaches to business consulting, encompassing new business ventures, not-for-profit organisations, joint ventures and strategic alliances, mergers, and innovation in business models. It considers methods of consultancy, project design and management, and measures of success. Finally, the subject takes a critical look at the responsibilities and ethics of consultancy contract management including project costing, scheduling and reporting.

21012 Governance and Sustainability

6cp
Postgraduate

The subject employs a stakeholder management perspective to analyse organisational strategies, values and operations that facilitate the development of sustainable, high-performing organisations, as well as enabling a balance between enterprise, society and the ecosphere. The subject focuses on how organisations develop a 'licence to operate and grow' through their relations with employees, wider society and the natural environment, developing skills in critical analysis, risk evaluation and management, scenario planning and stakeholder dialogue.

21036 Managing Strategic Performance

6cp
Undergraduate

This subject introduces students to the theory and practices utilised to manage the performance of employees in profit and not-for-profit organisations. It establishes the nature and function of the various components of a strategic performance management system and practices (such as 360 performance, pay-for-performance, etc.). It also exposes students to performance management skills and considers the future direction of strategic performance management.

21037 Managing Employee Relations

6cp
Undergraduate

This subject introduces students to the challenges affecting the regulation of employment in a decentralised environment. It aims to help students understand the new legal and regulatory environment under which Australia operates. Students develop practical negotiation and advocacy skills required in employment relations. The employment relationship is studied in terms of the influence of social, economic, political and legal environment and the power resources of the key institutional parties and others who seek to influence employment.

21040 Advocacy and Social Change

6cp
Undergraduate

This subject covers theories as they relate to advocacy and activism and engages students in a project to assist community organisations that have a need for developing advocacy and communication strategies and tactics by developing a tailored advocacy strategy. It locates activists through their shared experience and explores strategies for effective advocacy. To do this the subject covers topics such as community organisations and social and political change (including theories as they relate to civil society and collective action), the theory and practice of strategic communication for community organisations, advocacy strategies and campaigning (including examination of case studies of successful campaigns), the relationship between government funding and capacity to advocate, the relationship between individual and systemic advocacy, and institutional and non-institutional forms of advocacy in the indigenous rights movement.

21041 Australian Indigenous Social and Political Development

6cp; block (3 x one-day sessions)
Undergraduate

This subject assists students to develop and review their understanding of Australian Indigenous culture and society in the context of social and political developments.

21042 Australian Indigenous Studies Research Project

6cp; block (3 x one-day sessions)
Undergraduate

This subject provides an opportunity for students to carry out a major project in Aboriginal studies under the supervision of a member of academic staff, either in groups or individually. Students negotiate the project through a learning contract.

21043 Australian Indigenous Studies

6cp; block (3 x one-day sessions)
Undergraduate

This subject assists students to identify, learn and develop strategies for understanding Australian Indigenous cultures and communities in order to enhance and support professional conduct and service in community management and development settings. It introduces participants to Australian Indigenous culture and business; and shows how Australian Indigenous cultures are represented in response to market demands with a comparative analysis of the response by Indigenous organisations and enterprise to culture, business and enterprise development.

21044 Strategic Management of Nonprofit Organisations

6cp
Undergraduate

This subject introduces students to strategic management in community (nonprofit) Indigenous organisations and provides the opportunity for students to reflect on, extend, and integrate their knowledge of community management gained from preceding subjects in the course. It also explores critical issues currently impacting on the sector, and appropriate strategic responses to those issues. It encourages a strategic perspective on the management of organisations and an ability to apply that perspective within community organisations.

21045 Career Development in Indigenous Community Management

6cp

This subject helps students review their learning, and plan career paths both for themselves and for people they manage or supervise. This is an important subject; career paths in the community sector are often unclear and overlooked as they cross over sector boundaries within the government and business sectors. The subject provides the theoretical and practical frameworks for students to integrate their credentialed and uncredentialed learning into a cohesive portfolio that positions them optimally for career choices in the sector. It enables them to identify gaps in their repertoire of knowledge and skills, gaps that can be addressed through career planning.

21058 Management Project

6cp
Undergraduate

This subject provides students who have undertaken the Management major and a sub-major in Employment Relations, International Management, Strategic Management or Small and Medium Enterprise Management with the opportunity to apply the knowledge and skills acquired in these subjects to a management research project in the area of their sub-major specialisation. It further develops understanding of management research methodologies and provides the necessary skills to design, conduct and report on the project both orally and in writing.

21082 Small and Medium Enterprise Management

6cp
Undergraduate

This subject creates knowledge and analytical skills through applied research and involvement in the process of managing a small and medium enterprise venture in the contemporary business environment. Students collaborate with selected industry practitioners on an industry-based research project. This enables students to acquire the basic competencies necessary for entry into a career in new venture/small and medium business management. Students learn to appreciate the major ingredients in small and medium enterprise success, and the special problems small and medium enterprises may encounter.

21126 Capstone Project in Business Planning

6cp
Undergraduate

This is a core subject in the 'Innovation' degrees and provides a linking function to the four Technology Innovation and Science Specialisations. It draws together the two key themes of innovation and entrepreneurship as they are developed and practiced within the respective specialisations. It provides an applied context for integrating business and disciplinary skills and competencies in the creation, initiation, implementation and operation of a range of science, bio-engineering, engineering, and information technology-related business innovations. Students work in small teams located in situ with host companies to produce a business plan for the commercialisation of a scientific or technical idea or venture, which is assessed by experts in the respective fields of application. Students develop innovative, entrepreneurial, communicative and interpersonal skills in obtaining expert advice from scientists, engineers, designers, business people and venture-capitalists in the development of their business plans.

21129 Managing People and Organisations

6cp
Requisite(s): 26100c Integrating Business Perspectives
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to the fundamentals of management and organisational behaviour in the context of today's contemporary global business environment. It examines the major theories and models in areas of communication, group dynamics, individual behaviour and motivation, decision-making, leadership, power and politics, and ethics and social responsibility. It places particular emphasis on the application of theory to dilemmas and issues likely to confront managers today and in the future.

21134 Introduction to Community Management

6cp
Undergraduate

This subject introduces the basic features of non-profit organisations, and develops a foundation for students to develop skills in effectively organising and managing aspects of a non-profit organisation. It examines the requirements of establishing an organisation, the principles underlying the voluntary management structure of non-profit organisations, the range of types of non-profits, and their relationship to the community.

21136 Resource Management in Nonprofit Organisations

6cp
Undergraduate

The focus of this subject is on the practical skills and knowledge required for the basic management of financial resources in Indigenous community organisations. As such, it makes a major contribution to the following course objectives:

- to develop transferable skills to influence organisations and management decisions and processes across the Indigenous community
- to demonstrate work-ready knowledge, technological competencies and values for Indigenous community organisational management and developmental settings.

The subject also covers ethical and legal considerations relevant to resource management in Indigenous community organisations and society.

21140 Monitoring Organisational Performance

6cp
Undergraduate

This subject assists students in developing competence in monitoring organisational performance on a number of levels. It incorporates a critical analysis of current theories of organisational performance, examining the difficulties of measuring the performance of organisations providing human services, the tools and technologies for evaluating and improving the performance of non-profit organisations, and the use of evaluation data for performance improvement.

21143 Current Issues in the Community Sector

6cp
Undergraduate

This subject provides an opportunity for students to keep up-to-date with current issues, and to apply the theoretical frameworks already gained to systemic problems and concerns. Through regular seminars, students explore the social, political and economic issues affecting the operation of community organisations.

21183 Funds Development

6cp
Undergraduate

This subject introduces the variety of revenue sources utilised by third-sector organisations and the variety of methods that are used to tap these resources. Particular attention is given to fundraising from individuals and corporations, but the emphasis is on effectively managing a whole variety of funding resources.

21184 Government and Community Sector

6cp
Undergraduate

This subject familiarises students with the ways governments operate, and relations between community organisations and governments are constructed and conducted.

21185 Social Change and Community Practice

6cp
Undergraduate

This subject critically appraises the contributions that community organisations and their programs and activities make to personal and societal transformation in the current social, political, and economic context. The connection of principles drawn from social and political theory to the practice of community organisations is discussed. Students explore these links, and develop specific skills in the organisational practice of strategic planning and program development as they undertake individual and group projects.

21211 Indigenous Community Organisation Practicum

6cp
Undergraduate

This subject provides an opportunity for students to apply previous learning in the course in the context of a specific indigenous community organisation different from that in which they work or are involved. Through designing, organising and participating in an observational placement within an indigenous community organisation, students are exposed to the specific organisational, social, political, economic and cultural issues affecting the operation of that organisation. Students are required to identify a particular area of community organisation practice as the focus of their placement based on previous work completed in the course and prepare a report and presentation in order to share their observations and insights with other students in the subject.

21221 Organisational Structure and Change

6cp
Requisite(s): 21129 Managing People and Organisations OR 22157 Australian Corporate Environment OR 48260 Engineering Project Management OR 16910 Project Management 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject considers the various structural forms that organisations may take and the pressures which led to their adoption. It covers the strengths and weaknesses, as well as the management challenges,

of running each form. Various change models are examined, and the interaction of the organisational change process with the forces driving change is considered. The impact of internationalisation and current organisational design issues are discussed.

21223 Social Analysis and Indigenous Community Organisations

6cp
Undergraduate

This subject introduces a conceptual framework for examining the historical and current social context of policy development in regards to Indigenous people in Australia. It explores the role of Indigenous organisations in responding to social policy.

Typical availability

Autumn semester, City campus

21224 Indigenous Community Research

6cp
Undergraduate

This subject provides a foundation in basic research and evaluation skills as they can be applied in Indigenous community organisations. It introduces students to basic research skills which they may be able to use in a variety of ways, such as carrying out a community needs analysis, evaluating the performance of their organisation, conducting action research, assessing the community's response to the service, and undertaking research into community issues. Students are encouraged to evaluate and modify techniques for use in Indigenous communities.

21225 Managing Human Resources in Indigenous Organisations

6cp
Undergraduate

This subject introduces the basic principles of personnel management and industrial relations and explores their applicability and application in Indigenous organisations. It explores the unique features of community management and the roles and personnel practices in relation to paid staff and volunteers. It examines recruitment, selection, staff development principles, industrial conditions and resolving industrial disputes.

21227 Innovation and Entrepreneurship

6cp
Undergraduate

The aim of this conceptual and decision-making subject is to provide students with the competencies and skills necessary for understanding, implementing and then managing the entrepreneurial innovation process within a highly competitive global environment. Entrepreneurship/intrapreneurship is more than the mere creation of a new business. Seeking opportunity, taking risks and having the tenacity to push ideas into reality are special characteristics that permeate entrepreneurial individuals. Entrepreneurship is an integrated concept that has revolutionised the way business is conducted. Students are required to study how winning entrepreneurs think, act and perform.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

21228 Management Consulting

6cp
Undergraduate

This subject introduces students to the nature and characteristics of the consulting industry, major practice areas in consulting and the value creation activities of management consultants. It discusses the main success factors of consulting. It also considers methods of consultancy project design and management, and integrative problem-solving applying the principles of design thinking and different performance measures. Finally, the subject takes a critical look at the responsibilities and ethics of consultancy contract management. Note: This subject requires students to have completed the majority of their subjects and it should be taken towards the end of their degrees.

21229 Management Knowledge

6cp
Undergraduate

The basis for the global momentum of implementing knowledge management is the need to understand the real value of knowledge, to create new management philosophies, standards and practices and to establish new models of success. The subject examines the movement away from the traditional paradigm of 'hoarding knowledge' to a structured approach, which creates the incentive for sharing knowledge and establishes a knowledge management framework. Students are introduced to management initiatives of implementation, technology strategies, planning organisational transformation and a general understanding of the future environment for managing knowledge within the organisation.

21407 Strategic Human Resource Management

6cp
Undergraduate

This subject focuses on the strategic nature of human resource management (HRM) functions within various organisations and builds on general issues first raised in 21306 Employment Relations in the Global Context. It develops an appreciation of critical HRM issues through an exploration of conceptual issues such as alternative ways of viewing the HRM field, how HRM should relate to changes in the organisational environment, and the relationships between organisation strategy and HRM functions. The underlying concept considered in this subject is how an organisation in a changing environment can best manage its human resources in such a way as to provide long-term benefits to the organisation.

21440 Management Skills

6cp
Undergraduate

The behaviour of people at work can best be understood not by focusing on individuals, but by examining the way in which groups and organisations are incorporated in an individual's mind. This subject is based on the premise that managerial effectiveness can best be improved by an understanding of human behaviour and psyche in the context of the modern organisation. It provides students with the opportunity to explore the manner in which we interpret our own and others' behaviour, the nature of groups and how they affect decision making, the nature of strategic interaction, conflict of interest and negotiation. The subject considers the critical role of language and non-verbal communication, the nature and impact of prejudice and discrimination and the nature and significance of leadership. The applied nature of this subject provides students with the opportunity to engage in active participation, personal reflection, experimentation and practice in the various areas of skill development. To this end, there is a strong focus on the role of individual and team reflection.

21491 Cross Cultural Management

6cp
Undergraduate

This subject provides students with the knowledge and skills necessary to identify and evaluate the role of culture in work organisations. It aims to develop intercultural awareness and organisational effectiveness in the global context through a critical evaluation of mainstream and emerging models of national culture. There is a strong emphasis on real life cases, students learn to identify the role of culture in determining organisational strategy, structure, communication, motivation and leadership.

To successfully manage an organisation in a culturally diverse society or to be part of a global organisation, an understanding of the differences in social code, communication, motivation systems, organisational structure and leadership is needed. Business is increasingly competitive, and competing in the 21st century requires a global orientation to sustain economic advantage. Use of the internet now can place business anywhere in the world. Hence an assessment of the risks that include financial, political, economic, environmental and now cultural factors are gaining increasing importance in the global context. Culture determines how one builds trust, communicates, balances risk, negotiates, motivates and leads. Knowing the cultural sensitivities for each country a business can gain profitability, and without cultural intelligence lose spectacularly.

This subject provides a foundation for cross-cultural management and looks at various models of culture including Hofstede's Value Dimensions, Project GLOBE Cultural Dimensions, Trompenaars's Value Dimensions, and Cultural Clusters.

Typical availability

Shanghai, China

21504 Management Capstone

6cp

Requisite(s): 21440 Management Skills AND 2 Subjects from 21510, 21511, 21591, 21227, 21228, 21595, 21602, 21555 AND 21512 Understanding Organisations: Theory and Practice

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject is regarded as a crowning achievement and consolidates the knowledge that has been learnt in the major as well as integrates the core disciplines in a holistic manner. The subject provides students with opportunities to apply the knowledge and skills developed before and during their final year of undergraduate study. Students gain transferable skills with research application including presentation, research process and team-working skills. Students produce submissions to relevant authorities, professional bodies and the wider academic community through a formal presentation. The subject engages students in ethical and sustainability issues at the same time giving them experience of some of the practical aspects of management, highlighting how various business disciplines contribute to their professional knowledge.

21505 Human Resource Management (Capstone)

6cp

Requisite(s): (21555 Human Resource Management AND (21407 Strategic Human Resource Management OR 21036 Managing Strategic Performance OR 21037 Managing Employee Relations))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

The subject provides students with opportunities to apply their knowledge and skills developed prior to and during their final year of undergraduate study. Using a project learning approach, students are required to work with an industry client on a project that mirrors the workplace environment. Although students generally work in groups, individual performance is also assessed taking into account the quality of the product produced, the depth of content understanding demonstrated, and the contributions made to the ongoing process of project completion.

21506 International Business Capstone

6cp

Requisite(s): (21511 Global Operations and Supply Chain Management OR (21510 The Global Context of Management AND 21591 Transnational Management AND Two subjects from 21511, 22240, 24220, 21440, 25304, 22309, 21595))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject aims to develop and extend students' international business skills and in-depth knowledge associated with developing and managing practical research projects. The projects provide students with opportunities to apply the knowledge and skills developed before and during their final year of undergraduate study. The nature of research projects varies from semester to semester; however, projects are intended to help students consolidate and integrate knowledge that has been learnt during the international business major, as well as to develop practical experience in conceptualising, managing and delivering applied research projects. Among the transferable skills that students are asked to demonstrate are information and critical literacy, project management, team work, and reflective practice.

21510 The Global Context of Management

6cp

As a core subject in the management, human resource management and international business majors, this subject is designed to give students a broad overview of the complexity of the global business environment. Student gain an understanding of how the global context of the business environment impacts upon managerial processes. Understanding business in context engages students to appreciate the interrelationships between global business and the environmental, social, technical, legal and regulatory frameworks that influence business operations. Students are encouraged to explore examples of the ethical dilemmas managers encounter operating within this context through problem-based learning activities where they develop essential global management capabilities.

21511 Global Operations and Supply Chain Management

6cp

This subject builds on the business knowledge taught in the core subject Integrating Business Perspectives and provides students studying in the Management, Human Resource Management and International Business majors with an opportunity to develop their understanding of sustainable business operations and global supply chain management from a systems perspective. Through a blended process of experiential, engaging and reflective learning, this subject further assures problem-based learning skills, added with the ability to manage the development of higher order capabilities for addressing complex operational issues in a real business context.

21512 Understanding Organisations: Theory and Practice

6cp

This subject considers what is theory and what is theorising in the specific context of organisations and organisation theory. It covers both mainstream classical business theorising and some alternatives. This examination should lead to an understanding that theory and organisational reality interact, influencing and shaping each other. It then follows that the practising manager is informed by theory when defining issues, sense making and choosing practical action.

21513 Business Ethics and Sustainability

6cp

Business Ethics and Sustainability explores the breadth and depth of ethical issues confronting contemporary organisations. It examines major philosophical conceptualisations of ethics and applies these to critically analyse both theory and practice. It places particular emphasis upon developing students' ethical vocabulary and ethical argumentation so that they are better equipped to successfully carry an ethically informed subjectivity into their organisational practice.

21532 Applied International Business

6cp

Requisite(s): (21591 Transnational Management AND (25304 Asian-Australian Economics Relations OR 23304 Asian-Australian Economics Relations) AND 22240 International Accounting AND 24220 International Marketing)

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate

This capstone subject applies knowledge gained from the study of prerequisite subjects to the examination of contemporary issues facing international business. Students develop skills in researching current issues and assessing how they affect multinational businesses. Students also develop an understanding of the complexity of international operations and how firms have responded to this complexity. The interrelated and multifaceted nature of challenges facing multinationals is stressed. Current organisational problems are used as a basis for discussion and teaching and students develop an appreciation of the evolving international environment and how it may affect corporations. Students also gain experience in written and oral presentations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

21555 Human Resource Management

6cp

Undergraduate

This subject introduces students to the theory and practices utilised to manage an organisation's human resources. It establishes the nature and function of the various components of typical human resource management (HRM) practices, and exposes students to the skills of HRM through the use of structured exercises. It also considers the future direction and strategic application of HRM within Australia and overseas.

21591 Transnational Management

6cp

Undergraduate

This subject examines the management challenges associated with the strategic and operational management of organisations whose activities stretch across national boundaries. It develops a conceptual framework which enables students to understand the interplay between the multinational corporation, the country in which it does business, including an understanding of the psychological, social, political and economic forces useful for managers and consultants involved in multinational organisations and cross-border management. Through theory, cases, readings and research articles, the subject considers approaches to the development of strategy, organisational capabilities, and management challenges for operating in the global economy. It provides comprehensive understanding of managerial processes such as, cultural diversity, the entrepreneurial process (identifying and acting on new opportunities), the integrative learning process (linking and leveraging those pockets of entrepreneurial initiative), and the leadership process (articulating a vision and inspiring others to follow).

21595 International Management Field Study

6cp

This subject enables students to undertake a focused overseas study tour, during which the business, management and cultural practices of a selected country are researched and experienced. Through this, students gain first-hand exposure to the various business and international management theories that have been studied in their course.The subject involves pre-departure briefings and lessons, as well as a mixture of in-country activities that may include visits to businesses, talks by business leaders and trade officials, tours of culturally significant venues, and/or time to explore freely.

Feedback from previous students suggests that they have found the subject personally rewarding because, in the course of experiencing business, culture and travel in a foreign country, individuals discover capacities for leadership, collaborative support, and problem solving in themselves that might not emerge in a classroom.

This subject involves overseas travel and students taking this subject incur travel costs, which are in addition to the normal study fee. The faculty endeavours to keep travel costs as low as possible by negotiating group rates with airlines, hotels and other providers. To ensure the affordability of the study tour, it is only run if a sufficient number of students enrol and commit to the subject.

21602 Strategy: Theory and Practice

6cp

This subject, incorporating extensive case studies, offers an intellectually rigorous exploration of strategic theory and practice. Drawing on established disciplines such as sociology, economics and other social science disciplines, the subject takes an encompassing critical knowledge–interrogating view of the strategy literature. Students are required to engage with political, ethical and sustainability issues that the next generation of managers are likely to encounter.

21702 Industrial Relations

6cp

Postgraduate

This subject provides an in-depth knowledge of the institutions, processes and contemporary forces relevant to understanding industrial relations in Australia and in other national contexts. The contemporary pressures upon industrial relations and the major legislation affecting the workplace are discussed and analysed. The practical skills required to effectively handle industrial relations are also covered, particularly those relating to grievance procedures, negotiations and advocacy.

21715 Strategic Management

6cp

Requisite(s): ((22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications) AND (25706 Economics for Management OR 25745 Economics: Concepts and Applications OR 23706 Economics for Management) AND (24734 Marketing Management OR 24746 Marketing: Concepts and Applications) AND (25742 Financial Management OR 25746 Financial Management: Concepts and Applications) AND 36 Credit Points in spk(s): C04018 Master of Business Administration)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject adopts a holistic strategic approach to the design of innovative business models and the development of integrative processes that promote competitive superiority. This capstone subject integrates and builds on the materials previously studied in the core subjects of the MBA. The aim of the subject is to provide the student with the knowledge and skills necessary for designing and managing strategy processes that can assure the long-term viability and success for enterprises that operate in a highly competitive business environment. The strategy literature supports the adoption of a more creative, strategic and flexible approach to the design of business models. Students are encouraged to design innovative business solutions and develop new problem solving rationales for the formulation of flexible strategies. The students should then be able to understand, communicate and materially contribute to the purpose of an organisation.

21717 International Management

6cp

Postgraduate

This subject encourages participants to: study how people in other countries go about conducting business and managing their enterprises; ascertain the reasons behind their various management practices; assess their effectiveness; and determine the implications for Australian managers. The subject helps develop an integrated world view to provide a better basis for decision-making within the international business arena.

21720 Human Resource Management

6cp

Postgraduate

This subject presents an introduction to the field of human resource management (HRM). Topics covered include historical steps in the development of the human resource function and the forces that have shaped its development; the role and importance of strategic HRM; ethical considerations in HRM and contribution to good corporate governance; implications of HRM policies and procedures for human and other forms of sustainability; the importance of effective HR information systems; the contribution of various HR functions such as job analysis and design, recruitment, selection, remuneration management, performance management and appraisal as well as training and development; the role of key stakeholders including government, industrial tribunals and associations; forms of regulation and entitlements including legislation, awards and agreements; handling workplace grievances and performance problems; managing diversity and EEO.

21722 Leadership, Coaching and Mentoring

6cp

Requisite(s): 21813 Managing People OR 21867 Managing People: Concepts and Applications OR 21844 Managing Work and People

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject emphasises understanding the role of the manager as leader, decision maker and change agent. Topics include the manager's role; transformational/transactional leadership; rational and incremental decision-making; decision-making alternative strategies; situational characteristics of decision-making; creativity and problem solving; transactional analysis; the rational-emotive approach; the Gestalt approach; and dealing with interpersonal conflict.

21724 Strategic Human Resource Management

6cp
Requisite(s): 21720 Human Resource Management
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops the ability to locate, critically analyse and explain the relevance of the recent literature in key areas of Human Resource Management (HRM). It emphasises strategic models of HRM, and the links between HRM and recent trends in management theory and practice.

21741 Managing Operations

6cp
Postgraduate

Operations management designs, operates, and improves the processes and systems that are used to create products and provide services. Effective operations management can significantly contribute to the success of supply chains through improved productivity and enhanced competitive advantage. This subject provides a broad introduction to operations management covering a range of key topics including operations strategy, quality management, inventory management, sales and operations planning, resource planning, decision-making analysis, and sustainable operations management. Teaching methods include a combination of lectures, case studies and a research experience.

Note(s)

Before Autumn semester 2011, this subject was called Value Chain Management.

21742 Quantitative Management

6cp
Postgraduate

This subject provides an introduction to the application of operations research and mathematical modelling techniques to the solution of business problems. The practical application of the various techniques is stressed. Hands-on experience is gained through the use of computer software packages. Topics covered include a revision of basic statistics; project management (CPM/PERT); decision models; simulation techniques; linear programming; statistical quality control; game theory; and inventory management.

21743 Business Excellence

6cp
Requisite(s): 21741c Managing Operations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops an understanding of the practical and managerial aspects of quality, including the fundamentals of total quality management and its relationship to productivity and organisational performance. Topics include the fundamentals of quality, productivity, and organisational performance; total quality management; traditional concepts and modern definitions of quality; quality management tools and techniques; quality standards; and performance measurement.

21745 Service Operations Management

6cp
Postgraduate

This subject covers the management of the design, production and delivery of services, and the application of operations concepts and methods to service situations. Topics include strategic management and marketing, process analysis, and delivery systems; establishing, measuring and control of service levels; location and layout; capacity planning; quality assurance; organisational behaviour and design in services; and managing professional services.

21751 Management Research Methods

6cp
Postgraduate

This subject contributes to the students' vocational and professional attributes by providing a foundation in the analytic and research skills that can be applied to the solution of problems encountered in their professional lives. It develops expertise in research design and methods needed to effectively conduct both academic and applied management research. Topics include survey research, experiments and quasi-experiments, case studies, content analysis, interviews and focus groups.

21758 Strategic Governance and the Business of Government

6cp
Postgraduate

This subject draws from strategic management models for the public, private and non-profit sectors and the previous studies of students. It helps them to develop a capacity for 'big picture' analysis, planning and implementation of strategy.

21760 Performance and Talent Management

6cp
Requisite(s): 21720 Human Resource Management OR 21866 Human Resource Management: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the role and nature of performance management systems in contemporary organisations. The needs and expectations of both organisations and individuals are explored and the sources of performance difficulties identified. The business requirement to align individual and organisational goals is examined and the implications for each stage of the human resource management process is analysed. Approaches to performance management and enhancement are examined and critically evaluated. The subject examines the roles of HRM specialists, line managers and individual employees/contractors in identifying essential job functions and relating them to the organisation's goals, developing appropriate performance standards, providing needed feedback about performance, developing and enhancing performance as well as dealing with performance problems.

21766 Managing Community Organisations

6cp
Postgraduate

This subject provides an introduction to the field of community management. It develops a critical appreciation of management practices and organisational forms within the community sector, evaluates the application of different models of management, and explores key issues such as governance and accountability.

21767 Not-for-Profit Sector Theory and Context

6cp
Postgraduate

This subject introduces some of the ways of thinking about the third sector and the community sector within it. Students study a growing body of knowledge about the third sector, its origins, dimensions and contribution to society, the economy and polity of Australia and selected other countries. It also introduces ways of thinking about the dynamic interaction between third sector organisations and the social, economic and political systems in which they are embedded.

21778 Resource Mobilisation

6cp
Postgraduate

This subject introduces the variety of revenue sources utilised by third sector organisations and the variety of methods that are used to tap these resources. Particular attention is given to fund raising from individuals and companies, but the major emphasis is on effectively managing and developing the variety of revenue sources in the context of the organisation's environment and in accord with the organisation's mission.

21779 Management Skills

6cp
Postgraduate

In this subject, students develop insight into the interpersonal skill requirements of managers and establish a basis for the future development of skills. This subject deals experientially with the interpersonal skills needed by managers to lead teams successfully and takes the individual's awareness of his or her skills and

interpersonal style as its starting point. It goes on to examine basic communication skills such as listening, counselling and non-verbal behaviour. It deals with applied skills including interviewing, time management, goal setting, delegation, group facilitation and meetings management, decision-making, conflict management and negotiation, and organisational communication.

21786 Research Seminars in Management

0cp
Postgraduate

This subject provides a forum each semester for students to present an update on their research efforts and review the work of others.

21797 Strategic Supply Chain Management

6cp
Requisite(s): 21741 Managing Operations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Strategic supply chain management concerns the effective design and long-term planning of a network of interconnected businesses involved in the provision of products and services to the end-users. This subject introduces students to the philosophy of supply chain management with the main focus placed on how to view the supply chain as a strategic asset. A broad range of topics are covered including supply chain network design, integrated supply chain planning and optimisation, supply chain performance analysis, strategic sourcing and supplier management, lean supply chains, sustainable supply chain practices, and supply chain uncertainty.

21800 Management and Organisations

6cp
Requisite(s): 21878c Organisational Dialogue: Theory and Practice
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject develops students' understanding of the nature of organisations and the role of managers within them. The implications of internal organisational factors and external forces for effective management are examined. Management theories are explored and applied to practical contemporary situations.

21811 Global Strategic Management

6cp
Postgraduate

This subject provides an understanding of the contemporary international business environment and how business can formulate appropriate organisational strategies. A variety of strategic options available to organisations is explored. Emphasis is placed on the inevitability of changes in the global environment and on the need for strategic management in this changing environment in Asia, Europe and the United States.

21814 Management Project Design

6cp
Requisite(s): 21751 Management Research Methods
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject further develops knowledge and skills in management research. Specific content is determined by the student and his or her supervisor in relation to the specific project topic.

The major emphasis is on defining the topic; locating the relevant literature; analysing this literature and integrating it with relevant issues; formulating conclusions and implications arising from the literature review; designing a study to explore these implications; and preparing a report.

21815 Management Project

6cp
Postgraduate

This subject aims to develop research skills through the design and conduct of a focused management project. With guidance from a supervisor, students develop appropriate research questions for their project, conduct a literature review, design a research methodology, collect and analyse data, and present the research in a report. The selection of the project topic enables students to increase their knowledge in their area of specialisation.

21817 Volunteer Management

6cp
Postgraduate

The level of volunteering in a society is a sign of its well being, and third sector organisations are the main beneficiaries of volunteering. This subject provides students with a comprehensive introduction to the social phenomena of volunteering and the use of volunteers by third sector and public organisations. This is an elective subject and is taught only if sufficient interest is expressed.

21827 Change Management

6cp
Postgraduate

This subject provides managers with a framework for rethinking their past change management experiences, and for gaining a critical appreciation of future change management practices. It takes students through four aspects of change management: leading change; managing individual experiences of change; conceptualising the need for change; and critiquing specific change management programs.

21832 Managing for Sustainability

6cp
Postgraduate

This subject provides students with a framework for incorporating the natural environment into business strategies and practices. It provides an opportunity to systematically understand business-environment relationships and integrate concepts and techniques from disciplines ranging from operations management to environmental sociology. It provides a unique set of skills for future managers to transform environmental challenges into business opportunities.

21833 International Human Resources Management

6cp
Postgraduate

This subject focuses on issues relating to the management of a global flexible workforce, specifically those concerning the strategic international dimensions of human resource management (HRM). Topics include the strategic link between international business and international HRM; theories of strategic international HRM; strategy, structure and the people management function; contemporary issues in international HRM; expatriate management; and critical evaluation of the international HRM function.

Typical availability

Autumn semester, City campus

21841 Corporate Governance and Strategic Direction

8cp; availabilty: Executive MBA (C04031) students only
Executive MBA (C04031) students only
Postgraduate

This subject provides a deeper understanding of the way companies are owned and controlled and of the systems for corporate governance which exist in different institutional environments. The subject provides students with a positive philosophy about the way they can structure thinking about corporate strategy and focuses on the development of corporate strategies by adopting a comprehensive approach incorporating different perspectives. The subject is holistic, comprehensive and takes a practical, applied approach to theoretical concepts.

21844 Managing Work and People

6cp
Requisite(s): 21878c Organisational Dialogue: Theory and Practice
These requisites may not apply to students in certain courses. See access conditions.

This subject is specifically designed to enable students to develop a critical appreciation of management practice with critical thinking and the integrative approach. The aim of the subject is to help students improve their understanding and abilities to manage human systems, exercise leadership and work effectively with other people. Students are exposed to a variety of leadership perspectives through readings, discussions of experts in the field and successful leaders via video, and group discussion. The subject also provides a forum for students to learn and think introspectively about their own personal values,

leadership styles, emotional intelligence and long-term aspirations. Participating in experiential activities allows students to have direct experience applying team dynamic concepts in the context of their own teams and challenges.

21854 Innovation and Entrepreneurship

6cp

Postgraduate

This subject presents students with a perspective on how innovation and entrepreneurship occurs – across industries and firms, in large and established organisations and in small and new ventures. The subject examines broad processes of innovation (the creation of markets, the flow of ideas, the dynamics of invention and commercialisation) and also related organisational processes (strategy, structure and internal processes that foster creativity) that are relevant to all organisations and essential to those seeking to develop an entrepreneurial mind-set. Students gain an appreciation of the competitive, institutional, political and economic drivers of innovation and entrepreneurship, and gain practical insights into analysing business model viability, assessing opportunities, creating new ventures, designing effective organisations for innovation, producing business plans and pitch decks, and how they can use their social capital for career advancement.

21856 Career and Portfolio Development

6cp

Postgraduate

This subject assists students to review learning and plan career paths for themselves and for the people they manage and supervise. It provides the theoretical and practical frameworks for students to integrate their credentialed and uncredentialed learning into a cohesive portfolio that positions them optimally for career choices in the sector. It enables students to identify gaps in their repertoire of knowledge and skills, which can then be addressed within the industry-training program.

21869 Innovation and Entrepreneurship

8cp

Postgraduate

This subject presents students with a perspective on organisational innovation and entrepreneurship. In a globalised economy, innovation becomes one of the key strategic differentiators and drivers of growth. Analysing the practice of innovation, the topics include successful intra- and entrepreneurship models, sources of innovation, business models supporting innovation strategies, and reflection on the innovation journey. Special emphasis is placed on the understanding of new venture creation and the innovation process with the aim of broadening students' perspectives and better equipping them for successful innovation.

21870 Strategic Human Resource Management

8cp

Postgraduate

This subject introduces students to the theory, practices and skills utilised to strategically manage human capital within the context of high-performance cultures. Students learn how to develop and utilise human capital metrics to evaluate the effectiveness of an organisation's HRM system.

21871 Operations and Value Chain Strategy

8cp

Postgraduate

Operations and Value Chain Strategy presents operations from a vantage point that encompasses both the entire organisation and the broader supply network. The subject contextualises operations management by arguing that the goals to which any high quality operation must aspire are the goals of profitability and sustainable business practices. The subject presents operations within a context that acknowledges the interactions both within all functional areas of an organisation as well as the supply chain network serving it.

21872 Organisational Analysis

8cp

Postgraduate

The subject enables students to understand and improve their own managerial and organisational practice by introducing them to the ideas associated with established theories of organising and emergent theories of practice in organisation studies. The subject reviews the key concepts and issues that inform debates on contemporary organising and allows students to develop reflective perspectives on these as they are relevant to their own work. Following an introduction to the theory and practice of organising, the subject is divided into two main parts: concepts and issues. The key concepts that are discussed include organisational structure, organisational culture, organisational power and organisational responsibility. The key issues for practice that are discussed are organisational change and identity, gendered organisations and diversity, cross-cultural organising, management and organisational fads and fashions, anti-corporate movements and globalisation, and corporate social responsibility and sustainability.

21873 Global Business Strategies

8cp

Requisite(s): (21874 Corporate Governance and Sustainability AND 24800 Managerial Marketing AND 27800 Applied Leadership and Strategy AND 21875 Organisational Behaviour in Practice AND 22814 Accounting Information for Managers AND (25845 Managerial Economics OR 23845 Managerial Economics) AND 25841 Decision Making Tools AND 25846 Managerial Finance)

There are also course requisites for this subject. See access conditions.

Postgraduate

Global Business Strategies is the capstone subject in the Executive MBA degree. This subject challenges the traditional thinking about strategy and is designed for serious academic study by managers and practitioners who wish to apply high level conceptual and critical thinking skills to global business strategy and value innovation. The key issues addressed are how to plan and execute the steps required for initiating new international business ventures, how to meet the business challenges arising from international, social and environmental concerns, and technical innovation. The implications of cross-country differences in cultural, demographic and market conditions, strategy options for entering and competing in foreign markets, the growing role of alliances with foreign partners, the importance of locating operations in the most advantageous countries and the special circumstances of competing in such emerging markets are explored.

21874 Corporate Governance and Sustainability

8cp

Postgraduate

This subject examines corporate governance systems by which business corporations are directed and controlled, and how these may contribute to sustainable enterprise. Issues considered include the implications of the separation of ownership and control, contrasting institutional systems of governance, competing theoretical explanations, the mechanisms of governance, the increasing significance of capital markets and the internationalisation of finance and regulation. The subject employs a stakeholder management perspective to analyse organisational strategies, values and operations that facilitate the development of sustainable, high-performing organisations, as well as enabling a balance between enterprise, society and the ecosphere. The subject focuses on how organisations develop a 'licence to operate and grow' through their relations with employees, wider society and the natural environment, developing skills in critical analysis, risk evaluation and management, scenario planning and stakeholder dialogue.

21875 Organisational Behaviour in Practice

8cp

Postgraduate

As organisations are primarily collections of people working together towards common goals, and the primary management task is to lead human resources in the effective pursuit of those goals, an understanding of organisational behaviour is critical to managers and the process of managing. Managing and leading people takes place in an increasingly complex and uncertain global environment. Furthermore, people are complex, multifaceted and not always predictable, and this is amplified when people are in dynamic relations: in groups, teams and organisations. In dealing with this dynamism, complexity and uncertainty, managers need to have knowledge and insight into behaviour that stands on solid foundations.

This subject is concerned with the systematic study of human behaviour within the context of organisations and seeks to provide an understanding and explanation of behaviour that provides such a foundation. Organisational behaviour is an applied field of study that aims to improve the performance of organisation

members and enhance organisational effectiveness. Core issues upon which managerial and organisational success hinge, such as effective communication, decision making, creativity, teamwork, management of conflict, organisational culture and organisational change, are central topics in this subject. Effectively driving these vital processes requires knowledge and competencies in dealing with the complexities of people's personalities, values, attitudes, and perceptions; these issues are also covered. This subject is designed to help students develop into better leaders, managers and organisation members.

21877 Strategic Procurement

6cp

Requisite(s): 21741 Managing Operations

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject focuses on the management of procurement of goods and services from a strategic perspective. Topics include procurement as a strategic function; key procurement issues such as outsourcing, sourcing strategies and relationships, total cost of ownership, inventory management and negotiations; and applications of procurement such as procurement of commodities, international and global sourcing, capital procurement, efficient consumer response, services procurement and corporate social responsibility and e-procurement and contract management.

21878 Organisational Dialogue: Theory and Practice

6cp

This subject is designed to develop students' sensitivity to the importance of organisational communication and dialogue. It enables students to evaluate communication practices in terms of their capacity to facilitate shared understanding among various organisational stakeholders. By integrating current management and communication theory, the subject emphasises the link between communication and the broader strategic and socio-cultural contexts of organisations. Cultural issues and leadership challenges are specifically considered to develop an understanding of the complexity of facilitating organisational dialogue. On a practical level, the subject assists students in developing their communication skills for academic and professional purposes.

21879 Corporate Social Responsibility and Measuring Social Impact

6cp

Postgraduate

This subject examines different approaches to identifying and analysing the social impact of corporate and not-for-profit organisations. It explores the potential usefulness and relative merits of various impact assessment methods, including social accounting and audit, social return on investment, log frame techniques and the merits and limitations of existing indices such as the Dow Jones Sustainability Index, Corporate Responsibility Index and Global Reporting Initiative. The subject also examines how corporations and community organisations can work together to further their respective objectives by exploring the challenges and opportunities associated with cross-sector partnerships.

21886 Integrated Business Consulting

8cp

Postgraduate

This subject draws on functional knowledge in business and applies this to live case studies. The subject is framed as a strategic consultancy, whereby students are expected to undertake professional assessment of clients' needs and challenges in order to provide viable solutions and rigorous business plans. Students are expected to work closely with the client, undertake primary research and analyse secondary data sources in order to identify business problems and design strategic business solutions. They work in teams to achieve innovative results for the client reflecting integrity in assessing the situation, communicating and justifying the results to the client and independent assessors.

21907 Research Methods and Approaches in Management and Organisations

6cp

Undergraduate

The subject provides the core philosophical underpinning for doing social scientific research in an informed and ethical way. Emphasis is placed on the research design process and introduces students to qualitative, quantitative, comparative and mixed research methods. This subject is offered to all students in the business faculties and is designed to complement advanced subjects across the disciplines (e.g. 21909 Advanced Organisation and Management Theorising, 24756 Philosophy of Science, etc.).

21908 Advanced Management and Organisation Research Methods

6cp

Undergraduate

The subject provides advanced knowledge and advice in the design, execution and writing up of research. The aim is to develop high quality, critical thinking, creative and productive academics and researchers of the future. The core assessment tasks are all directly relevant to student's research projects.

21909 Advanced Organisation and Management Theorising

6cp

Undergraduate

This subject provides research degree students with the theoretical skills to be able to engage with the highest quality research literature and understand the issues that frame the debates encountered. Topics included current and historical perspectives, metatheoretical approaches to management and organisation theory, and epistemological and ontological issues in theorising organizations and management.

21910 Researching Organisations and Management

6cp

Undergraduate

Exemplary research is well conceived, well executed, and well written. It is what scholars should aim to do. The purpose of this subject is twofold: 1) to introduce research students to the ideas and techniques that underpin particular examples of exemplary research; and 2) to help research students apply these ideas in the execution of their own research. Students not only critically evaluate examples of research but also explore the practice of research to identify key strategies and potential pitfalls that can affect their research process and timing.

21912 Thesis Proposal in Management (Honours)

6cp

Undergraduate

This subject requires students to produce a written thesis research proposal of about 6000 words that forms the basis of the research to be carried out in 21913 Thesis in Management (Honours). Students are allocated an academic supervisor from within the School of Management, with whom they meet regularly throughout their enrolment in the subject. The subject develops the student's competency in carrying out a critical review of the literature, choosing appropriate research methodologies, and the writing of research proposal.

21913 Thesis in Management (Honours)

18cp

Undergraduate

The honours thesis requires the student to produce a thesis of about 20,000 words based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner.

21914 Readings and Reflecting on Management

6cp
Requisite(s): 21907 Research Methods and Approaches in Management and Organisations
There are also course requisites for this subject. See access conditions.

This subject is an advanced undergraduate research subject. It develops advanced understanding in a specialised area of interest such as strategy, operations management, leadership, the history of management thought, organisation behavior, or other relevant areas of management research.

21915 Management and Organisation Seminars

6cp
Requisite(s): 21907 Research Methods and Approaches in Management and Organisations
There are also course requisites for this subject. See access conditions.

This subject is a series of seminars that surveys in-depth one or two particular theoretical perspectives and issues studied in organisation and management theory (OMT) research. Organisation and management theory is a fertile area of social science because of the importance of understanding organisations, and it is the place where key challenges to traditional theory have emerged in recent times. This subject explores two or three topics in depth allowing students to gain a sense of the power of theory and its potential applications.

21982 PhD Thesis: Management

0cp
Postgraduate

Students must undertake original research, supervised by a senior member of the school's academic staff. Students must prepare a proposal, present it and gain approval before proceeding. The thesis should advance knowledge in the area of management, and should be of a standard publishable in an international refereed journal.

21990 Master of Business Thesis (Management)

0cp

Students are required to complete a thesis which is considered to involve an amount of study equivalent to four semesters for full-time study, and six semesters for part-time study. The thesis is expected to present original research of a theoretical or applied nature in management. It is not expected to advance knowledge, as is required in the case of a PhD thesis, but it should give evidence of the student's ability to engage in a substantial investigation, identify and analyse research problems and present the results in a coherent and scholarly manner.

21999 Business Internship

6cp; availability: students need to have completed 72 credit points of study at credit average to enrol in this subject
Requisite(s): 72 Credit Points in spk(s): C10026 Bachelor of Business OR 72 Credit Points in spk(s): C10027 Bachelor of Business OR 96 Credit Points in spk(s): C10020 Bachelor of Business Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10021 Bachelor of Business Bachelor of Arts in International Studies OR 78 Credit Points in spk(s): C10235 Bachelor of Accounting OR 144 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 144 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 144 Credit Points in spk(s): C10162 Bachelor of Science Bachelor of Business OR 144 Credit Points in spk(s): C10163 Bachelor of Medical Science Bachelor of Business OR 144 Credit Points in spk(s): C10169 Bachelor of Biotechnology Bachelor of Business OR 144 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject, students undertake an internship with an organisation in a capacity relevant to their academic studies. This assists in developing employment skills, knowledge and contacts which can contribute to their career goals. Through their internship, students are exposed to the professional functions and activities relevant to their field of study (major). A written reflection and report on the outcomes of the internship is required. Students must undertake at least 210 hours of work with a host organisation, which is equivalent to six weeks or 30 days of full-time experience. The terms and time frame of the experience are flexible and may be negotiated between the student and host organisation. The internship must be based on an agreed and approved program of work which aims to achieve predetermined learning objectives.

22107 Accounting for Business Decisions A

6cp
Requisite(s): 26100c Integrating Business Perspectives
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

In most economies business success is measured in financial terms. It is the accountants who undertake this measurement. Many decisions in business are made based on accounting information, both historical (based on past events) and projected (based on estimates of the future). Understanding accounting as a systematic way of measuring and communicating financial information on the financial status of various business entities is the foundation for any successful career in both the private and public business sectors.

22157 Australian Corporate Environment

6cp; availability: Bachelor of Accounting students only
For Bachelor of Accounting students only
Undergraduate

This subject introduces students to the Australian corporate environment as part of their first Industrial Experience semester. Students undertake a variety of work-based assignments involving research into the structure of the sponsoring organisation they are training with, readings of current business journals, interviews with managers, and regular readings and homework from the set text.

22207 Accounting for Business Decisions B

6cp
Requisite(s): 22107 Accounting for Business Decisions A OR 22107c Accounting for Business Decisions A
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject applies accounting in an information systems context to equip students with the appropriate accounting skills necessary to participate in a managerial capacity, including the skills to facilitate and enhance decision-making, accountability and control. Ethical implications of decisions are considered throughout the subject. The subject covers areas in both financial and management accounting.

Note(s)

Students intending to enrol in the Accounting, Banking or Finance majors must complete this foundation core subject.

22240 International Accounting

6cp
Requisite(s): 22107 Accounting for Business Decisions A
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

In a rapidly changing world environment, the significance of international accounting has grown substantially, along with the expansion of international business activity. This subject introduces students to the importance of international accounting in global trade and gives them an awareness of the complex variables involved. Through the perspective of multinational corporations, students discuss and analyse major issues impacting global operations and research topical issues that drive their development and understanding of international accounting at work.

22309 Accounting for Overseas Transactions

6cp
Requisite(s): 22107 Accounting for Business Decisions A
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to the basic concepts underlying the variety of accounting issues involved in the recording and reporting of overseas transactions. It covers relevant aspects of documentation, foreign exchange gains and losses, foreign exchange hedging, forward exchange contracts, effects of overseas inflation, financing overseas transactions and facilitation through government and non-government agencies. It provides skills and information needed to advise clients on overseas transactions. Concentration is placed on the operational and accounting treatment of foreign operations as distinct from a marketing or economic approach to the subject area.

Typical availability

Autumn semester, City campus

Spring semester, City campus

22319 Financial Statement Analysis (Capstone)

6cp
Requisite(s): 22420 Accounting Standards and Regulations AND 25300 Fundamentals of Business Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

The aim of this course is to demonstrate and apply a framework for business analysis and valuation using financial statement data. The emphasis of the course is on translating the tools of business analysis and valuation into practical situations. To achieve this, the course is relatively case intensive, with this method used to develop key skills as well as demonstrating their application. The course is intended for students interested in business consulting, investment banking, business analysis and corporate lending. Given the increasing trend towards a business analysis-based approach to auditing and assurance services, it is also relevant to those interested in public accounting.

22320 Accounting for Business Combinations

6cp
Requisite(s): 22207 Accounting for Business Decisions B
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Together with 22420 Accounting Standards and Regulations this subject deals with the application and analysis of prescribed accounting treatments. It specifically surveys the institutional and legal framework of current Australian accounting with reference to international accounting standards and local and overseas standards and exposure drafts. The subject also emphasises financial reporting and accounting for companies including consolidated accounts of complex economic entities, associate companies and joint arrangements.

22321 Cost Management Systems

6cp
Requisite(s): 22207 Accounting for Business Decisions B
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to the basic concepts underlying management accounting, which is one of the core streams in the study of accounting. It provides an in-depth understanding of appropriate cost management concepts with an emphasis on the use of accounting information to understand and make decisions about the management of the cost structure of organisations. Students acquire a set of concepts, skills and techniques that are necessary for potential managers, with particular appreciation of the various issues and challenges faced by managers within organisations.

22420 Accounting Standards and Regulations

6cp
Requisite(s): 22207 Accounting for Business Decisions B
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides the ability to understand, critically evaluate and apply accounting standards and interpret financial reports. It considers the financial reporting environment and factors influencing the forms of financial reporting, and addresses a range of accounting issues from within a contracting cost framework.

22421 Management Decisions and Control

6cp
Requisite(s): 22321 Cost Management Systems
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces the use of management accounting information to support managerial decisions and control within organisations. It emphasises decision and control issues in a contemporary environment and introduces appropriate decision and control concepts, techniques and skills. It also emphasises the ways in which accounting information can be used to understand and make decisions about the operational and strategic management of an organisation, and to control the implementation and ongoing management of such decisions.

22491 Financial Statement Analysis and Valuation

6cp
Undergraduate

The aim of this subject is to demonstrate and apply a framework for business analysis and evaluation using financial statement data. The emphasis is on translating the tools of business analysis and evaluation into practical situations. To achieve this, the subject is relatively case intensive, with this method used to develop key skills as well as demonstrating their application. The subject is intended for students interested in business consulting, investment banking, business analysis and corporate lending. Given the increasing trend towards a business analysis-based approach to auditing and assurance services, it is also relevant to those interested in public accounting.

22492 Understanding Financial Reports Prepared Under IFRS

6cp
Requisite(s): 22207 Accounting for Business Decisions B
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides the foundation for understanding international financial reporting standards (IFRS) and the ability to critically evaluate corporate financial reports. It considers the financial reporting environment and factors influencing the forms of financial reporting, and addresses a range of accounting issues from within a contracting cost framework.

22502 Financial Planning in Australia

6cp
Requisite(s): 22207 Accounting for Business Decisions B AND 25556 The Financial System AND 79017 Taxation Law

This subject provides students with an understanding of the financial planning processes in Australia from a professional practice perspective. The subject exposes students to a variety of alternative strategies for the management of personal financial risk exposures and links those strategies with a consideration of broader contemporary socioeconomic and sociolegal issues.

Students consider the interaction between stakeholder interests and the availability of products and service processes in the context of the effective management of potential ethical issues, and the need for the provision of effective professional services while maintaining ongoing compliance with the requirements of the financial services sector regulatory environment.

22515 Computer-based Accounting

6cp
Requisite(s): 22207 Accounting for Business Decisions B
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces the concepts of computerised accounting and the general operation of several microcomputer accounting packages. It also provides opportunities for students to gain experience in the installation and operation of accounting packages for small business. Topics covered include the development of an accounting framework for small and medium enterprises; and the selection, application and operation of microcomputer accounting packages including general ledger, cash book, accounts receivable, accounts payable and inventory. The subject also covers the statutory reporting requirements of SMEs from a professional practice perspective.

22522 Assurance Services and Audit

6cp
Requisite(s): 22320 Accounting for Business Combinations AND 22420 Accounting Standards and Regulations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject addresses the provision of assurance services. It focuses mainly on the attest services offered by auditors to provide credibility of information in company and other organisation financial statements. The subject studies the audit process of understanding client's operations and risk, analytical review and the pivotal importance of evaluation of the quality of client internal control and evaluates internal control in a COSO framework. The subject provides an understanding of professional, ethical and legal requirements and responsibilities in completing and reporting on assurance tasks. It is accredited by the accounting professional bodies.

22566 Small Business Management and Accounting

6cp
Undergraduate

This subject develops the knowledge and skills required by accountants in dealing with the problems that are unique to their professional work in the small business sector. It highlights and emphasises the practical matters associated with the initiation and growth of a small business. Topics covered include an overview; the requirements of establishing a business — the stops and structures; economic business cycles' growth and future; acquiring and / or financing the business; accounting — records, control, costing and pricing; financial analysis and management; appraisals and acquisitions; the growing trend towards franchising as a form of small business; taxation and tax planning; insurance and risk; business disaster planning and recovery; and business and financial planning and budgeting.

22567 Planning and Control for Small Business Enterprises

6cp
Requisite(s): 22107 Accounting for Business Decisions A
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides students with the skills required to successfully operate a small business enterprise. Students are required to analyse financial data of small business enterprises and develop integrated business plans. The subject highlights the practical matters associated with small business enterprise start-up, operations accounting and management. It also provides an opportunity for students to gain a thorough understanding of planning and controlling small business operations.

The subject provides students with a better understanding of basic accounting procedures and strengthens their knowledge of cost accounting techniques. It builds on the skills in the use of computer technology and software, particularly spreadsheet applications, to increase student's proficiency in this area.

Topics covered include the use of spreadsheets, performance evaluation, budgeting, cash-flow analysis, sensitivity analysis, financing, planning for innovation, sustainability and environment management, and challenges and issues faced by contemporary Australian small business operators.

22573 Accountability of Small Business Enterprises

6cp
Requisite(s): 22566 Small Business Management and Accounting
Undergraduate

This subject develops the knowledge and skills required by accountants and managers of small business enterprises in dealing with record keeping and compliance requirements. It highlights and emphasises the link between accounting records, taxation reporting and administration of employees. Topics covered include an overview of the basic taxation requirements for small business enterprises from registering an Australian Business Number (ABN) to reporting Business Activity Statements and preparing income tax returns; management of employees from employing new staff to planning for retirement; planning business succession or closing down a business; compliance with various employee-related requirements such as payroll tax, insurances, superannuation and statistical reporting.

22605 Accounting Information Systems

6cp; availability: Bachelor of Accounting students only
Undergraduate

This subject introduces the role of information systems in supplying both qualitative and quantitative financial information to management within large organisations. Extensive practical experience on PCs allows students to be fully productive in their subsequent first internship.

22610 Accounting for Insolvency

6cp
Undergraduate

This subject provides students with a study of accounting for insolvency that is an optimal stream in the study of accounting discipline. It provides an essential set of concepts, skills and techniques to business majors who are potential managers in business. The subject is also designed to provide students with learning experiences that enable them to gain an understanding of the financial management mistakes leading to these business failures or near failures. It develops an understanding and an appreciation of the accounting requirements for business enterprises that are insolvent. It encourages students to develop a basis for research and analytical skills specifically appropriate for diagnosing issues and problems as well as evaluating and interpreting the different characteristics related to business rescue, reconstruction and liquidations by the use of case studies and participating in a group research project. The subject covers a number of important current events and does not only inform students about the major issues, ideas and developments, but also stimulate further inquiry and debate.

22705 Management Planning and Control

6cp
Requisite(s): 22753 Cost Management and Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the role of management accounting in the process of planning, control and performance evaluation of contemporary organisations at corporate, division and functional levels. It talks about what it means to have an organisation be in control, what alternatives managers have for ensuring good control and how managers should choose from among control system alternatives. It then focuses on financial control systems, financial targets setting, performance measurement and evaluation, and the assignment of various forms of organisational rewards (and punishments). Finally, planning, control and performance evaluation issues of inter-organisational collaboration ventures and international operations are examined. The subject takes mostly a user perspective. At least some of the material covered in this subject is relevant to students no matter what kind of organisation they work in and what function they have in that organisation.

22708 Accounting Information Systems

6cp

Postgraduate

This subject provides students with a broad knowledge of the fundamentals of accounting data management and analysis, modelling of decision problems, business process execution and control and information integration. The subject also introduces examples of accounting information systems software for both SMEs and large enterprises (enterprise systems software). Models and software tools are used in order to plan and simulate the process of the transformation of real-world complexity into accounting figures and in order to highlight the interdependencies between different business functions. The subject also emphasises the role of computerised accounting systems in internal control and demonstrates how to evaluate the effectiveness and limitations of control systems.

22730 Auditing and Assurance Services

6cp

Requisite(s): 22748 Financial Reporting and Analysis AND 22754 Corporate Accounting AND 22747 Accounting for Managerial Decisions

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject addresses the provision of auditing and assurance services. It focuses mainly on the attest services offered by auditors to provide credibility of information in company and other organisation financial statements. It also considers the expansion of assurance services beyond the traditional financial statement audit into such areas as risk assessment, information system reliability, asset protection, detection and prevention of fraud and electronic commerce. It also deals with the methodology necessary to complete a financial statement audit or to provide other assurance services, and the criteria and professional standards used to measure information quality and integrity. The subject studies the audit process of understanding client's operations and risk, analytical review and the pivotal importance of evaluation of the quality of client internal control and evaluates internal control in a COSO framework.

While internal control systems are evaluated assuming a business environment where information systems are an integral part of control systems and client operations, a variety of information technology environments (including the use of enterprise resource planning (ERP) systems such as SAP e-commerce applications) are introduced. The subject provides an understanding of professional, ethical and legal requirements and responsibilities in completing and reporting on assurance tasks. It is accredited by the accounting professional bodies.

22743 Business Valuation and Financial Analysis

6cp

Requisite(s): ((25742 Financial Management OR 25746 Financial Management: Concepts and Applications) AND 22748 Financial Reporting and Analysis AND 22754 Corporate Accounting AND 22747 Accounting for Managerial Decisions)

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

The aim of this subject is to demonstrate and apply a framework for business analysis and valuation using financial statement data. The emphasis is on translating the tools of business analysis and valuation into practical situations. To achieve this, the subject is relatively case intensive, with this method used to develop key skills as well as demonstrating their application. The subject is intended for students interested in business consulting, investment banking, business analysis and corporate lending. Given the increasing trend towards a business analysis-based approach to auditing and assurance services, it is also relevant to those interested in public accounting.

22747 Accounting for Managerial Decisions

6cp

Requisite(s): 21878c Organisational Dialogue: Theory and Practice OR 26001 Business Communication Skills

These requisites may not apply to students in certain courses. See access conditions.

Postgraduate

The subject aims to expose students to the nature and use of accounting information as used by managers to plan and control business operations as well as for decision support. The subject is intended to prepare students to understand and use accounting information for decision support, analysing historical operations and planning future business activity. This subject provides a sound grounding in the application of accounting concepts and techniques used to gain intelligence about all aspects of business operations.

The topics comprise a mix of financial and management accounting. The financial accounting topics concern the basic financial statements, their analysis and the concepts and procedures that underpin their preparation. The management accounting topics relate to cost and profit planning, and the use and application of financial information to support management decision activity for both routine and non-routine business situations.

Typical availability

Summer session, City campus

22748 Financial Reporting and Analysis

6cp

Requisite(s): 22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

The principal aim is to provide students with the skills and competencies to undertake accounting analysis. Accounting analysis is a tool in performing business analysis using financial statements. In making accounting analyses, students distinguish between the information revealed by management on the firm's underlying business activities, the sources and effects of distortions of this information that can be induced into the accounting numbers and the errors that can arise in accounting estimates used in accounting numbers. This is an intermediate level financial accounting subject.

22753 Cost Management and Analysis

6cp

Requisite(s): 22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Management accounting information systems are one of the main decision-support systems in organisations. This subject introduces students to quantitative and qualitative techniques for the analysis of business operations using accounting and financial management measurement and analytical tools. This subject equips students with the skills and knowledge to design and use effective management accounting information for planning and controlling organisational activities.

Topics include forecasting revenues and costs, cost behaviour and cost-volume-profit analysis, business planning and cost control using budgeting and variance analysis. Data analysis and conversion to information products utilising information technology productivity tools is applied to practical 'real-life' decision situations confronting managers, paying particular emphasis on building sustainable organisations.

22754 Corporate Accounting

6cp
Requisite(s): 22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the institutional and legal framework of modern Australian financial accounting. The main topics include accounting for acquisition of assets including business enterprises; valuation and goodwill; consolidated accounts of complex economic entities; accounting for associate companies and joint ventures; and corporate restructuring.

22759 Accounting and ERP

6cp
Requisite(s): 22747c Accounting for Managerial Decisions OR 22784c Accounting: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to accounting with enterprise resource planning systems (ERPS) and provides an integrated view on accounting, information management, and business processes management in an ERPS. Students get the opportunity to manage master data, day-to-day transactions and periodic/closing transactions in accounting in a virtual company implemented in a 'real world' market-leading ERPS (SAP ERP). Cross-functional automation and control features in ERPS are demonstrated, and students manage cross-functional business processes within their own virtual accounting environment.

22766 Assurance for Enterprise Systems

6cp
Requisite(s): 22759c Accounting and ERP
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This advanced accounting information systems subject deals with assurance and control issues in an integrated systems (enterprise systems) environment. The control frameworks evaluated include management/general controls, task controls and application controls. Students gain advanced financial reporting skills for detective control and learn how complex authorisation profiles and automation can be used as preventive controls in an enterprise systems environment. In an extensive case study, students have to demonstrate and deepen their theoretical knowledge and practical skills with SAP solutions.

22776 Business Information Systems

6cp
Postgraduate

In this subject students explore the role of information systems in the modern business environment and examine a broad range of issues including IT governance and strategy, IT infrastructure management, the role of IT in supporting business processes, data warehousing/business intelligence, e-business and environmentally sustainable IT. Practical examples of both successful and failed information systems projects are presented and discussed in the light of the 'IT Productivity Paradox'. An important objective of the subject is to provide students with the opportunity to discuss and debate the ethics regarding the use of IT and information systems in modern organisations and society.

22777 International Accounting

6cp
Requisite(s): 22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

In the context of many corporations operating in an extensive global business environment, this subject explores the causes and effects of diversity in corporate financial accounting and evaluates the efforts undertaken to harmonise accounting standards and practice internationally. The identities and interests of stakeholders in this process are considered. The subject is intended to equip students with the knowledge and skills to appreciate the characteristics and limitations in the interpretation of accounting reports originating from various countries and that arise from diverse cultural and other factors impacting on each country's national accounting profession.

22782 Business Process Integration with ERP

6cp
Requisite(s): 22759 Accounting and ERP OR 21741 Managing Operations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This capstone-type subject focuses on the integrative nature of operational business plans and actual business processes, and it demonstrates how organisations can implement those plans and execute/control those processes in enterprise resources planning systems (ERPS). The subject provides students with knowledge about the theoretical concepts and techniques used in operations management/supply-chain management and cost accounting, and it also exposes them to the practical representation of those concepts and techniques in a large-scale, highly integrative ERPS (currently SAP ERP). An extensive group project provides students with strong exposure to real-world (implementation) issues at the interface of operations management, cost/financial accounting and information management with enterprise systems.

22783 Business Intelligence 2: Advanced Planning

6cp
Requisite(s): 22708 Accounting Information Systems AND 22759 Accounting and ERP
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Understanding and applying advanced planning and optimisation methods for supply chain management are essential skills of management accountants in today's business. This subject deals with techniques that generate optimised executable plans in response to rapid changes in supply or demand (demand planning, profit maximisation through demand and supply optimisation, integrated, value-based supply chain management). Interactive, problem-based lectures and seminars demonstrate these management accounting concepts and allow students to practise in real-time how these techniques can be applied using the SAP products for advanced supply-chain management.

22787 Business Project Management

6cp
Postgraduate

This subject takes a holistic and business-oriented approach to the management of projects. Topics covered include project definition, roles and responsibilities, project planning, managing project risk, resource management, time and cost estimation, project control and reporting, measuring project success, and post-implementation review. Project management software is used to assist with resource allocation, costing and schedule. Students are required to form project teams and manage their own projects throughout the teaching period.

22797 Business Intelligence 1: Advanced Analysis

6cp
Requisite(s): 22776 Business Information Systems OR 22708 Accounting Information Systems
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to data warehousing and data mining, key issues in future information management in an environment in which the filtering and aggregation of external (e.g. WWW) and internal information becomes the critical success factor. The SAP New Dimension Product, Business Warehouse, is used in order to practise the procedures in data warehouse design and in order to demonstrate the integration of data warehouses with other business information systems, above all, the application of information generated in data warehouses for management accounting and decision-making.

22814 Accounting Information for Managers

8cp
Postgraduate

This subject develops accounting knowledge and its application in the management of business activity. It integrates accounting with other aspects of managerial decisions including general management, finance, production, marketing and human resource decisions. The subject is divided into two parts, with the first part introducing students to the interpretation and analysis of financial statements and their practical applications. The second part focuses on management accounting issues including budgeting, variance analysis, cost allocations and internal performance measurement and reporting systems. Students are required to undertake a 'real-life' syndicate case study based on a listed public company.

22815 Business Decisions and Models

8cp
Requisite(s): 22814 Accounting Information for Managers AND 25846 Managerial Finance
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to quantitative techniques for forecasting, planning and analysing business operations, using accounting and financial management measurement and analytical tools. Statistical data analysis and business modelling techniques are applied to generate forecasts of future business operations to provide quantitative information support for management decision-making. The consideration of internal organisational and external environmental factors with regard to the revenue streams and the impact of economic indicators on business activity are also considered. Data analysis and conversion to information products, utilising information technology productivity tools, are applied to practical 'real-life' situations confronting managers.

22816 Financial Analysis and Business Valuations

8cp
Requisite(s): (22814 Accounting Information for Managers AND (25845 Managerial Economics OR 23845 Managerial Economics) AND 25846 Managerial Finance AND 25841 Decision Making Tools)
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject explores the latest developments in accounting methods and practices used to analyse and value business operations. It examines the information content of financial statements and how this information, coupled with global, industry and company-specific financial data, aids in the development of models to predict future profits and cash flows. These models are then applied in the context of corporate restructuring, acquisition and mergers, private equity considerations, bankruptcy predictions and fundamental equity valuations. Students are required to evaluate and apply valuation techniques based on pre-configured computer-based spreadsheet valuation templates.

22901 Accounting Research and Consulting Skills

6cp
Undergraduate

The subject introduces students to the notion of scientific and applied research. Building on these frameworks, students are taught how to identify research questions, develop theoretical frameworks and empirically test their theories. Students are also given insight into how to structure research reports.

22902 Financial Reporting, Capital Markets and Disclosure

6cp
Undergraduate

The subject introduces students to the notion of scientific and applied research in financial accounting. Building on these frameworks, the students are taught how to identify research questions, develop theoretical frameworks and test empirically their theories. Students are also given insight into how to structure research reports.

22903 Contemporary Issues in Management Accounting Research

6cp
Undergraduate

The subject entails an overview of historical and contemporary developments in management accounting theory and research plus a detailed review of research in specific topic areas. In any one year three to four major topic areas are selected from the wide diversity of research on management accounting, with an emphasis on contemporary developments.

22906 Thesis in Accounting

24cp
Requisite(s): 22901 Accounting Research and Consulting Skills AND 22902 Financial Reporting, Capital Markets and Disclosure AND 22903 Contemporary Issues in Management Accounting Research AND 22908 Current Issues in Corporate Governance and Assurance
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject requires the student to produce a 20,000-word (maximum) thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner.

22908 Current Issues in Corporate Governance and Assurance

6cp
Undergraduate

The subject introduces students to the notion of scientific and applied research in auditing and corporate governance. Building on these paradigms, students are taught how to identify research questions, develop theoretical frameworks and test empirically their theories.

22982 PhD Thesis: Accounting

0cp
Postgraduate

Students must undertake original research, supervised by a senior member of the school's academic staff. Students must prepare a proposal, present it and gain approval before proceeding. The thesis should advance knowledge in the area of accounting, and should be of a standard publishable in an international refereed journal.

22990 Master of Business Thesis (Accounting)

0cp

Students are required to complete a thesis which is considered to involve an amount of study equivalent to four semesters for full-time study, and six semesters for part-time study. The thesis is expected to present original research of a theoretical or applied nature in accounting. It is not expected to advance knowledge, as is required in the case of a PhD thesis, but it should give evidence of the student's ability to engage in a substantial investigation, identify and analyse research problems and present the results in a coherent and scholarly manner.

22991 Thesis in Accounting (BAcc)

24cp
Requisite(s): 22901 Accounting Research and Consulting Skills AND 22902 Financial Reporting, Capital Markets and Disclosure AND 22903 Contemporary Issues in Management Accounting Research AND 22908 Current Issues in Corporate Governance and Assurance
There are also course requisites for this subject. See access conditions.
Honours

This subject requires the student to produce a 20,000-word (maximum) thesis based on an original problem with a professional or applied impetus. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner.

22999 Business Internship

6cp; availability: students need to have completed 72 credit points of study at credit average to enrol in this subject
Requisite(s): 72 Credit Points in spk(s): C10026 Bachelor of Business OR 72 Credit Points in spk(s): C10027 Bachelor of Business OR 96 Credit Points in spk(s): C10020 Bachelor of Business Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10021 Bachelor of Business Bachelor of Arts in International Studies
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject, students undertake an internship with an organisation in a capacity relevant to their academic studies. This assists in developing employment skills, knowledge and contacts which can contribute to their career goals. Through their internship, students are exposed to the professional functions and activities relevant to their field of study (major). A written reflection and report on the outcomes of the internship is required. Students must undertake at least 210 hours of work with a host organisation, which is equivalent to six weeks or 30 days of full-time experience. The terms and time frame of the experience are flexible and may be negotiated between the student and host organisation. The internship must be based on an agreed and approved program of work which aims to achieve predetermined learning objectives.

23021 Labour Economics

6cp
Requisite(s): 23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject applies the knowledge and skills students have developed in the prerequisite subject to the functioning of modern labour markets, with a specific focus on the Australian context. Students expand their knowledge of economic concepts to include those that can be used to rationalise firms' and workers' behaviour in the labour market, and students use these concepts to critically evaluate labour market policies. They investigate individual differences in wages and employment, assess the economic effects of minimum wage laws, payroll taxes and education subsidies, and explore the institutional features, historical trends and current policy issues in Australian labour markets.

23022 Public Economics

6cp
Requisite(s): 23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject applies and extends the knowledge and skills students have developed in Intermediate Microeconomics to an analysis of the economic rationale for collective choice and government intervention in the economy. It explores and evaluates the government's ability to identify and achieve more efficient and equitable outcomes. Students extend their knowledge of welfare economics and examine the motivation behind government intervention in the economy. They see why a market economy fails to achieve efficient solutions in the presence of public goods, externalities, natural monopoly and asymmetric information. The subject explains the mechanisms of collective choice, cost-benefit analysis and income redistribution and explores the theory of taxation. Students enhance their ability to distinguish between progressive and regressive taxes, between formal and effective incidence, and between efficient and equal taxes. They also examine how individuals react to income taxes and benefits by modifying their labour supply and consumption behaviour. Finally, the subject presents specific sectors where government intervention is traditionally active, such as health care and education, with emphasis on the Australian economy.

23115 Economics for Business

6cp
Requisite(s): 26100c Integrating Business Perspectives
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject provides students with a basic understanding of the economic influences on business. It offers an introductory treatment of consumer and business behaviour in competitive markets, the effects of government policies on market outcomes, and the basic economic concepts used in business analysis and decision-making. It also introduces students to the problem of aggregate economic fluctuations, inflation and the structure of economic relations between countries. Economics for Business also equips students with basic analytical skills to examine the impact of these macroeconomic forces on business conditions and to communicate the results of their analysis in writing.

23304 Asian-Australian Economics Relations

6cp
Requisite(s): (25115 Economics for Business OR 23115 Economics for Business)) AND (26134 Business Statistics OR (33130 Mathematical Modelling 1 AND 33230 Mathematical Modelling 2)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject gives an overview of the Asian region, its political economy and its economic relationship with Australia. The focus is on those Asian economies that have significant trading relations with Australia. Emphasis is given to exchange rate changes, dynamic comparative advantage driving changing trade patterns, the political economy and sources of economic growth, regional and global market failure, and comparisons of key macroeconomic variables such as inflation, GDP, unemployment, asset prices and interest rates.

23418 Economics of Money and Finance

6cp
Requisite(s): (23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics)) AND ((23568 Intermediate Macroeconomics OR 25568 Intermediate Macroeconomics)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject equips students with the conceptual tools to more thoroughly understand and interpret monetary phenomena in the macroeconomy. It develops the treatment of macro models in intermediate macroeconomics using key frameworks from intermediate microeconomics and uses this treatment to examine various explanations of interest rate determination, the interaction between money, inflation and output, and the functions and regulation of financial intermediaries. This provides a detailed framework for carefully investigating the principles and operation of monetary policy and enables students to develop the skills to evaluate recent challenges and developments in monetary policy implementation.

23491 International Trade and Investment

6cp
Requisite(s): 25115 Economics for Business OR 23115 Economics for Business
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to models, frameworks and issues in international trade theory and policy including analytical tools for evaluating the welfare and income distributional consequences of various trade policies. These tools have application not only in academic research but also business and government decision making. The subject covers the main theories of international trade, the impact of trade on economic growth, determination of foreign exchange rates, multilateral trading systems and institutions, regional trade and cooperative agreements and the effects of trade policy interventions such as tariffs, quotas, and subsidies.

23564 Labour and Industry in the Global Context

6cp
Requisite(s): (23115 Economics for Business OR 25115 Economics for Business)) AND (26134 Business Statistics OR ((33230 Mathematical Modelling 2 OR 33130 Mathematical Modelling 1))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the effects of institutional structures on the operation of the Australian labour market and the role of government policy in this market with special attention to the economic and cultural implications of immigration. Labour and Industry in the Global Context also examines recent changes in the international and Australian economies and the impact of these changes on industry and job structures. Students are equipped to evaluate labour market and industry trends as well as current policy debates.

23565 Mathematics for Economics and Business

6cp
Requisite(s): 23115 Economics for Business OR 25115 Economics for Business
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to a range of mathematical techniques used widely in economics and stresses the importance of understanding the logic of these techniques and the kinds of economic problems to which they can be applied. The subject enables students to analyse a number of economic problems from a mathematical perspective and to incorporate this analysis within a wider understanding of these problems.

23566 Economics for Business 2

6cp
Requisite(s): (23115 Economics for Business OR 25115 Economics for Business) AND (26134 Business Statistics OR 33130 Mathematical Modelling 1 OR 33230 Mathematical Modelling 2 OR 35101 Introduction to Linear Dynamical Systems OR 35151 Introduction to Statistics)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject extends the foundational treatment received in 23115 Economics for Business by analysing the decisions that lie behind the demand and supply curves in markets, and the forces that affect aggregate demand and aggregate supply curves of the economy. The subject examines a number of core issues in economics such as: how firms choose their production levels and how their decisions are affected by the market conditions, how consumers choose between alternative combinations of goods and services, how government conducts fiscal and monetary policy and which forces affect the long-run economic growth of a country. The subject also equips students with the basic quantitative skills needed to examine these questions.

23567 Intermediate Microeconomics

6cp
Requisite(s): 23566 Economics for Business 2 OR 25566 Economics for Business 2
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject extends students' knowledge and understanding of microeconomic phenomena and the environment within which consumers and businesses operate, as developed in 23115 Economics for Business and 23566 Economics for Business 2. It develops the ability of students to analyse and critically evaluate these microeconomic issues by equipping them with formal concepts and models. Issues considered in this subject include the theory of consumer choice, competitive strategy and firm behaviour under various market structures, comparative welfare outcomes produced by different market forms, externalities arising from market failure such as pollution and environmental issues, and analysis of public goods. The subject prepares students for further study in a range of specialised microeconomic fields.

23568 Intermediate Macroeconomics

6cp
Requisite(s): 23566 Economics for Business 2 OR 25566 Economics for Business 2
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject extends the treatment of macroeconomics in 23115 Economics for Business and 23566 Economics for Business 2 by introducing students to more formal models that are used to explore issues of current macroeconomic significance. Attention is also given to the operation of macroeconomic policy within these frameworks.

Students broaden their knowledge of current macroeconomic events, develop their abilities to critically analyse macroeconomic phenomena and enhance their skills in effectively communicating the results of their analysis in written form.

23569 Economic Growth and Development

6cp
Requisite(s): (23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics) AND (23568 Intermediate Macroeconomics OR 25568 Intermediate Macroeconomics)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

At the dawn of the 21st century, nations of the world exhibit large differences in material prosperity. Within countries too, the standard of living of the urban elite often contrasts sharply with the rural poor. Economic Growth and Development extends the treatment of economic growth in 23568 Intermediate Macroeconomics incorporating formal behavioural models from 23567 Intermediate Microeconomics.

It develops students' knowledge and understanding of economic growth by considering a wider range of explanations for this phenomenon and applies these explanations to the large differences in material prosperity and policies designed to address this problem.

23570 Economics of the Environment

6cp
Requisite(s): (23115 Economics for Business OR 25115 Economics for Business)) AND (26134 Business Statistics OR ((33130 Mathematical Modelling 1 OR 33230 Mathematical Modelling 2))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Economics of the Environment provides students with an understanding of the contribution economic analysis can make to the solution of environmental problems. After setting the current interest in the environment into its post-industrial-revolution context, the subject examines externalities, ill-defined property rights and the management of natural resources. This leads to questions of valuing the environment (either economically or according to some other criterion), and how to satisfy the legitimate claims of future generations through so-called sustainable development. The subject focuses on the policy question of pollution control and natural resource depletion, applying various policy tools to contemporary examples.

23571 Introductory Econometrics

6cp
Requisite(s): (23115 Economics for Business OR 25115 Economics for Business)) AND (26134 Business Statistics OR ((33130 Mathematical Modelling 1 OR 33230 Mathematical Modelling 2))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Introductory Econometrics equips students with a general knowledge of regression analysis and model building, which stands them in good stead for basic empirical work in business environments. In particular, students are able to quantify the effects of causal variables and predict using regression models. The approach to modelling, and the reasoning about multi-variable empirical relationships, strengthens students' analytic skills.

23572 Applied Microeconometrics

6cp
Requisite(s): 23571 Introductory Econometrics OR 25571 Introductory Econometrics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Applied Microeconometrics equips students with a general knowledge of model building, which stands them in good stead for basic empirical work in business environments. It provides students with the analytic tools required for further study in cross sectional econometrics. The approach to modelling, and the reasoning about multi-variable empirical relationships, strengthens students' analytic skills.

23580 The Global Economy (Capstone)

6cp
Requisite(s): (23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics)) AND ((23568 Intermediate Macroeconomics OR 25568 Intermediate Macroeconomics)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This capstone subject outlines an economic perspective on contemporary globalisation. This is done by considering trade theory and open economy macroeconomics, by internationalising concepts that apply equally within economies and by considering perspectives on globalisation. It emphasises contemporary debates related to the global mobility of capital, trade and labour. The subject focuses on policy solutions for global challenges, such as poverty and environmental degradation, and on understanding the worldview of the advocates of particular policy solutions. Students are guided to their own reflective conclusions about the applicability and limitations of mainstream economic analysis.

23591 Economics of Law

6cp
Requisite(s): 23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics
Undergraduate

This subject introduces economic concepts underlying the law. It examines and critiques various aspects of the law from the perspective of economics and applies economic tools and concepts to the interpretation and analysis of law and legal institutions.

23592 Game Theory

6cp
Requisite(s): 23115 Economics for Business OR 25115 Economics for Business
Undergraduate

This subject introduces students to game-theoretic concepts used in solving a wide range of economic and non-economic problems. It provides a range of techniques for analysing strategies in both cooperative and non- cooperative settings and explores many applications.

23593 Industrial Organisation

6cp
Requisite(s): 23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics
Undergraduate

Industrial Organisation examines the relationships between firms strategies and the market and regulatory environment in which they operate. The subject introduces students to the methods and models used by economists to analyse the behaviour of firms and industries. The models are applied to a range of problems in both the private and public sectors.

23623 Alternative Perspectives in Contemporary Economics

6cp
Requisite(s): (23567 Intermediate Microeconomics OR 25567 Intermediate Microeconomics) AND (23568 Intermediate Macroeconomics OR 25568 Intermediate Macroeconomics)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Economics contains an exciting diversity of instructive analytical approaches. The first objective of this subject is to understand eight of the main schools of thought in contemporary economics, all of which have something significant to say about economies and economics. This provides an overview of economics as a whole, introduces students to different analytical perspectives on economic theory and policy, and delivers an understanding of the insights offered by each school. The schools of thought are neoclassical economics, behavioural economics, post-Keynesian economics, institutional economics, Austrian economics, Marxist economics, ecological economics and feminist economics. Each perspective is examined in terms of its conceptual foundations, modes of analysis, and strengths and weaknesses.

The second objective of the subject is to foster in students a wide range of graduate attributes or skills that are beneficial in the workplace and personal life. These include analytical thinking, critical thinking, creative thinking, public speaking, leadership, mentoring, teamwork, written communication (analytical and creative), cultural awareness, gender awareness and independent learning. The subject uses content-related activities such as games, debates, presentations and exercises which provide environments that are highly conducive to the development of these skills.

23706 Economics for Management

6cp
Requisite(s): 21878c Organisational Dialogue: Theory and Practice OR 26001 Business Communication Skills
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject comprises two parts which deal with the fundamental principles of microeconomics and macroeconomics as they relate to business management. The microeconomics part of the subject examines the forces of supply and demand, consumer behaviour, the nature of production costs, price setting by firms in a range of market types, the rationale and ethical underpinnings of trade practice restrictions and the fundamental forces affecting international trade. The macroeconomics part of the subject is concerned with the larger scale aspects of the economic systems in which businesses operate. It examines the determinants of gross domestic product, the behaviour of the general price level and inflation, unemployment, and the forces that affect the general rate of interest. Attention is also given to the nature, ethical rationale and impact of government policies on the macroeconomic environment and business conditions.

23781 Readings in Economics

6cp
Postgraduate

Students wishing to enrol in this subject should seek the approval of the head of the Economics Discipline Group.

23787 Health Technology Assessment

6cp
Postgraduate

This subject provides knowledge of the context and methods of health technology assessment, particularly the use of health economics theory and methods, economic evaluation and clinical epidemiology in evaluating the implications of the introduction of new health care interventions, including procedures, diagnostic tests, devices and drugs. The subject covers how to define a health technology assessment question, identify appropriate data, methods of analysis and interpretation of results.

23845 Managerial Economics

8cp
Requisite(s): 25841 Decision Making Tools
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces the theory of the firm and other major economic themes that provide students with an understanding of managerial decision-making. It outlines the economic forces that influence corporate strategy, enabling participants to acquire a range of skills and expertise expected of corporate managers. The outcomes are achieved using learning strategies that foster the application of leading-edge practices to meet the business challenges arising from international forces, and technical and knowledge innovation.

23907 Advanced Microeconomics

6cp
Requisite(s): 25917c Advanced Macroeconomics AND 23909c Thesis Proposal in Economics (Honours) AND 23908c Economic Modelling
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Honours

Advanced Microeconomics extends earlier training received by students in subjects such as Intermediate Microeconomics, Game Theory and Mathematical Economics by providing both stronger analytical foundations for the results and frameworks derived in those subjects, and by extending principles learned previously to new areas of analysis.

23908 Economic Modelling

6cp
Requisite(s): 25917c Advanced Macroeconomics AND 23909c Thesis Proposal in Economics (Honours) AND 23907c Advanced Microeconomics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Honours

Economic Modelling extends earlier training received by students in their economics major by introducing students to a selection of economic modelling approaches that are at the heart of modern economic research based on experimental and observational data. Specifically, it extends the set of topics covered to include methods for panel data analysis, instrumental variables, maximum likelihood estimations, and others.

23909 Thesis Proposal in Economics (Honours)

6cp
Requisite(s): 25917c Advanced Macroeconomics AND 23908c Economic Modelling AND 23907c Advanced Microeconomics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Honours

This subject trains students to conceptualise, develop and defend a research proposal on an original problem of a theoretical or applied nature in economics.

23910 Thesis in Economics (Honours)

18cp
Requisite(s): 23909 Thesis Proposal in Economics (Honours)
There are also course requisites for this subject. See access conditions.
Honours

The subject allows students to research and write a thesis on the proposal developed in Thesis Proposal in Economics (Honours). Students receive regular guidance and feedback from their thesis supervisors. The Honours thesis requires the student to produce a 20,000-word (maximum) thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner.

23917 Advanced Macroeconomics

6cp
Undergraduate

Advanced Macroeconomics extends earlier training received by students in subjects such as Macroeconomics: Theory and Applications and Economics of Money and Finance by providing both stronger analytical foundations for the results and frameworks derived in those subjects, and by extending principles learned in them to new areas of analysis. Specifically, it provides rigorous treatment of the microeconomic underpinnings of key macroeconomic phenomena such as investment and consumption. It also examines questions of economic growth and business cycles in some detail and provides a theoretical framework for discussion of macroeconomic policy.

23918 Economic Policy Seminar

6cp
Requisite(s): 25917 Advanced Macroeconomics AND 25907 Theory of Financial Decis.Making(Hon AND 23908 Economic Modelling
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines important recent developments in policy and regulation in the Australian economy. Frameworks are developed to understand and evaluate these developments, especially for Australian business. Developments studied include: the introduction of inflation targeting, medium term fiscal strategy; the Wallis Inquiry and financial regulation reform; national competition policy; and telecommunications policy.

23926 PhD Thesis: Economics

0cp
Postgraduate

Students must undertake original research, supervised by a senior member of the school's academic staff. Students must prepare a proposal, present it and gain approval before proceeding. The thesis should advance knowledge in the area of economics, and should be of a standard publishable in an international refereed journal.

23990 Master of Business Thesis (Economics)

0cp

Students are required to complete a thesis which is considered to involve an amount of study equivalent to four semesters for full-time study, and six semesters for part-time study. The thesis is expected to present original research of a theoretical or applied nature in finance or economics. It is not expected to advance knowledge, as is required in the case of a PhD thesis, but it should give evidence of the student's ability to engage in a substantial investigation, identify and analyse research problems and present the results in a coherent and scholarly manner.

23999 Business Internship

6cp; availability: students need to have completed 72 credit points of study at credit average to enrol in this subject
Requisite(s): 72 Credit Points in spk(s): C10026 Bachelor of Business OR 72 Credit Points in spk(s): C10027 Bachelor of Business OR 96 Credit Points in spk(s): C10020 Bachelor of Business Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10021 Bachelor of Business Bachelor of Arts in International Studies OR 78 Credit Points in spk(s): C10235 Bachelor of Accounting OR 144 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 144 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 144 Credit Points in spk(s): C10162 Bachelor of Science Bachelor of Business OR 144 Credit Points in spk(s): C10163 Bachelor of Medical Science Bachelor of Business OR 144 Credit Points in spk(s): C10169 Bachelor of Biotechnology Bachelor of Business OR 144 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject, students undertake an internship with an organisation in a capacity relevant to their academic studies. This assists in developing employment skills, knowledge and contacts which can contribute to their career goals. Through their internship, students are exposed to the professional functions and activities relevant to their field of study (major). A written reflection and report on the outcomes of the internship is required. Students must undertake at least 210 hours of work with a host organisation, which is equivalent to six weeks or 30 days of full-time experience. The terms and time frame of the experience are flexible and may be negotiated between the student and host organisation. The internship must be based on an agreed and approved program of work which aims to achieve predetermined learning objectives.

24100 Applied Project in Marketing (Capstone)

6cp
Requisite(s): 24202 Consumer Behaviour AND 24309 Marketing Research AND 24415 Marketing Planning and Strategy AND Two subjects from 24104, 24210, 24220, 24223, 24222, 24224, 24205, 24306, 24331
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject allows students to apply the marketing knowledge they have gained in previous subjects to a real-world project. It provides them with an opportunity to utilise their research skills and advance their time management, project management and teamwork skills.

24101 Applied Project in Marketing Communication (Capstone)

6cp
Requisite(s): 24202 Consumer Behaviour AND 24309 Marketing Research AND Three subjects from 59330, 24210, 24207, 24510, 59333
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject allows students to apply the marketing communication knowledge they have gained in previous subjects to a real-world project. It provides them with an opportunity to utilise their research skills and advance their time management, project management and teamwork skills.

24104 Emerging Marketing Issues and Social Media

6cp
Requisite(s): 24108 Marketing Foundations
Undergraduate

Marketing is a dynamic area of business that continues to evolve as a result of changes in technology, competitive landscape and consumer behaviour. This subject provides students with the opportunity to investigate marketing issues that emerge over time, and transform the way consumers and businesses respond to them. Topics surrounding social media and e-marketing are a particular focus of this subject.

24108 Marketing Foundations

6cp
Requisite(s): 26100c Integrating Business Perspectives
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject covers the basic principles of marketing. It develops an understanding of the overall process of marketing planning, implementation and control in the contemporary business environment and also develops a basic understanding of marketing information systems; market research and marketing ethics; market segmentation; buyer behaviour; product development; and the development of product, distribution, promotion and pricing strategies for both goods and services domestically and internationally.

24202 Consumer Behaviour

6cp
Requisite(s): 24108 Marketing Foundations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

A clear understanding of consumer behaviour is critical for developing and evaluating effective marketing strategies. This subject provides a theoretical grounding in the field of customer behaviour examining both the internal and external human factors affecting behaviour and decision-making. It develops an awareness and understanding of customers as the central focus of marketing action, and discusses relevant theories developed in marketing, psychology and other behavioural sciences. This subject develops students' abilities to apply customer behaviour concepts to marketing problems.

Typical availability

Autumn semester, City campus
Spring semester, City campus
Autumn semester, Kuring-gai campus
Spring semester, Kuring-gai campus
Autumn semester, Kuala Lumpur
Spring semester, Kuala Lumpur

24205 Business-to-Business Marketing

6cp
Requisite(s): 24108 Marketing Foundations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

The marketing of industrial goods and services poses some unique challenges. This subject provides an integrated managerial and strategic approach that places industrial goods and services issues within a broader general marketing management context and addresses the need for business marketers not only to understand buyer needs and behaviors, but also how to use these insights to develop strategies for competing effectively in the marketplace. Organised around a strategic marketing framework, this subject develops the knowledge and skills to develop and implement an effective business marketing strategy.

Typical availability

Autumn semester, City campus

24207 Media Planning

6cp
Requisite(s): 24210 Integrated Marketing Communications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject focuses on the important role of media planning in the development of an organisation's marketing communications activities. It provides an understanding of the media planning process and strategic decision-making behind media selection in successful advertising campaigns. It also provides both a theoretical and practical approach to media planning.

24210 Integrated Marketing Communications

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines all aspects of integrated marketing communications from an advanced viewpoint based on theory and research findings. It provides managers with systematic approaches to setting marketing communications objectives, establishing budgets, identifying relevant target audiences, formulating and testing strategies and evaluating campaign results. It considers contemporary issues in advertising, together with reference to complementary aspects such as publicity and direct marketing and includes an applied project covering these decision factors.

Typical availability

Autumn semester, City campus

24220 International Marketing

6cp
Requisite(s): 24108 Marketing Foundations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject develops an understanding of marketing influences on demand for products and services in international environments. This involves consideration of cultural, political, legal and other environmental forces that facilitate or hinder exchanges among diverse sellers and buyers. Students learn different strategies that could be used in an international context to meet the needs and wants of diverse customers while concurrently enabling international marketers to achieve their goals and objectives.

Typical availability

Summer session, City campus

Spring semester, China

Spring semester, Kuala Lumpur

Spring semester, Kuring-gai campus

Autumn semester, City campus

Autumn semester, Kuala Lumpur

Spring semester, City campus

24222 Marketing Channels

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject develops the knowledge and skills to design, develop, maintain and manage effective relationships among worldwide marketing channels to achieve sustainable competitive advantage by using strategic and managerial frames of reference.

24223 New Product Marketing

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides future new product managers, project managers and team leaders with a comprehensive set of knowledge and skills to manage new product development processes including how to develop an effective development strategy, and generate and evaluate concepts. It offers a managerial focus, with an emphasis on understanding the issues and solving the problems by implementing a variety of state-of-the-art methods and perspectives, and integrates marketing, R&D, production engineering, and financial aspects of new product design and marketing.

24224 Pricing Strategies and Tactics

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour AND 24309 Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Pricing directly affects a firm's bottom line. It is through pricing that managers can affect revenues and profit. This subject builds the required knowledge and competencies so that managers can generate revenues through the development of profitable value-oriented pricing strategies and tactics.

24306 Services Marketing

6cp
Requisite(s): 24108 Marketing Foundations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject enables students to broaden their understanding of marketing by focusing on the marketing of services. Services dominate the global economy and are becoming critical for competitive advantage in organisations across the world and in all industry sectors. Services require a distinctive approach to marketing strategy, both in its development and execution. The subject explores the foundations of services marketing and teaches students how to create, promise, and deliver a successful, interactive customer experience.

24309 Marketing Research

6cp
Requisite(s): 24108 Marketing Foundations AND (((26133 Business Information Analysis OR 26134 Business Statistics)) OR (33130 Mathematical Modelling 1 AND 33230 Mathematical Modelling 2))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject covers the basic marketing research procedures including analytical and interpretive skills that allow marketing analysts and managers to carry out and evaluate practical and useful marketing research. It develops an understanding of the overall process of marketing research design, implementation and control in the contemporary business environment and also develops a basic understanding of data collection and analysis techniques. Students undertaking this subject develop skills necessary for careers in analytical or research fields.

Typical availability

Autumn semester, City campus

24331 Marketing Analytics and Decisions

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour AND 24309 Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Several forces are transforming the structure and content of the marketing profession. Marketers are seeing increasingly faster changes in the marketplace and are barraged with an ever increasing amount of information. While many view traditional marketing as art, and some view it as a science, the new marketing increasingly looks like engineering. This subject, combined with a comprehensive collection of leading-edge software models, provides the marketers with the know-how and tools to collect the right information and perform analysis to make better marketing plans, better product designs and better decisions. Taking this subject assists in translating concepts into context-specific operational decisions and actions using analytical, quantitative and computer modelling techniques; linking theory to practice and practice to theory.

Typical availability

Autumn semester, City campus

24415 Marketing Planning and Strategy

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour AND 24309 Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject covers the knowledge and skills necessary to create and sustain superior performance in the marketplace through market-led strategic management. It focuses on the essential issues in strategy, such as opportunity identification, strategy formulation and strategy implementation. There is almost never one right answer to a business scenario, but strong analysis skills always deliver a much better set of answers than weak analysis skills. The subject develops a competence to develop marketing within organisations as a strategic force rather than just as an operational department.

24510 Advertising Research

6cp
Requisite(s): 24202 Consumer Behaviour AND 24309 Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject students undertake a multi-stage group project that initially involves target market research. It later involves advertising strategy and executional development followed by advertising research to determine the effectiveness of those executions. It finally involves presentation of validated campaign recommendations.

Students must attend the first class to be included in a consultancy team.

24667 Qualitative Research

6cp
Requisite(s): 24309 Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Qualitative research is a growth area in both academic and commercial marketing research. This subject introduces students to a different methodological approach from that which is commonly emphasised in market research subjects. Alternative research designs are considered, along with the associated instrumentation, data collection and analysis. Communication of results for a range of academic and industry audiences is also considered.

24668 Professional Relationship Selling

6cp
Requisite(s): 24108 Marketing Foundations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject addresses the key issues relating to the role of a business-to-business salesperson. Topics include the psychology of selling, the role of the sales professional in uncovering customer and competitor intelligence, the sales process, relationship selling and self-management and motivation. The importance of ethical selling practices with respect to the firm, the customer and society is highlighted.

24706 Strategic Services Marketing

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The marketing of services poses some unique challenges. This subject provides an integrated managerial and strategic approach that places services issues within a broader general marketing management context and addresses the need for service marketers not only to understand customer needs and behaviours, but also how to use these insights to develop strategies for competing effectively in the marketplace. Organised around a strategic marketing framework, this subject develops advanced knowledge and practical competencies to develop and implement an effective services marketing strategy.

Typical availability

Autumn semester, City campus

24707 Strategic Business Marketing

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The marketing of industrial goods and services in business-to-business contexts poses unique challenges. This subject provides an integrated managerial and strategic approach that places industrial goods and services issues within a broader general marketing management context and addresses the need for business marketers not only to understand buyer needs and behaviors, but also how to use these insights to develop strategies for competing effectively in the marketplace. It covers topics including value generation in business-to-business contexts, value gap analysis, building business networks, and developing, implementing and coordinating business-to-business marketing programs. Organised around a strategic marketing framework, this subject develops advanced knowledge and practical competencies to develop and implement an effective business marketing strategy.

Typical availability

Autumn semester, City campus

Spring semester, City campus

24710 Buyer Behaviour

6cp
Postgraduate

This subject focuses on the issues relating to the understanding of customer behavior and on the application of such understanding to marketing practice. Topics include: individual determinants such as perception, learning and memory, motivation, personality and attitudes, as well as environmental influences such as culture and cross-cultural issues, social influences, social class, and situational influences, and the decision-making process.

24713 Marketing Channel Management

6cp
Requisite(s): ((24734 Marketing Management OR 24746 Marketing: Concepts and Applications) AND 24710 Buyer Behaviour)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops advanced knowledge and practical competencies to design, develop, maintain and manage effective relationships among worldwide marketing channels to achieve sustainable competitive advantage by using strategic and managerial frames of reference.

24720 Marketing Research

6cp
Postgraduate

This subject provides a comprehensive account of the marketing research process, from problem recognition and definition through all the procedural steps of findings and recommendations for marketing decision-making. Specific treatment of the nature, role and management of marketing information in a corporate setting provides a basis for discussion and development of research methodology. Topics covered include a fundamental component of the marketing process; the generation and management of the marketing information resources of an organisation. In this sense, the subject is critical to discussion of specific, functional decision areas of marketing in other subjects in the course. The practical emphasis further contributes to the student's understanding of the problems and potentials inherent in the collection and analysis of marketing data.

24730 Marketing Strategy

6cp
Requisite(s): 24734c Marketing Management AND 24710c Buyer Behaviour AND 24720c Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject covers advanced knowledge and practical competencies to create and sustain superior performance in the market place through market-led strategic management. It focuses on the two essential issues in marketing strategy formulation: the identification of target markets and the creation of a differential advantage. The subject develops a competence to develop marketing within organisations as a strategic force rather than just as an operational department.

Typical availability

Autumn semester, City campus

24734 Marketing Management

6cp
Requisite(s): 21878c Organisational Dialogue: Theory and Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject focuses on the issues relating to the management of effective, ethical, sustainable marketing strategies, marketing mix plans, and tactics for profit and non-profit organisations across various types of industries. Topics include: the role of the marketing functions in current organisations, understanding customers, collection and use of market information, developing marketing strategies and implementation plans, and integration of the marketing function with other functional disciplines within the organisation.

24736 Marketing Communications

6cp
Requisite(s): ((24734 Marketing Management OR 24746 Marketing: Concepts and Applications) AND 24710 Buyer Behaviour)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines advertising, promotion and business communication decisions from an advanced viewpoint based on theory and research findings. It provides managers with systematic approaches to setting advertising and promotion objectives, establishing budgets, identifying relevant target audiences, formulating and testing strategies and evaluating campaign results. It considers contemporary issues in advertising, together with reference to complementary aspects such as publicity and direct marketing and includes an applied project covering these decision factors.

24738 Strategic International Marketing

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The marketing of goods and services across cultures and in different international environments poses some unique challenges. This subject provides an integrated managerial and strategic approach that places international issues within a broader general marketing management context and addresses the need for international marketers not only to understand customer needs and behaviours but also how to use these insights to develop strategies for competing effectively in the marketplace. Organised around a strategic marketing framework, this subject develops advanced knowledge and practical competencies to develop and implement an effective international marketing strategy.

Typical availability

Summer session, City campus

24740 Seminar In Research Methods

6cp

For further details, contact UTS: Business.

24742 New Product Management

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject has been designed to enable students to develop an in-depth understanding of the processes, philosophies and concepts associated with new product management in contemporary organisations. Although the focus is on new products, the forces driving the process stem from the need for organisations to remain relevant, effective and competitive in a dynamic environment. While the subject matter is primarily from the field of marketing, the nature of successful product and growth management requires sensitivity to other fields of study such as strategic management, finance, manufacturing, information technology and organisational behaviour in order to effectively guide the process. This subject requires students to explore the various fields of study and examine research as a basis for building a strong, practically oriented capability for new product management.

Individual and team projects have been designed into the subject which require students to come to terms with the applied aspects of new product management. Students own work experiences also greatly facilitate class discussion and debate on the topic.

24750 Marketing Analytics

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Several forces are transforming the structure and content of the marketing profession. Marketers are seeing increasingly faster changes in the marketplace and are barraged with an ever increasing amount of information. While many view traditional marketing as art and some view it as science, the new marketing increasingly looks like engineering. This subject, combined with a comprehensive collection of leading-edge software models, provides the marketers with the know-how and tools to collect the right information and perform analysis to make better marketing plans, better product designs, and better decisions. This subject assists in translating concepts into context-specific operational decisions and actions using analytical, quantitative, and computer modelling techniques; linking theory to practice and practice to theory.

24756 Philosophy of Science

6cp
Postgraduate

This subject develops an understanding of the philosophy of science and associated implications for theory developments. It helps students develop advanced skills that are critical to both knowledge generation in business theory and problem solving in business practice.

24757 Research Methodology and Data Analysis Tools

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject addresses comprehensive and practical considerations of research methodology, data characteristics and processing, multivariate data analysis approaches (statistical considerations and applications), and communication of marketing research results. It helps students develop advanced research skills that are critical to both knowledge generation in marketing theory and problem solving in marketing practice.

24758 Readings in Marketing

6cp
Postgraduate

This subject allows students to undertake a program of reading in a specified area of marketing under the direction of a supervising lecturer. Specific areas of study may vary from semester to semester and depend on availability of supervisory staff. Students meet regularly with the supervising lecturer to discuss reading content, and students must write a major paper as the assessment task, as directed by the supervisor.

24759 Research Design and Data Collection Tools

6cp
Requisite(s): 24734 Marketing Management OR 24746 Marketing: Concepts and Applications
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject covers an advanced consideration of the management of the marketing research process, research designs, sources of marketing data, qualitative and quantitative data collection procedures, measurement, scaling, and questionnaire design. It is a research-focused subject with a strong emphasis on the development of advanced research skills that are critical to knowledge generation in marketing theory, research-driven academic and commercial activities, and problem solving in marketing practice.

24760 Pricing and Revenue Management

6cp
Requisite(s): ((24734 Marketing Management OR 24746 Marketing: Concepts and Applications) AND 24710 Buyer Behaviour)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Managers too often rely on heuristics when setting prices and stay away from rigorous analysis. Pricing, however, directly affects a firm's bottom-line. It is through pricing that managers can affect and maximise revenues and profit. This subject builds the required knowledge and competencies so that managers can generate revenues through the development of profitable value-oriented pricing strategies and tactics.

24770 Thesis in Marketing (Honours) 1

6cp
Undergraduate

This subject requires the student to produce a written thesis research proposal of about 6000 words that forms the basis of the research to be carried out in 24771 Thesis in Marketing (Honours) 2. Students are allocated an academic supervisor from within the School of Marketing, with whom they meet regularly throughout their enrolment in the subject. The subject develops the student's competency in carrying out a critical review of the literature, choosing appropriate research methodologies, and the writing of the research proposal.

24771 Thesis in Marketing (Honours) 2

18cp
Requisite(s): 24770 Thesis in Marketing (Honours) 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject requires the student to complete and present a 20,000-word (maximum) thesis based on an original marketing problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner. The topic may be derived from any marketing-related area. The replication and extension of a published academic marketing article could also be considered.

24780 Readings in Marketing

6cp
Postgraduate

This subject is undertaken under the direction of a member of staff. The topic must be approved by the head of the School of Marketing. Formal lectures in selected areas may be required, as directed by the supervising lecturer. The subject allows a degree of flexibility in programming for specialised needs of individual students, but can only be undertaken as part of the Master of Business in Marketing program. Topics chosen should be related to other subjects within the student's area of specialisation.

24790 Business Project: Marketing

6cp
Requisite(s): ((24734 Marketing Management OR 24746 Marketing: Concepts and Applications)) AND 24710 Buyer Behaviour AND 24720 Marketing Research AND 24730 Marketing Strategy
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is a simulated business consultancy project that allows students to investigate a specific business activity related to marketing, using a company of the student's choice. It covers many aspects of marketing, marketing strategy and specialist marketing subjects. Students are required to apply a range of marketing and non-marketing theories already covered in their degree.

24800 Managerial Marketing

8cp
Postgraduate

Managerial Marketing allows students to develop and execute a marketing strategy for their simulated firm, including product and brand management, research and development, pricing, distribution, and sales force management. The setting for the simulation is a technology-based industry in which teams initiate operations for their firm and receive information on customer needs, customer satisfaction with brands, prices and products. Simulation participants learn to interpret competitors' tactics and how to adjust their firm's marketing strategy to stay ahead of the competition. The consequences of team actions on both brand profitability and firm profitability become apparent throughout the simulation.

24807 Marketing Strategy in Practice

8cp
Postgraduate

This is a highly personalised subject that brings students' classroom learning back to their companies. The project provides an opportunity for candidates to investigate a specific marketing issue faced by their employer (or a firm of their choice), to create competitive advantage in their markets and to add value to their organisations. This life-long learning process starts during classroom sessions and continues after the subject has concluded. Individuals conduct a strategic marketing analysis on their chosen organisation and solicit guidance on marketing issues from their faculty advisers. This process facilitates the development of a valuable, new competitive marketing strategy for each candidate's chosen firm.

24808 Advanced Marketing Strategies

8cp
Requisite(s): 24807 Marketing Strategy in Practice
There are also course requisites for this subject. See access conditions.
Postgraduate

Marketing theory and practice evolve constantly, with new frameworks and tools being developed. This subject provides an overview of the most current marketing thinking and illustrates how recent advances can be applied to the workplace to create value for organisations. It develops general management competencies so that decisions concerning marketing can be made more confidently.

24901 Philosophy of Science and Theory

6cp
Undergraduate

This subject introduces the basics of scientific method and shows how to apply it to the evaluation and development of business theory in teaching, practice and research. The evolution of business thought is used as the primary way of considering what business theories there are, their quality and their usefulness in progressing research in business.

24902 Research Methodology and Data Analysis Techniques

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour AND 24309 Marketing Research AND 24908 Research Design and Data Collection Techniques
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject addresses comprehensive and practical considerations of research methodology, data characteristics and processing, multivariate data analysis approaches (statistical considerations and applications), and communication of marketing research results. It helps students develop advanced research skills that are critical to both knowledge generation in marketing theory and problem solving in marketing practice.

Typical availability

Autumn semester, City campus

24903 Readings for Thesis in Marketing (Honours)

6cp
Undergraduate

This subject provides an opportunity to engage in a structured literature review to assist in selecting a thesis topic. It improves awareness of up-to-date research in marketing by exploring current research activities of recently published authors.

24907 Research Management and Strategy Techniques

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour AND 24309 Marketing Research
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject addresses the integration of all aspects of marketing research into comprehensive plans and courses of action. It includes aspects of project planning, design and execution including client service and management. It helps students develop advanced research skills that are critical to both knowledge generation in marketing theory and problem solving in marketing practice.

24908 Research Design and Data Collection Techniques

6cp
Requisite(s): 24108 Marketing Foundations AND 24202 Consumer Behaviour AND 24309 Marketing Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject covers an advanced consideration of the management of the marketing research process, research designs, sources of marketing data, qualitative and quantitative data collection procedures, measurement, scaling and questionnaire design. It helps students develop advanced research skills that are critical to both knowledge generation in marketing theory and problem solving in marketing practice.

Typical availability

Autumn semester, City campus

24982 PhD Thesis: Marketing

0cp
Postgraduate

Students must undertake original research, supervised by a senior member of the school's academic staff. Students must prepare a proposal, present it and gain approval before proceeding. The thesis should advance knowledge in the area of marketing, and should be of a standard publishable in an international refereed journal.

24990 Master of Business Thesis (Marketing)

0cp

Students are required to complete a thesis which is considered to involve an amount of study equivalent to four semesters for full-time study, and six semesters for part-time study. The thesis is expected to present original research of a theoretical or applied nature in marketing. It is not expected to advance knowledge, as is required in the case of a PhD thesis, but it should give evidence of the student's ability to engage in a substantial investigation, identify and analyse research problems and present the results in a coherent and scholarly manner.

24999 Business Internship

6cp; availability: students need to have completed 72 credit points of study at credit average to enrol in this subject
Requisite(s): (72 Credit Points in spk(s): C10026 Bachelor of Business OR 72 Credit Points in spk(s): C10027 Bachelor of Business OR 96 Credit Points in spk(s): C10020 Bachelor of Business Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10021 Bachelor of Business Bachelor of Arts in International Studies)) OR ((78 Credit Points in spk(s): C10235 Bachelor of Accounting OR 144 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 144 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 144 Credit Points in spk(s): C10162 Bachelor of Science Bachelor of Business OR 144 Credit Points in spk(s): C10163 Bachelor of Medical Science Bachelor of Business OR 144 Credit Points in spk(s): C10169 Bachelor of Biotechnology Bachelor of Business OR 144 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject, students undertake an internship with an organisation in a capacity relevant to their academic studies. This assists in developing employment skills, knowledge and contacts which can contribute to their career goals. Through their internship, students are exposed to the professional functions and activities relevant to their field of study (major). A written reflection and report on the outcomes of the internship is required. Students must undertake at least 210 hours of work with a host organisation, which is equivalent to six weeks or 30 days of full-time experience. The terms and time frame of the experience are flexible and may be negotiated between the student and host organisation. The internship must be based on an agreed and approved program of work which aims to achieve predetermined learning objectives.

25005 Economics and Finance of the Life Cycle

6cp
Requisite(s): (25567 Intermediate Microeconomics OR 23567 Intermediate Microeconomics)) OR 25562 Economics of the Firm OR (25503 Investment Analysis AND (25566 Economics for Business 2 OR 25555 Macroeconomics: Theory and Applications OR 23566 Economics for Business 2)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Economics and Finance of the Life Cycle examines the management of wealth across the life cycles of individuals and households. Unlike corporations and economies, individuals typically plan their spending and saving within a lifetime frame, deciding on education, workforce participation, asset acquisition, retirement and bequests. These decisions are made within the context of national retirement savings

systems. Standard investment risks are complicated by uncertain human capital, uncertain longevity and health risks, among other factors. Economics and Finance of the Life Cycle develops a theoretical framework for managing lifetime wealth in a risky environment.

25050 Financial Valuation and Strategy

6cp
Undergraduate

This subject develops an understanding of the relationship between financial information and multinational corporate strategic decisions. Analytical skills using financial tools are integrated with economic fundamentals to aid in decisions involving cross-border operations and performance evaluation. This subject encourages a broad perspective by focusing on financial implications of decisions.

25051 International Risk Management and Insurance

6cp

The concepts of risk and the management of risk are introduced as both a threat and an opportunity. The relevance of the risk management process within an economy is explored from a socioeconomic and sociolegal perspective. The impact of these processes are then analysed from an international perspective. Key elements of the process are then explored, addressing the variance in the processes at levels within an economy ranging from that of the individual, the corporation and the state.

The role of insurance as an effective risk treatment strategy is explored from both an economy internal and international perspective. The analysis seeks to identify the extent to which this role is impacted upon by external influences.

25052 International Banking Management

6cp
Undergraduate

This subject teaches the fundamentals of managing a financial institution in an international context. The principles are applied in the context of banks, but have a wider relevance to the management of non-bank financial institutions. The structure of the financial system and problems posed by managing financial institutions in today's environment are studied. Students also assess the performance of financial institutions from a creditors, investors and regulators' viewpoint. The principles of asset liability management, capital and foreign exchange risk management are studied in response to a changing environment in prudential supervision and the important of the ending function. The subject topics include: banking risks, performance evaluation, capital adequacy, the formulation of loan policy, loan pricing, project finance, country risk analysis, trade and international finance.

25053 International Financial Management

6cp
Undergraduate

The subject provides students with a general understanding of the financial management aspects of international business as well as the international financial system. It builds on learning outcomes from economics, finance and quantitative methods to provide students with a capability to undertake international finance case studies.

25208 Advanced Financial Planning

6cp
Requisite(s): 25503 Investment Analysis AND 25415 Personal Financial Planning
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to the process of developing and implementing a range of personal financial plans designed to meet the needs of a range of personal investors within a contemporary social, economic, legal and regulatory context.

25300 Fundamentals of Business Finance

6cp
Requisite(s): 26100c Integrating Business Perspectives
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

The subject develops an understanding of the core principles of finance and their applications to financial decision-making. Topics include an overview of the financial markets, time value of money, valuation of securities, risk-and-return, capital budgeting decisions and financing decisions.

25410 Corporate Financial Analysis (Capstone)

6cp
Requisite(s): 25557 Corporate Finance: Theory and Practice AND 25503 Investment Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject examines the use of financial statements in assessing a firm's financial health, its strengths, weaknesses, recent performance and future prospects. It examines financial statement forecasting and modelling with an emphasis on cash flow reconstructions from financial statements. Special issues dealing with financial statement information are emphasised in some depth. These issues include: market efficiency, asset pricing, corporate restructuring and business valuation, debt ratings and financial distress.

25415 Personal Financial Planning

6cp
Requisite(s): (25300 Fundamentals of Business Finance AND (26134 Business Statistics OR 26133 Business Information Analysis) AND (25115 Economics for Business OR 23115 Economics for Business))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides an introduction to the theory and practice relevant to the management of personal financial risks. It provides an understanding of the fundamental techniques and analytical tools used in this process and identifies strategies suitable for securing both short and longer-term objectives in a dynamic social, economic and regulatory environment.

25421 International Financial Management

6cp
Requisite(s): 25557 Corporate Finance: Theory and Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces students to the concepts of international finance and the financial management of international businesses. Topics covered include foreign exchange, global financial markets, foreign exchange risk and its management, and financial decision-making techniques used by international business. Areas considered include trade finance, multinational working capital management, direct foreign investments and global financing.

25491 Investment Analysis and Risk Management

6cp
Requisite(s): 25300 Fundamentals of Business Finance
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject develops a set of tools for making investment and risk management decisions. It introduces the pricing of financial securities and derivatives and provides a foundation for analysing risk and return of financial assets. The topics covered include risk and risk aversion, portfolio optimisation, the pricing of equities, bonds, and derivative contracts. Students learn to use derivative contracts to manage investment risks.

25503 Investment Analysis

6cp
Requisite(s): 25556 The Financial System AND ((35151 Introduction to Statistics AND 35102 Introduction to Analysis and Multivariable Calculus) OR 25622 Quantitative Business Analysis)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces the conceptual and theoretical framework of the portfolio approach to investments and the investment management process. It applies the techniques of mean-variance diversification to portfolio construction and performance evaluation. Asset pricing models and their applications are also reviewed along with other principles of asset valuation and risk management.

25556 The Financial System

6cp
Requisite(s): 25300 Fundamentals of Business Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

The aim of this subject is to develop an understanding of the operations of a modern financial system, covering its payment, financing and market-risk management activities. Its main topic areas are financial institutions, financial markets (such as stocks, bonds and foreign exchange) and derivatives (such as futures and options).

25557 Corporate Finance: Theory and Practice

6cp
Requisite(s): 25556 The Financial System
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject develops the concepts of corporate finance introduced in 25300 Fundamentals of Business Finance. This includes an examination of analytical techniques used in capital budgeting decisions and the capital structure decisions. Capital structure, estimation of the cost of capital and the dividend decision are examined from an empirical and theoretical viewpoint. The effects of working capital management policy and international finance on the value of the firm are also considered.

25558 Issues in Corporate Finance

6cp
Requisite(s): 25557 Corporate Finance: Theory and Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject explores advanced topics in corporate finance. Specific issues covered include the impact of taxation, agency conflicts and option pricing theory on corporate financial decisions; new-start valuation and financing; takeovers, mergers and acquisitions; and corporate restructuring.

25573 Time Series Econometrics

6cp
Requisite(s): 25503 Investment Analysis OR 25571 Introductory Econometrics OR 23571 Introductory Econometrics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject equips students with a general knowledge of model building, which stands them in good stead for basic empirical work in business environments. It provides the analytic tools required for further study in time series econometrics. The approach to modelling, and the reasoning about multi-variable empirical relationships, strengthens students' analytic skills.

25574 Commercial Bank Management

6cp
Requisite(s): 25556 The Financial System
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject provides a detailed examination of the fundamentals of the management, risk, regulation and operation and performance of a commercial bank. The subject examines the theoretical concepts underpinning the operation of commercial banking in the form of financial intermediation and the unique role of banks in the economy. The structure of the financial system and problems posed by managing commercial banks in today's environment are given real-time practical applications that assess the performance of financial institutions from a creditor's, investor's and regulator's viewpoint.

In addition, the subject covers international banking and regulation. While the focus of the course is commercial banks, that is regulator registered banking institutions, a number of the concepts covered also have suitable application to other non-bank institutions.

25575 Investment Banking

6cp
Requisite(s): 25556 The Financial System
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject provides an accessible introduction to the literature on recent developments in the services and transactions provided by investment banks. It provides a complete, yet concise, synthesis of the recent available literature within a logical, analytical structure. It provides important discussions of the four major areas of investment banking, namely mergers and acquisitions, security issuance, financial engineering and international investment. The subject draws on the experience and expertise of senior industry practitioners.

25576 Wealth Management

6cp
Requisite(s): 25503 Investment Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject examines the investment and financial issues arising from the personal wealth management activities of private individuals. The subject commences with an introduction of the Australian financial planning industry, and then explores the most important components in personal wealth management — setting financial plans, budgeting, taxation planning, investment planning and strategies (including managed funds), risk management and insurance, consumer credit, home ownership and property investment, superannuation and social security, leveraged investments, and estate planning. Students should be able to develop and manage financial plans of hypothetical clients that meet specific goals and long-term objectives.

25577 Behavioural Finance

6cp
Requisite(s): 25557 Corporate Finance: Theory and Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Behavioural Finance is concerned with the psychology of market participants (i.e. cognitive psychology) and how they make decisions. In addition, the 'limits to arbitrage' is also addressed in explaining how and why markets can exhibit inefficiencies. Behavioural finance has been motivated due to concerns over traditional models and their reliance on rationality of decision makers, utility maximisation and the assumption that markets set efficient prices. As a result, behavioural finance has been considered as an alternative to better understanding agents' activities and anomalies in security returns.

25579 Applied Portfolio Management

6cp
Requisite(s): 25620 Derivative Securities AND 25503 Investment Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject provides students with an in-depth understanding of both the theoretical and the practical aspects of modern portfolio management. In terms of theory, students learn about the portfolio management process, the various asset classes at a fund manager's disposal, the role of diversification in portfolio management, the asset allocation and asset selection decisions, the use of financial derivatives in portfolio management and the fiduciary responsibilities of a fund manager. The practical aspects of the subject involve implementing and evaluating various asset price models for constructing efficient portfolios, implementing models for equity valuation, using the Black-Scholes option pricing formulae for portfolio insurance, and a substantial simulated portfolio management exercise, using historical price data.

25602 Ethics in Finance

6cp
Requisite(s): 25503 Investment Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Ethical practices instil a public trust in the fairness of markets, allowing them to function efficiently. Additionally, ethical practices by finance and investment professionals benefit all market participants and stakeholders and lead to increased investor confidence in global capital markets. The perspectives acquired in this subject are useful to students in their place of work as a framework for ethical conduct in the investment profession is presented by focusing on the CFA Institute Code of Ethics and Standards of Professional Conduct. Citing examples of the scandals that have shaken public confidence in the ethics of Wall Street, this subject explains the importance of ethics in the operation of financial institutions and in the personal conduct of finance professionals.

25606 Financial Time Series

6cp
Requisite(s): ((25906 Portfolio Theory and Investment Analysis (Advanced) OR 25503 Investment Analysis) AND 25557 Corporate Finance: Theory and Practice)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

A number of theoretical models have been developed in the area of corporate finance. Students have been exposed to the major models in preceding subjects. This subject investigates the techniques that are required to empirically test these models and conducts a number of empirical tests using Australian financial markets data.

25620 Derivative Securities

6cp
Requisite(s): 25556 The Financial System
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: algebraic manipulations, basic elements of statistics (mean, variance, covariance and correlation), abstract mathematical concepts, basic principles in finance (the time value of money and risk-adjusted discount rates)
Undergraduate

This subject provides students with a basic understanding of forwards, futures, swaps and options. It covers their valuation by arbitrage arguments, their use and the management of the associated risks. A large part of this subject is devoted to applied problems dealing with situations in which students may expect to encounter derivations in practice.

25622 Quantitative Business Analysis

6cp
Requisite(s): (25115 Economics for Business OR 23115 Economics for Business)) AND (((26134 Business Statistics OR 26133 Business Information Analysis)) OR (33130 Mathematical Modelling 1 AND 33230c Mathematical Modelling 2)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Quantitative Business Analysis provides students with skills essential for studying finance subjects offered by the School of Finance and Economics. Students learn basic mathematics and statistics, and consolidate their knowledge and skills in the context of real world finance problems. The focus of the subject is on the development of practical modelling skills.

25705 Financial Modelling and Forecasting

6cp
Requisite(s): 25742 Financial Management OR 25746 Financial Management: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject allows students to develop an understanding of the issues involved when forecasting in an uncertain world. Students apply statistical methods to identify an appropriate forecasting model and then develop and evaluate the forecasts for use in a typical financial analysis problem.

25721 Investment Management

6cp
Requisite(s): 25742 Financial Management OR 25746 Financial Management: Concepts and Applications
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is designed to provide an understanding of the investment process and to develop a set of tools for making investment and portfolio decisions. It provides an overview of the paradigms of modern portfolio theory, and a foundation for analysing the risks and returns of investment portfolios. Specific topics include the measurement of risk and return, the construction of efficient portfolios, the pricing of risk, equity valuation, market efficiency and investor behaviour.

25728 Bond Portfolio Management

6cp
Requisite(s): 25721 Investment Management OR 25741 Capital Markets
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This is a specialised subject focusing on the conceptual and theoretical aspects of interest rates and risk management in bond markets. The subject includes discussions of the term structure of interest rates, bond pricing and bond portfolio strategies. The subject includes a large applied component involving the construction of yield curves and the analysis of bond market data, as well the construction and management of bond portfolios.

25729 Applied Portfolio Management

6cp
Requisite(s): 25721 Investment Management OR 25741 Capital Markets
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is concerned with the process of constructing and managing a diversified institutional portfolio comprising stocks, fixed-income securities, real and alternative assets, and derivatives. It begins by reviewing the foundations of investment management before continuing to the topics of equity and fixed-income portfolio management. Less traditional asset classes, such as investment companies, exchange-traded funds, real estate, hedge funds and private equity, are also examined. Finally, considerable attention is given to the important issues of asset allocation and performance measurement and attribution.

25731 International Finance

6cp
Requisite(s): 25742 Financial Management OR 25746 Financial Management: Concepts and Applications
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines foreign exchange markets, multinational working capital, international investments and the financing of international operations. On completion, students are able to understand how firms operate in the international financial environment.

25732 Venture Capital and Private Equity: Theory and Practice

6cp
Requisite(s): 25765 Corporate Finance
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an overview of the venture capital and private equity industry and an accessible introduction to the literature on recent developments in venture capital and private equity investments. It provides particular perspectives on the three major areas of venture capital and private equity: fundraising, investing and exit strategies. The subject draws extensively on the experience of senior industry practitioners who use their experience to provide students with insights into real-world venture capital and private equity decision-making processes. The subject also makes extensive use of the case study approach to teaching and learning, focusing on US and Australian venture capital and private equity investment cases in weekly class discussions.

25741 Capital Markets

6cp
Postgraduate

This subject examines the structure and behaviour of Australia's financial system and its main components. Its principal topics are the instruments and processes through which financing is arranged, the pricing of instruments and the associated risks and their management with derivatives. The subject forms part of the finance specialisation in the MBA and Master of Business degree programs where it provides a preparation for more specialised subjects in investment management, international finance and the various subjects that deal with financial institutions and risk management.

25742 Financial Management

6cp
Requisite(s): 21878c Organisational Dialogue: Theory and Practice OR 26001 Business Communication Skills
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject aims to introduce students to finance and helps them acquire the basic analytical skills required to make informed financial decisions. Topics include the goals of financial management, introduction to security market regulation, ethics and the firms investment and financing decisions. Working capital management and international aspects of financial management are also introduced.

25743 Corporate Financial Analysis

6cp
Requisite(s): ((22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications) AND 25765 Corporate Finance)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops students' abilities to conduct corporate financial analysis both for lending and investment purposes. Students perform industry analysis, identify participants' motivations and accounting deficiencies, forecast financial statements and value companies.

25751 Financial Institution Management

6cp
Requisite(s): ((25742 Financial Management OR 25746 Financial Management: Concepts and Applications) AND 25741 Capital Markets)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject teaches the fundamentals of managing a financial institution. The principles are applied in the context of banks, but have a wider relevance to the management of non-bank financial institutions. The structure of the financial system and problems posed by managing financial institutions in today's environment are given real time practical application in case studies which assess the performance of financial institutions from a creditor's, investor's and regulator's viewpoint. Case studies of bank failure and success are interposed with principles of asset liability management, strategic planning and responses to a changing environment in prudential supervision.

25752 Financial Institution Lending

6cp
Requisite(s): ((25742 Financial Management OR 25746 Financial Management: Concepts and Applications) AND 25741 Capital Markets)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This is a specialised subject in the management of the loan funds assets of financial institutions. It provides students with knowledge of the theory of financial intermediation, information economics and its application in achieving the maximum shareholders return while managing the level of risk associated with the loan products. The subject's topics include: the formulation of loan policy, the managing and selection of loans, loan pricing, portfolio loan risk management, individual loan risk management, problems loans and specialist loan risk areas such as project and infrastructure finance, corporate loans, consumer lending and small and medium enterprise lending and loan structuring and documentation and collateral. The subject includes a number of case studies in major lending disciplines such as project financing, small and medium enterprise lending, consumer lending, corporate lending and problem loans.

25762 Derivatives and Risk Management

6cp
Requisite(s): 25741 Capital Markets
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an introduction to the management of portfolios using options in financial markets. Stock, index, debt and foreign currency options are discussed, as well as forward and futures contracts and options on these instruments. The role of such instruments as risk-transferring devices is also discussed.

25763 Corporate Treasury Management

6cp
Requisite(s): 25762 Derivatives and Risk Management AND 25765 Corporate Finance
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject teaches students the management of financial price risk in a corporate environment On completion, students are able to understand and identify financial price risk, measure exposures, set objectives, measure performance and adopt appropriate tactics and strategies. This is via use of forwards, futures, swaps and options (separately or, in combination).

25764 Venture Capital Finance

3cp
Requisite(s): 25741 Capital Markets AND 25765 Corporate Finance
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the nature of the venture capital market and investment processes, and the growing number of financial institutions involved as venture capital suppliers. It analyses the various types of new ventures appropriate for venture capital finance, including start-up, expansion and management buy-out.

25765 Corporate Finance

6cp
Requisite(s): (25742 Financial Management OR 25746 Financial Management: Concepts and Applications) AND (22747 Accounting for Managerial Decisions OR 22784 Accounting: Concepts and Applications)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject exposes students to advanced corporate financial management by initially considering an economy with no risks and no market imperfections and then relaxing these assumptions to consider a more realistic economic environment. Topics covered include capital budgeting, cost of capital, capital structure and valuation, dividend policy and mergers and acquisition. Particular attention is paid to different tax environments and agency relationships within the firm.

25780 Readings in Finance

6cp
Postgraduate

Students wishing to enrol in this subject should seek the approval of the head of the School of Finance and Economics.

25782 Alternative Investments

6cp
Requisite(s): 25721 Investment Management
Postgraduate

This course is designed to furnish students with a broad knowledge of the alternative investments industry. By using current material from the Chartered Alternative Investments Association (CAIA), students study material deemed relevant by the industry. The Journal of Alternative Investments (JoAI) is also used to ensure that students leave the course equipped with meaningful material. As preparation for employment, the course assessments are designed to improve critical thinking, report writing and quantitative abilities. Class discussion and involvement are encouraged.

25783 Behavioural Finance

3cp
Requisite(s): 25765 Corporate Finance
Postgraduate

Behavioural finance has been motivated by concerns about traditional finance theories and their assumption of risk perception, rationality of decision-makers, utility maximisation and market efficiency. This subject questions these assumptions in various financial settings and investigates how behavioural biases influence the way individuals actually behave and make decisions, and the reasons for their behaviour. The subject covers psychological concepts, cognitive errors and emotional biases, and explains how these concepts influence and affect finance and investments. In addition it also focuses on the behavioural aspects of investment decisions, portfolio construction, asset pricing, and the behaviour of financial markets and market anomalies. Finally, the subject familiarises students with the theory and application of various technical analysis methods, techniques and concepts.

25787 Research Techniques in Finance and Economics

6cp
Postgraduate

This subject exposes students to a selection of research techniques of potential relevance in preparing a thesis in the area of finance and economics.

25788 Research Seminar in Finance and Economics

6cp
Postgraduate

This subject provides a forum for students to present an update on their research efforts and review the work of others.

25796 Personal Wealth Management

6cp
Requisite(s): 25721 Investment Management
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

In this subject students study the investment and financial issues arising from the management of personal wealth. They examine the structure of the Australian financial planning industry and analyse the most important components of wealth management: setting financial plans, budgeting, taxation planning, investment planning and strategies (including managed funds), risk management and insurance, home ownership and property investment, superannuation and social security, leveraged investments, retirement planning and estate planning. The subject is designed to provide students with the ability to develop and manage the financial plans of clients in a way that meets their specific goals and long-term objectives.

25797 Real Estate Investment Trusts

3cp
Requisite(s): 25721 Investment Management
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the structure, management and role of real estate investment trusts in the capital markets. Real estate investment trust business models, and legal, commercial and management structures, are analysed, together with an examination of the links between corporate strategy and property portfolio management within a listed environment.

25798 Ethics and Professional Standards in Finance

3cp
Requisite(s): 25721 Investment Management
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The highest ethical standards are necessary to instil a public trust in the investment profession, thereby ensuring the efficient functioning of the financial system. The principles and guidance presented in the CFA Institute Code of Ethics and Standards of Professional Conduct provide the ethical context for this subject to allow students to follow, promote, and develop the highest ethical standards when pursuing professional careers in all related financial areas such as investments, portfolio management and financial planning.

25807 Mergers and Acquisitions

3cp
Requisite(s): 25741 Capital Markets AND 25765 Corporate Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject looks at all aspects of the mergers and acquisitions process by which one organisation is subsumed into another. Topics covered include valuation, leveraged buyouts, asset sales and restructuring and defeasance. Legal and tax aspects of mergers and acquisitions is also examined.

25809 Technical Analysis

3cp
Requisite(s): 25721 Investment Management
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Technical analysis is a major force in financial markets. This subject familiarises students with all aspects of technical analysis. Topics include types of charts, Elliot wave theory and cross confirmation.

25812 Fundraising in International Markets

3cp
Requisite(s): 25741 Capital Markets AND 25765 Corporate Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines practical aspects of raising funds in offshore markets. The evolution and structure of international financial markets is also examined. Eurocurrency, debt and equity markets are covered in detail. Topics include international bond issues, equity link bonds and euro bonds.

25818 Real Estate Finance and Investment

3cp
Requisite(s): 25721 Investment Management
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines real estate/property as an asset class. Various property sectors are considered as well as mainstream techniques of finance such as discounted cash flow, modern portfolio theory and efficient market hypothesis, which are applied to the selection, evaluation, and management of real estate.

25824 Project Finance

3cp
Requisite(s): 25741 Capital Markets AND 25765 Corporate Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides students with an understanding of the particular risks involved in project financing. It develops abilities to overcome the risks involved in project finance through analytical techniques and looks at the role of project financing in the modern economy with reference to recent projects in Australia and South-East Asia. Topics covered include identification and management of project risk; project financing; evaluation of projects; structuring; and documentation.

25832 Financial Markets Instruments

6cp
Postgraduate

This subject introduces students to the main instruments and markets that comprise the financial system. It discusses the factors that influence the evolution of financial markets, valuation of various securities such as equities and foreign exchange, bond price, forward rate and yield curve calculations, forward rate agreements (FRAs) and interest rate swaps, and interest rate hedging.

25833 Derivatives

6cp
Postgraduate

This subject introduces students to modelling asset price dynamics in discrete time and continuous time. Students also examine arbitrage pricing of derivatives in discrete and continuous times, interpretations of the arbitrage pricing condition leading to the partial differential equation, martingale and integral evaluation viewpoints, and derivative pricing in both deterministic and stochastic interest rate environments.

25834 Portfolio Analysis

6cp
Requisite(s): 25854 Statistical Methods for Quantitative Finance AND 25832 Financial Markets Instruments
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to the theory and practice of modern portfolio theory, surveys relevant aspects of capital markets, foundations of investment decision-making, portfolio selection via the mean-variance approach, and theory and empirical tests of equilibrium pricing models. It assists students to understand the theory and principles underlying modern portfolio theory, and develops skills to apply theories to investment decisions.

25835 Computational Finance

6cp
Requisite(s): 25832 Financial Markets Instruments AND 25834 Portfolio Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops students' skills to solve computational problems arising in Quantitative Finance. It investigates solutions for portfolio management, derivatives pricing, equity and yield curve analysis. It also examines basic concepts of procedural and object-oriented programming, and develops the application skills of these concepts to financial problems in Visual Basic/Excel and in C++.

25836 Financial Decision Making Under Uncertainty

6cp
Requisite(s): 25832 Financial Markets Instruments AND 25834 Portfolio Analysis AND 35364 Statistics for Quantitative Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to utility theory, arbitrage principles, portfolio formation and efficient markets at an advanced level. Areas such as the development of mean-variance analysis, the capital asset pricing model and arbitrage pricing theory in single-period equilibrium models and multi-period portfolio analysis in discrete time and in continuous time are examined.

25837 Financial Econometrics

6cp
Requisite(s): ((25854 Statistical Methods for Quantitative Finance OR 35364 Statistics for Quantitative Finance) AND 25832 Financial Markets Instruments)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject exposes students to the main econometric techniques used to estimate models in financial economics. It emphasises that financial economics is a highly empirical discipline. The primary method of inference for the financial economist is examined, and the model analysed is statistical inference-financial econometrics. Students apply a range of econometric techniques to financial theories.

25838 Advanced Instruments

6cp
Requisite(s): 25835 Computational Finance AND 25836 Financial Decision Making Under Uncertainty
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides students with the opportunity to apply the various techniques studied earlier in the course to the valuation and hedging of more advanced derivative instruments. It examines taxonomy of the various exotic derivatives in the log-normal world and then focuses in detail on pricing and hedging issues, particularly binaries, barriers and strongly path-dependant options such as Asians and look-backs. Interest rate derivative products are analysed, and practical implementations within the Hull-White, Heath-Jarrow-Morton and Brace-Musiela representations are undertaken.

25839 Mathematics of Finance

6cp
Requisite(s): 35365 Stochastic Calculus in Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to the theory of mathematical finance with applications in derivative pricing, portfolio optimisation and risk management. Techniques of no-arbitrage pricing in finance and financial mathematics are explored. Theoretical problems involving hedging derivatives and change of probability measures and portfolio optimisation are formulated and solved.

25840 Integrated Risk Management

6cp
Requisite(s): 25838 Advanced Instruments
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to the theory and practice of integrated risk measurement and management with applications in value at risk, market and credit risk analysis for large diversified portfolios, extreme value analysis and coherent risk measurement. Techniques for large nonlinear diversified portfolios are explored. Theoretical problems related to value at risk, expected shortfall and risk adjusted capital allocation for large nonlinear portfolios are formulated and solved.

25841 Decision Making Tools

8cp
Postgraduate

This subject unifies students' abilities to approach business-related problems by integrating methods and applications. Emphasis is placed on realistic business examples and the processes managers use to analyse business problems. The aim is to provide students with the skills to analyse business problems with tools they have access to and will use in their careers.

25844 Managerial Corporate Finance

8cp
Requisite(s): ((25845 Managerial Economics OR 23845 Managerial Economics) AND 25846 Managerial Finance)
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces and exposes students to corporate financial management by initially considering an economy with no risks and no market imperfections, and then relaxing these assumptions to consider a more realistic economic environment. Topics covered include capital budgeting, cost of capital, capital structure and valuation, dividend policy, mergers and acquisitions and private equity. Particular attention is paid to different tax environments and agency relationships within the firm.

25846 Managerial Finance

8cp
Requisite(s): 25841 Decision Making Tools AND 22814 Accounting Information for Managers
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides students with an understanding of the tools and techniques used in financial decision-making and up-to-date knowledge in financial management. It provides an understanding of the financial forces that influence corporate strategy, offering the opportunity for participants to acquire a range of skills and expertise expected of corporate managers. The outcomes are achieved using learning strategies that foster the application of leading-edge practices to meet the business challenges arising from international forces and technical and knowledge innovation. The subject material draws on an understanding of managerial accounting and economics, provides a basis for subsequent integrative subjects and examines the key areas of financial decision-making such as risk and diversification, capital budgeting, and cost of capital.

25849 Financial Risk Management

6cp
Requisite(s): 25856 Probability Theory and Stochastic Processes
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject provides a comprehensive and rigorous exposition of the theory and practice of financial risk measurement and management. The subject focuses on tools and techniques for identifying, measuring, computing and managing market risk. It covers risk measures including value-at-risk, expected shortfall and earnings-at-risk. The concept of coherent risk measures are also explored. Parametric and non-parametric techniques, including historical and Monte Carlo simulation, are covered in depth. The subject consists of a large practical component involving implementing value-at-risk measures for realistic portfolios, combined with stress testing methods.

25850 Credit Risk

6cp
Requisite(s): 25856 Probability Theory and Stochastic Processes
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

The Global Financial Crisis has highlighted the need for sophisticated credit risk management as well as the danger of blindly applying complex models without a thorough understanding of their underlying assumptions and limitations. This subject addresses these issues, providing insight into what can and can't be done using quantitative models for credit risk — and how to do what can be done. It introduces students to state-of-the-art mathematical models for

credit risk, resulting in an understanding of their relative merits, the issues involved in their implementation and their use in the pricing and risk management of credit risk and credit derivatives.

25851 Mathematical Finance

6cp
Requisite(s): 25856 Probability Theory and Stochastic Processes
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject introduces stochastic calculus and the theory of mathematical finance at an advanced level with applications in derivative pricing, portfolio optimisation and risk management. Techniques of pricing and hedging in finance and insurance are explored. Theoretical problems involving the hedging of derivatives and the change of probability measures and the optimisation of portfolios are formulated and solved.

25852 Numerical Analysis for Quantitative Finance

6cp
Requisite(s): 25851 Mathematical Finance
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject presents various numerical methods used in quantitative finance. It provides a rigorous understanding of advanced numerical, statistical and filtering methods. Emphasis is on simulation methods for solving stochastic differential equations, their systematic application and their links to finite difference and other numerical methods.

25853 Computational Methods and Model Implementation

6cp
Requisite(s): 25849 Financial Risk Management AND 25850 Credit Risk
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject develops skills to solve computational problems arising in quantitative finance. It investigates solutions for risk management, derivatives pricing, equity and yield curve analysis, focusing on model implementation and calibration to market data. Models are implemented on a Microsoft Excel platform (including Visual Basic) and in C++.

25854 Statistical Methods for Quantitative Finance

6cp

This subject reviews the required tools from mathematics, probability and statistics required to describe some stylised facts about asset returns.

25855 Fundamentals of Derivative Security Pricing

6cp
Requisite(s): 25834 Portfolio Analysis AND 25837 Financial Econometrics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject introduces the basic concepts for the pricing of derivative securities from an intuitive perspective. Topics include basic concepts from probability theory, the fundamentals of stochastic calculus, arbitrage pricing in continuous time, different interpretations of the arbitrage pricing condition, the partial differential equation, martingale and integral evaluation viewpoints. Option pricing under stochastic volatility and jump-diffusion dynamics is also considered.

25856 Probability Theory and Stochastic Processes

6cp

The subject introduces the theory of stochastic processes and stochastic calculus and demonstrates their applicability to solve problems in finance.

25857 Interest Rate Modelling

6cp
Requisite(s): 25855 Fundamentals of Derivative Security Pricing AND 25856 Probability Theory and Stochastic Processes
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject builds on the subject Fundamentals of Derivative Security Pricing to present the various financial and mathematical concepts, techniques and intuition necessary to price derivative securities in a stochastic interest rate environment. The focus is on spot rate models, the Heath-Jarrow-Morton framework and the LIBOR market model.

25860 Advanced Econometric Methods for Finance

6cp
Postgraduate

This subject aims to provide students with advanced theoretical and practical tools for analysing financial data. Building on the foundation of the multiple linear regression model, this subject introduces asymptotic theory, maximum likelihood estimation, the generalised method of moments framework, univariate and multivariate techniques in time series, and, panel data modelling.

For more information, contact your PhD supervisor.

25861 Empirical Asset Pricing

6cp
Postgraduate

The goal of this subject is to establish perspectives, approaches, tools and methods of independent thinking, analysis, and problem solving and their application to essential asset pricing topics. Topics include utility theory, portfolio theory, arbitrage pricing, equilibrium pricing, security prices' informational efficiency, and performance measurement.

For more information, contact your PhD supervisor.

25862 Empirical Corporate Finance

6cp
Postgraduate

The purpose of this subject is to understand the investment and financing decisions made by firms. The main issue is how the delegation of decision-making power and information asymmetry affect outcomes, and how deviations from optimality can be mitigated through various incentive mechanisms. The subject involves game theory and covers some classic papers in finance as well as their empirical tests.

For more information, contact your PhD supervisor.

25863 Empirical Finance

6cp
Postgraduate

The subject introduces students to the empirical methods of modern finance. The topics are chosen to highlight some of the key concepts involved in current empirical work in finance by replicating the results reported in published studies in diverse areas of finance.

For more information, contact your PhD supervisor.

25864 Finance Theory

6cp
Postgraduate

This subject introduces students to the major models of asset pricing and to rational expectations models. Three broad categories of asset pricing models are discussed: single-period static models and discrete time intertemporal models; continuous time models; and rational expectations models.

For more information, contact your PhD supervisor.

25921 Theory of Financial Decision Making

6cp
Undergraduate

This subject introduces the foundations of modern portfolio theory and how it is applied. Topics covered include theory of choice, mean-variance criterion, capital market equilibrium, capital asset pricing model and arbitrage pricing theorem, and equilibrium evaluation of derivative securities.

25922 Financial Econometrics

6cp
Undergraduate

This subject extends knowledge of financial econometrics and model building to enable comprehension of advanced research literature and confident use of econometric techniques in research. Topics include: maximum likelihood estimation and inference in linear and nonlinear models; modern time series methods of dealing with integrated variables; modelling volatility with the ARCH class of models; and models for cross-sectional data.

25923 Derivative Security Pricing

6cp
Undergraduate

This subject covers the following topics:

- pricing methodologies and arbitrage
- key ideas illustrated in a binomial setting
- an introduction to the Ito calculus
- risk neutrality and martingale measures
- the Black/Scholes model and the associated quantitative methods
- the basis of Monte Carlo simulation
- options with early exercise features
- the term structure of interest rates, and
- pricing of interest rate derivatives.

25924 Advanced Corporate Finance

6cp
Undergraduate

Through study of the research literature, this subject provides an understanding of the motivation, construction and empirical testing of theories in corporate finance. It covers a selection of classic papers in corporate finance, some current research work, and a significant quantity of Australian empirical work. Research studied is concerned with the major issues involved in a company's investment and financing decisions and the interaction of these activities with the formation of prices in the markets for the company's securities.

25927 PhD Thesis: Finance

0cp
Postgraduate

Students must undertake original research, supervised by a senior member of the school's academic staff. Students must prepare a proposal, present it and gain approval before proceeding. The thesis should advance knowledge in the area of finance, and should be of a standard publishable in an international refereed journal.

25928 Thesis Proposal in Finance (Honours)

6cp
Honours

This subject enables students to conceptualise, develop and defend a research proposal on an original problem of a theoretical or applied nature in finance.

25929 Thesis in Finance (Honours)

18cp
Requisite(s): 25928 Thesis Proposal in Finance (Honours)
Honours

This subject allows students to research and write a thesis on the proposal developed in Thesis Proposal in Finance (Honours). Students receive regular guidance and feedback from their thesis supervisors. The Honours thesis requires the student to produce a 20,000-word (maximum) thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner.

Each thesis is examined by at least two internal examiners from the Faculty of Business. External examiners may from time to time be appointed at the discretion of the Head of the Discipline Group to support the internal examination process.

25990 Master of Business Thesis (Finance)

0cp

Students are required to complete a thesis which is considered to involve an amount of study equivalent to four semesters for full-time study, and six semesters for part-time study. The thesis is expected to present original research of a theoretical or applied nature in finance or economics. It is not expected to advance knowledge, as is required in the case of a PhD thesis, but it should give evidence of the student's ability to engage in a substantial investigation, identify and analyse research problems and present the results in a coherent and scholarly manner.

25999 Business Internship

6cp; availability: students need to have completed 72 credit points of study at credit average to enrol in this subject
Requisite(s): (72 Credit Points in spk(s): C10026 Bachelor of Business OR 72 Credit Points in spk(s): C10027 Bachelor of Business OR 96 Credit Points in spk(s): C10020 Bachelor of Business Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10021 Bachelor of Business Bachelor of Arts in International Studies)) OR ((78 Credit Points in spk(s): C10235 Bachelor of Accounting OR 144 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 144 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 144 Credit Points in spk(s): C10162 Bachelor of Science Bachelor of Business OR 144 Credit Points in spk(s): C10163 Bachelor of Medical Science Bachelor of Business OR 144 Credit Points in spk(s): C10169 Bachelor of Biotechnology Bachelor of Business OR 144 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject, students undertake an internship with an organisation in a capacity relevant to their academic studies. This assists in developing employment skills, knowledge and contacts which can contribute to their career goals. Through their internship, students are exposed to the professional functions and activities relevant to their field of study (major). A written reflection and report on the outcomes of the internship is required. Students must undertake at least 210 hours of work with a host organisation, which is equivalent to six weeks or 30 days of full-time experience. The terms and time frame of the experience are flexible and may be negotiated between the student and host organisation. The internship must be based on an agreed and approved program of work which aims to achieve predetermined learning objectives.

26100 Integrating Business Perspectives

6cp

This subject provides students with an overview of the business landscape with its various economic, legal and regulatory dimensions, in the private, public and non-profit sectors. It provides an introduction to the relationship between the various business disciplines and their contribution to the value of the business and society. Students also consider ethical and sustainability issues as they relate to the role of business in society. In addition, the subject incorporates the development of graduate skills for business professionals, in particular those relating to (business) written communication, oral presentations, group work, and critical, integrative and creative thinking.

26134 Business Statistics

6cp
Requisite(s): 26100c Integrating Business Perspectives
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject is designed to develop students' abilities to assess and critically interpret statistics and business information and apply them in changing business environments. The subject places strong emphasis on developing a clear theoretical understanding of various analytical tools as well as an appreciation of the application statistics to business decisions. These skills and competencies provide a foundation for professional practice for further study in the many different majors of the degree.

26703 Introductory Health Economics

6cp
Postgraduate

This subject provides a broad understanding of the economics of health and health care and the skills to apply analytical economics techniques to problems of resource allocation and policy development in the health system. The subject covers key economic issues for the health system and uses economics techniques to understand how the health system operates and to analyse health system reform.

26800 International Business Consulting

8cp
Postgraduate

The subject provides an in-depth practical experience enabling students to develop a better understanding of international business strategies and best practices. During the international study tour, participants are exposed to a series of expert presentations and company visits supporting the course objectives, while solving a business problem for a Sydney-based firm. Academic and industry supervisors are assigned to coach, mentor and assist the participants in the engagement. The scope and nature of the consulting assignment is agreed upon with the client through a proposal process. The findings are delivered to the client in terms of a presentation and a formal report.

27100 Current Issues in Sport Business

6cp

This subject allows students to apply the knowledge they have gained previously to an understanding of contemporary, critical, global issues in sport business. Students examine the local and global relevance of the critical issues, the ethical ramifications and the ways in which they, as sport business professional, might respond. They also reflect and project on how such issues might affect the development of sport. The subject assists students to relate critical sport business issues to a wider understanding of social life and community.

27103 Olympic Games and Mega Events

6cp
Undergraduate

The Olympic Games is a significant phenomenon in contemporary sport, tourism and culture with a growing research literature. This subject covers the cultural, sociological, economic and media impacts on the games, the philosophy of 'Olympism' and impacts of the Sydney 2000 event.

27105 Nutrition for Health and Physical Activity

6cp
Requisite(s): 27175 Energetics of Human Movement
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the role of nutrition in maintaining a healthy lifestyle and optimising exercise and sports performance. It focuses on dietary guidelines for health, exercise prescription and sports performance, and on the relationships between physical activity and eating disorders.

27111 Mechanics of Human Motion

6cp
Undergraduate

This subject investigates the mechanical principles required to produce movement. It analyses both internal and external forces with respect to the human body and its environment, with a view to applying various mechanical principles to optimise human performance.

27115 Arts and Entertainment Industries

6cp
Undergraduate

This subject examines the concepts and structure of non-profit and for-profit arts and entertainment industries. It covers theories of cultural distinction and cultural capital and their relevance to the contemporary analysis of leisure and culture. It analyses the organisation of the arts and the entertainment industry in Australia with particular reference to market segmentation, globalisation, sustainability and creating value and competitive advantage. The subject familiarises students with current issues shaping the future of arts and entertainment in Australia.

27116 e-Marketing and Management of Services

6cp
Requisite(s): 27324 Strategic Management in Leisure, Sport and Tourism Organisations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines how information and computer-mediated communication technology is used in the information-intensive leisure and tourism industries. It examines and analyses the use of this technology in the management and marketing of such organisations to establish why it is used, what efficiencies it brings and the implications for the links in the service distribution chain. It gives students an understanding of how e-commerce in the tourism and leisure industries is changing the way in which such services are promoted and distributed to the consumer.

27126 Event and Leisure Industries

6cp
Undergraduate

This subject provides students with an introduction to leisure and events behaviour, industries and experiences. It builds a framework for analysing the development of 'industrial' responses to this behaviour and provides a grounding on which subsequent contextual knowledge is built. It provides students with the opportunity to learn a range of information retrieval and reporting techniques central to the development of scholarship.

27141 Sport Tourism

6cp
Undergraduate

The subject explores the concepts and practices that underpin the relationship between sport and tourism. This includes sport as an active endeavour for tourist, as well as sport as a commodity for witness and consumption by audiences. Students develop an understanding of management, policy and delivery issues in two of the world's largest and fastest growing industries, and how they combine today. Interplays between sport tourism and the economy, sociocultural dynamics, the environment, urban development, and public policy are critically investigated. The subject also includes discussion of cultural variations in sport and tourism, contemporary developments, and likely trends in the future of sport tourism.

27149 Performance Studies 1: Gymnastics and Dance

6cp
Undergraduate

This subject provides students with the knowledge and skills necessary to understand the relationships between human motor development and performance in physical activity. Competence in a range of dance (including jazz, contemporary and warm-up routines) and gymnastics (including warm-ups, cool-downs, floor routines, apparatus and complete lessons) activities is required.

27152 Measurement and Development of Physical Capacity

6cp
Undergraduate

This subject examines the interrelationships between physical activity and the physiological and anatomical development of the individual. It provides students with proficiency in the skills required to assess fundamental capacities related to human movement and emphasises the development of physical capacity (endurance, strength and flexibility) and basic training methodology.

27154 Readings for Thesis

6cp
Undergraduate

This subject provides honours students with the opportunity to explore in greater depth the major themes and issues pertaining to their area of research. It enables students to recognise the contribution of the literature relevant to their research problem. It also allows students to use the literature to develop the theoretical and conceptual framework of their honours thesis.

27155 Research for Human Movement

6cp
Undergraduate

This subject introduces a variety of research design and statistics procedures to reflect the human movement and sport and exercise management fields. Research methods include both quantitative and qualitative procedures. Computer software packages are used to enter, analyse and report data. Students become familiar with statistical procedures relating specifically to the sport and exercise industry.

27160 Sport and Exercise Psychology

6cp
Undergraduate

This subject examines sport performance and exercise participation in relation to cognitive and social psychological constructs. It emphasises the utilisation of sport psychology for performance enhancement in sport and examines the psychological responses involved in exercise, with an emphasis on how these responses influence future exercise behaviour.

27161 Sport Marketing

6cp
Undergraduate

This subject explores marketing concepts as they relate to the funding, promotion and the commercial development of sport. The subject explores sport marketing strategies, sport research, sport advertising, sport publicity, sport sponsorship and promotion across various levels of sporting organisations.

27171 Applied Kinesiology

6cp
Requisite(s): 27111 Mechanics of Human Motion AND 27180 Functional Kinesiology
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject involves a detailed analysis of human motion and provides the opportunity to advance understanding of musculoskeletal anatomy and biomechanics. This is acquired through a detailed analysis of the anatomical and mechanical principles that surround selected movement patterns.

27172 Applied Sport Psychology

6cp
Requisite(s): 27160 Sport and Exercise Psychology
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the field of applied sport psychology. It focuses primarily on performance enhancement through the understanding and implementation of psychological principles in sport situations.

27173 Human Performance in Sport and Exercise

6cp
Requisite(s): 27175 Energetics of Human Movement
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Students examine human physiological and biochemical responses and adaptations to human performance with emphasis on the efficiency of human movement, training adaptations, muscle metabolism and exercise training methodology. The subject focuses on developing a strong theoretical understanding, as well as developing proficiency in the skills required for fundamental assessment in exercise physiology.

27174 Analysis of Human Motion

6cp
Requisite(s): 27171 Applied Kinesiology
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject expands upon a variety of mechanical concepts integral to the study of human motion. Quantitative problems are developed further and a major research project involving videography is conducted. Linear and angular kinetics are applied to sporting techniques and other human movements. The use of technical equipment for data collection and analysis is a major component of the subject.

27175 Energetics of Human Movement

6cp
Undergraduate

This subject examines the interactions between the bioenergetic, metabolic, neurological and hormonal aspects of human movement, muscular control and cardiorespiratory function and performance. With a focus on energy system development and the physiological response to exercise, this subject supports the development of competencies in the assessment of physiology in a human movement context.

27178 Exercise Rehabilitation

6cp
Requisite(s): 27180 Functional Kinesiology
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the role of physical exercise as a therapeutic adjunct in the amelioration of certain chronic medical conditions caused by disease, sport or workplace injury. It focuses on developing a strong understanding of the physiological, biomechanical and psychological limitations of these chronic medical conditions as well as developing proficiency in the skills required for individualised prescription of exercise programs for special populations.

27180 Functional Kinesiology

6cp
Undergraduate

This subject incorporates a detailed examination of the structure and function of bones, joints, muscles and nerves with emphasis on the identification of anatomical structures and their relevance to human motion. It forms the basis for subsequent study of the physiological and kinesiological aspects of human movement.

27184 Dimensions of Tourism

6cp; 3hpw (2hr lecture, 1hr tutorial); students are expected to attend a minimum of 80 per cent of class sessions; availability: all first-year tourism students
This is a core foundation subject for any degree that incorporates tourism.
Undergraduate

This subject introduces students to the phenomenon of tourism and the field of tourism studies. It traces two centuries of tourism development and examines the relationships tourism has with sociocultural, economic and natural environments. It also introduces the human element in tourism through a review of key theories of tourism motivation and tourist behavior. The different types of tourism are introduced and key national and international tourism organisations are studied for their functions in managing tourism activity.

27185 The Tourist Experience

6cp
Undergraduate

This subject introduces conceptual and methodological approaches to the study of the experiences of the tourist. It seeks to develop an understanding of the tourist experience as distinct from the 'at home' leisure experience by exploring the unique sociocultural and physical environment of the tourist. A focus is diversity of experience and social inclusion. The subject discusses approaches to managing

tourist experiences. The content of this subject is largely based on contributions from tourism studies, cultural geography, sociology, environmental psychology and social psychology.

27192 Event Impacts and Legacies

6cp
Undergraduate

This subject provides an overview of the events sector, along with the functions and impacts that events have from the perspective of various groups and organisations within a society. Additionally, it examines various approaches that can be used to assess event impacts. The issue of planning for event legacies is also examined. Case studies feature strongly in this subject.

27193 Event Marketing

6cp
Undergraduate

This subject examines the strategic marketing planning process as it applies to events of various types. In moving through this process, this subject deals with: the event marketing environment; setting marketing objectives; understanding event consumers; event marketing strategies; positioning and branding events; managing the quality of event experiences; distributing 'access' to events through the ticketing process; pricing; marketing communications; and approaches to monitoring, controlling and evaluating event marketing efforts. Case studies feature strongly in this subject.

27194 Event Sponsorship and Revenue

6cp
Undergraduate

This subject deals with non-ticket/registration fee-based revenue streams available to public and corporate events. In doing so, it seeks to first identify these income streams before going on to discuss their strategic development. Given its significance to many events, substantial time is given in this subject to examining how events develop and manage sponsorship as a major revenue source. Other revenue streams that are dealt with include merchandising, licensing, concession rights, media rights and grants. Discussion of the evaluation and effectiveness of these revenue streams is also a key aspect of this subject.

27216 Venue Management

6cp
Undergraduate

This subject examines the principles of managing venue and facility operations. Specifically, it addresses how facilities and venues are planned, managed, operated, evaluated and maintained. The subject also covers issues ranging from traffic circulation to security and safety issues. Guest speakers from various venues and facilities are featured and current trends, case studies and future directions are also covered.

27222 Exercise Prescription

6cp
Requisite(s): 27152 Measurement and Development of Physical Capacity
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines principles related to the prescription of exercise across a wide variety of populations to achieve specific gains in health, strength, power, endurance and speed. It considers the areas of testing physiological function, program development, age and gender in exercise programming.

27226 Analysis of Motor Control

6cp
Requisite(s): 27180 Functional Kinesiology
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the structure of the motor control system, the processes underlying movement control, methods of assessing muscle and nerve function, posture and balance control, and the development of coordinated movement patterns.

27227 Critical Issues in Health and Wellbeing

6cp
Undergraduate

This subject explores and examines a range of contemporary health issues that exist in Australian society. It focuses on a social view of public health to deepen knowledge and understanding of the fundamental health principles and explore a range of health models. The social determinants of health are examined to highlight the limitations of medical approaches and introduce the social model of health. Knowledge and understanding of lifestyle, sexual and mental health issues are critically analysed by examining the range of physical, social and cultural determinants that impact on health and wellbeing. The subject enables students to identify and discuss preferred solutions to critical issues in health and wellbeing, and provides an overview of the links between behavioural risk factors and illness and mortality as well as between health behaviours and disease prevention and wellness. Students learn behaviour change principles and strategies for effective implementation of healthy lifestyle goals and habits.

27228 Lifespan Development

6cp
Undergraduate

This subject investigates human growth and development across the lifespan. It examines the effects of age, gender, ethnicity, culture and development stages on physical capacity. It also analyses the effects of physical activity and health behaviours on growth and development.

27249 Performance Studies 2: Dance and Athletics

6cp
Undergraduate

This subject provides students with the knowledge and skills necessary to understand the development of human physical capacities, strength, power, flexibility and cardiorespiratory fitness. Competence in a range of exercise, sport and dance activities is required.

27252 The Sport Industry

6cp
Undergraduate

As the Australian sport industry becomes more professional and complex, the number of agencies involved in the delivery of sport products and services multiplies. This subject examines individual agencies to determine their respective input into the sport environment and explores the relationships and interconnectedness between such groups. It assesses and analyses the impact of business, the various arms of government and volunteers on both mass and elite sport to provide a coordinated perspective of the sport industry.

27253 Sport in the Global Marketplace

6cp
Undergraduate

This subject examines similarities and differences in the production and consumption of sport in the international environment. It provides students with a critical understanding and the essential skills necessary for leaders of sport and leisure industries to prosper in a rapidly emerging global marketplace.

27307 Sport Management

6cp
Undergraduate

This subject examines the scope and role of sport in contemporary society with particular reference to Australia. It seeks to understand and account for policy development and implementation across the commercial, public and voluntary sectors and addresses a number of professional issues surrounding contemporary trends in Australian sport.

27308 Exercise Management for Special Populations

6cp
Requisite(s): 27152 Measurement and Development of Physical Capacity
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the aetiology of lifestyle and clinically relevant diseases with a focus on physical activity and exercise. The course presents information relating to the physical and mental health benefits of physical activity and exercise for health under various physiological and metabolic conditions. Students develop an understanding of the factors that determine, influence and modify the physical activity habits of individuals and whole populations who may present with, or be at risk of, various disease states. This subject reinforces principles and practice of technical skills required of the exercise scientist. Students develop competencies in assessment of cardiorespiratory health, muscular and orthopaedic performance and clinical exercise stress testing central to professional practice in the health and fitness setting.

27323 Government and Policy for Leisure, Sport and Tourism

6cp
Undergraduate

This subject examines the rationale for government involvement in leisure, tourism, sport, the environment and the arts. It also examines political ideology and power processes in the community and methods of policy analysis, including performance indicators, cost benefit, economic impact analysis and performance appraisal. Lastly, the subject reviews policy initiatives.

27324 Strategic Management in Leisure, Sport and Tourism Organisations

6cp
Undergraduate

This subject brings together knowledge gained by students from both generic business and disciplinary subjects via applications to the strategic management of leisure, sport and tourism organisations. It exposes students to strategic management planning tools and processes used in leisure and tourism industry organisations that result in desired outcomes for these organisations. Students are provided with the knowledge and skills to be comfortable with and apply strategic financial and human resource management techniques.

27326 Diversity Management

6cp
Undergraduate

This subject examines the philosophical and theoretical issues related to 'specific populations'. It traces the historical evolution of treatment of specific populations and discusses contemporary practice. Selected specific populations (e.g. people with physical disabilities, gay and lesbian communities) are covered in detail with the focus of study on leisure, lifestyle and opportunities. Students have direct contact with specific populations through field visits.

27327 Tourism and Sustainability

6cp
Undergraduate

This subject examines the relationship between tourism and sustainability, in particular the reasons why there are questions about the long-term sustainability of tourism and ways in which this issue can be addressed. The various meanings and applications of sustainability to tourism are explored. Tourism's major impacts on and relationships with economic, ecological and sociocultural environments are identified and discussed. Both government and industry-initiated policies and practices, designed to enhance tourism's sustainability in the context of attractions, tourism enterprises and destinations, are critically examined.

27331 Skill Acquisition

6cp
Undergraduate

This subject examines the processes underlying skilled motor performance, how skilled performances are learned and how to apply the principles of skilled performance and learning in instructional settings in human movement such as teaching, coaching and rehabilitation.

27341 Health Promotion

6cp
Undergraduate

Health promotion provides the process for increasing awareness of factors that impact on health as well as health enhancement strategies. To reach a state of complete physical, mental and social wellbeing, an individual or group must be able to identify and realise aspirations, satisfy needs, and change or cope with the environment. Health is hence viewed as a valuable resource for life and livelihood. Health promotion, therefore, is not just the responsibility of the health sector, but reaches beyond healthy lifestyles to optimise wellbeing for all.

27342 Sociocultural Concepts for Leisure, Sport and Tourism

6cp
Undergraduate

This subject considers theories and concepts of relevance to the society in which leisure, events, sport, human movement and tourism professionals practise. The subject explores key theoretical concepts such as power, globalisation, commodification, flow, play, sociability, authenticity and diversity and familiarises students with a cross section of literature that informs different aspects of leisure, event, sport, human movement and tourism theory.

27344 Research Foundations for Leisure Sport and Tourism

6cp
Undergraduate

This subject introduces students to the research process and each of its elements. It aims to develop understanding of the approaches to the collection, interpretation and statistical analysis of data within leisure, sport and tourism. Students become proficient in a range of quantitative, qualitative and experimental research methods used in the area. The subject develops skills in entering, analysing and presenting data using standard software packages. The emphasis of this subject is on developing an understanding of how research is conceptualised, actioned and reported.

27345 Creating Event Experiences

6cp
Requisite(s): 27703 Event Management
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject deals with the process of creating and developing concepts for events. It examines the various aspects and stages of the event creation process and the elements and processes available to the event manager in devising and developing quality event concepts. The subject content includes a mix of theory and application, as students design, implement and evaluate an event of their own creation.

27346 Tour Operator and Wholesaling Management

6cp
Undergraduate

This subject seeks to provide students with knowledge and skills associated with management level positions within the tour wholesaler, inbound tour operator and local tour operator sub-sectors of the tourism industry. In doing so it overviews the nature and characteristics of these tourism industry sub-sectors, examines marketplace trends and issues impacting upon them and discusses their marketing, management and operations. A key aspect of this subject is the development of skills and knowledge in students such that they can analyse case specific data and recommend appropriate management/marketing responses.

27347 Hotel Management

6cp
Undergraduate

This subject seeks to develop a sound understanding of strategic and operations management in a hotel context. In performing this role it provides an overview of the Australian and international hotel industry, describes the nature of the hotel product and the markets that this product serves, discusses hotel business and marketing strategy options and examines operational practices associated with the successful conduct of a hotel business. A key aspect of this subject is the development of skills and knowledge in students so they can analyse case-specific data and recommend appropriate management responses.

27348 Critical Issues in Global Tourism

6cp
Requisite(s): 27185 The Tourist Experience
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This is a final year subject which allows students to apply the knowledge they have gained in the course to an understanding of contemporary, critical, global issues in tourism. Students examine the local and international relevance of the issues, the ethical implications and the ways in which they, as tourism professionals, might respond. Students also reflect and project on how such issues might affect the development of tourism. The subject assists students to relate critical tourism issues to a wider understanding of society.

27349 Performance Studies 3: Sport and Aquatics

6cp
Undergraduate

This subject provides students with the knowledge and skills necessary to understand biomechanical and physiological analysis procedures in sport. Competence in various sport and aquatics activities is developed.

27350 Professional Internship (Capstone)

6cp
Requisite(s): ((27184 Dimensions of Tourism AND 27648 The Tourism Business) OR 27703 Event Management)
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

In this subject, students undertake a professional internship with an organisation in the sports, tourism leisure or events industry. This assists in developing employment skills, knowledge and contacts identified as essential to career goals. Through their internship, students are exposed to the managerial functions and activities of their chosen industry. A written reflection on each period of internship is required. Students must undertake up to 240 hours of work with an industry organisation and complete an agreed program of work based on predetermined learning objectives.

All students are required to:

- complete a minimum of 210 hours in an approved workplace (this is equivalent to six weeks or 30 days of full-time experience, where the standard working day equals seven hours and excludes lunch breaks)
- complete one placement only
- keep an accurate account of their hours worked and include this as a formal part of the assessment for the subject.

27361 Industry Project 1

6cp
Requisite(s): 27344 Research Foundations for Leisure Sport and Tourism
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject provides students with the knowledge and skills to negotiate and establish a relationship with an industry partner, interpret the partner's needs in relation to a specific management problem, systematically review existing research material and prepare a proposal for researching and solving an industry-based management problem. Students are provided with the opportunity to learn and integrate industry standard research and project management skills. The research proposal outcome of the subject is operationalised in the following semester through Industry Project 2.

27362 Industry Project 2

6cp
Requisite(s): 27361 Industry Project 1
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject requires students to apply the knowledge and skills they have developed throughout their course to a particular industry-based project. Students carry through the activities outlined in the project proposal they prepared in Industry Project 1, with the aim of solving a selected management problem on behalf of an industry client. Students work closely with the industry client and under the supervision of an academic supervisor. This project is the culmination of the practical, professional stream of the Bachelor of Management in Tourism and Bachelor of Management in Events and Leisure.

27449 Performance Studies 4: Skill Acquisition (Sport)

6cp
Requisite(s): 27171 Applied Kinesiology
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject utilises a practical framework to investigate the theoretical and practical components required for the performance of four individual/team sports.

27523 Planning for Sustainable Destinations

6cp
Requisite(s): 27327 Tourism and Sustainability
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the application of environmental planning principles and practices to the level and quality of provision of facilities and settings for tourism experiences. The need for and role of environmental planning are defined in the context of developing tourist destination sustainably. Those aspects of environmental planning legislation and practice that most directly impinge on tourism are examined in detail, in the context of achieving certain general aims and objectives. Environmental planning practices examined include plan formulation and preparation, processes and mechanisms of development control, including zoning and development standards, and environmental impact assessment. Planning for sustainable tourism is considered in relation to a range of destination types, including cities, protected areas and coastal resorts.

27602 Popular Culture and the Experience Industries

6cp
Undergraduate

Popular Culture and the Experience Industries is an elective subject that provides students with an advanced understanding of the links between popular culture and the experience industries. Through the lens of popular culture theory students examine and gain insights into the impacts popular culture has on the lives of people in western capitalist societies, and the ethical implications of the cultural messages conveyed through the mass media.

27603 Community Service Learning and Social Entrepreneurship

6cp

This subject provides students with experiential learning contexts that allow for the identification of the value of disciplinary specific knowledge and generic graduate attributes for community engagement. Through service learning, community engagement projects with partner organisations are provided to enable students to reciprocally engage with community organisations to contribute to community development and reflect on their contribution, learning and social responsibility.

27608 Prevention and Care of Athletic Injuries

6cp
Requisite(s): 27180 Functional Kinesiology
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the management (recognition, treatment and prevention) of injuries related to sport, the workplace and physical activity. Emphasis is placed on immediate recognition and on-site treatment of injuries and the role of the human movement specialist in rehabilitation and prevention of athletic injuries.

27620 Special Learning Project

6cp
Undergraduate

This subject provides students with the opportunity to develop specific project-based vocational or theoretical knowledge in an area of personal interest. It is open to students who have attained a Credit average or above and who have demonstrated a capacity to engage in self-directed work.

27628 Law for Leisure, Sport and Tourism

6cp
Undergraduate

This subject examines the law as it relates to leisure, sport, tourism and events. It provides students with both the knowledge of fundamental principles of relevant laws as well as the ability to identify and analyse problems from a legal perspective.

27642 Tourism Marketing

6cp
Requisite(s): 24108 Marketing Foundations
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject seeks to develop in students an understanding of how marketing concepts and practices apply in the context of both tourism destinations and tourism services. It describes the environmental and industrial context in which the marketing of tourism services and tourist destinations takes place and examines the characteristics of tourism services and tourist destinations that impact upon the application of marketing theory. It also provides an overview of the broad characteristics of inbound, outbound and domestic tourism markets and the various approaches that can be employed to segment these markets. Considerable time is spent discussing strategic considerations in tourism marketing, (such as demand management, branding and positioning, electronic channels for promotion and distribution) and in examining key considerations in the promotion, pricing and distribution of tourism services/destinations. The analysis of case-specific data relating to the marketing of tourism services/destinations is a key aspect of this subject.

In view of the impact of the January 2011 floods and February's Cyclone Yasi on the marketing of Queensland as a destination, some time is devoted to the issue of post-crisis marketing for destinations and tourism businesses.

27647 Airlines and Transportation Management

6cp; 3hpw (2hr lecture, 1hr tutorial)
Recommended studies: introductory tourism subjects and an introductory marketing subject; an understanding of macro-economic concepts on the provision of transport services and the political and regulatory influences on these services
Tourism elective (3rd year)
Undergraduate

This subject introduces students to management within the context of the transportation sector. It covers the airline industry in depth and also explores corresponding issues and concepts within other forms of transport. Its deals with the environmental (especially regulatory) context in which transport providers operate, general principles of transport economics, strategic management, marketing, service delivery and collaborative linkages between the sector and other sectors of the tourism industry.

Typical availability

Autumn semester

27648 The Tourism Business

6cp
Undergraduate

This subject focuses on the industrial element of a tourism system. Students complete a comprehensive, systematic analysis and description of essential elements involved in highly industrialised tourism in terms of their functional, structural, operational and interrelational attributes. This subject also introduces students to ways in which industry firms respond to trends, tourist motivations and external influences and at the same time manage their operations to minimise negative impacts on societies and natural environments.

276901 Honours Thesis 1

15cp
Undergraduate

The honours thesis requires students to produce a 20,000-word thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate students' competency to conceptualise, conduct and present research in a scholarly and independent manner.

276902 Honours Thesis 2

15cp
Undergraduate

The honours thesis requires students to produce a 20,000-word thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate students' competency to conceptualise, conduct and present research in a scholarly and independent manner.

27700 Sustainable Tourism Management

6cp
Postgraduate

This subject provides students with an awareness of significant contemporary issues arising from tourism's impacts on its economic, natural/ecological, social and cultural environments. It explores appropriate policy, planning and management responses to these issues, encapsulated in the pursuit of sustainable tourism. It critically examines a range of broad tourism industry responses, individual enterprise initiatives and forms of government intervention designed to achieve more sustainable tourism. The need to be mindful of tourism's impacts and the pursuit of sustainability are significant parts of the context in which contemporary tourism operates.

27703 Event Management

6cp
Undergraduate

This subject provides students with the skills and knowledge necessary for management positions within the area of special event management. Particular emphasis is placed on conferences, festivals, community special events, sporting events, and promotional events. The subject describes the broad characteristics of special events, and discusses the roles played by events in the development of tourist destination regions. It examines the broad functions performed by events from the perspective of communities, organisers, marketing departments of firms, participants and attendees and reviews the planning, marketing, organising and evaluation tasks associated with events.

27706 Managing Tourism Services

6cp
Postgraduate

This subject examines management as a social process and applies management theories and empirical studies to various travel and tourism industry settings and management structures. It examines the functions and levels of management in travel and tourism industry organisations and develops students' abilities to formulate management strategies and perform management functions appropriate to sectors of the travel and tourism industry. Ethical responsibilities of travel and tourism industry managers in relation to external environments and publics are also considered.

27715 Sport Business

6cp
Postgraduate

This subject aims to provide students with critical understanding of the theories, knowledge and skills necessary for managers in commercialised sport to operate effectively in increasingly complex sociocultural environments and competitive business markets.

Typical availability

Autumn semester, City campus

27717 Venue and Facility Management

6cp
Postgraduate

This subject examines the principles of managing venue and facility operations. Specifically, it addresses how facilities and venues are planned, managed, operated, evaluated and maintained. The subject also covers issues ranging from traffic circulation to security and safety issues. Guest speakers from various venues and facilities are featured and current trends, case studies and future directions are also covered.

Typical availability

Spring semester, City campus

27721 Sport Globalisation

6cp
Postgraduate

This subject provides a critical understanding of global theories and practices in elite-level sports and within a variety of economic, political and socio-cultural contexts. It examines the impact of globalisation on the meaning, production, consumption and performance of sport. The subject therefore seeks to develop knowledge of and sensitivity to values, customs and traditions of sport management practices in a range of international contexts. It examines how global-local forces produce pressure for the adoption or adaptation of dominant modes of sport organisation. An underlying assumption is that awareness of global-local dynamics of economy, politics, culture and sport performance are necessary for advanced leadership of sport in dynamic international settings.

27726 Event Concepts and Contexts

6cp
Postgraduate

This subject provides an overview of the events sector, along with the functions and impacts that events have from the perspective of various groups and organisations within society. Additionally, it examines the various external environments that impact upon, or are impacted by, events. Key tools that can be employed in assessing event impacts (such as cost-benefit analysis) are also reviewed. Issues associated with public policy and events, and the linkage between events and regional/urban development and sustainable development are examined, often through the vehicle of case studies.

27727 Event Creation Workshop

6cp
Postgraduate

This subject examines the process of creating, developing and implementing an event concept. It deals with the nature of the creative process, responding to client briefs, identifying event objectives, site selection and design, the formation and leadership of creative teams, and the selection, sourcing and management of the creative elements of an event. Case studies by leading industry professionals dealing with the development of creative event concepts are a feature of this subject.

27729 Legal Issues for the Experience and Not-for-Profit Industries

6cp
Postgraduate

This subject considers the laws relevant to sport, tourism, events and arts management. The subject explores legal structures and essential laws, including contracts, torts (negligence), consumer protection, intellectual property, industrial relations and those laws which are specific to sport, tourism, events and the arts. Students are equipped to recognise legal obligations in the management context.

Typical availability

Autumn semester, Kuring-gai campus

27732 Sport Organisations

6cp
Postgraduate

This subject provides a framework for analysing the structure, purposes and roles of sport organisations, their key responsibilities to stakeholders, and the impact of policy factors and sociocultural influences on their operation.

27733 The Experience Economy

6cp
Postgraduate

This subject explores the nature and emergence of the experience economy as the broad context within which the arts, sport, tourism and events sectors operate. The distinctive nature of experiences is explored, particularly with regard to the role of the consumer in the co-creation of value within experiences. The particular characteristics of both the demand and supply side of the experience economy are examined, with some emphasis on the role of collective and collaborative behaviour within and between sectors. An understanding of the dynamics of the experience economy leads ultimately to a consideration of the future challenges within the various sectors.

27734 Marketing for the Experience Industries

6cp
Postgraduate

This subject introduces students to the role of marketing in a firm and the principles and concepts that underpin effective marketing within the industry sectors of arts, sport, tourism and events. The marketing of services underpins marketing activity within each of these sectors. Apart from the generic marketing concepts of segmentation, product positioning, branding, pricing, promotion and distribution, this subject also focuses on sponsorship and revenue management, customer loyalty strategies and destination marketing as applicable to each of these industry sectors.

27735 Tourism and the Industry

6cp
Postgraduate

This subject provides students with an essential underpinning and broad knowledge and understanding of the specific and general contexts within which management in, and management of, tourism are practiced. It systematically analyses all the essential elements of tourism, with particular emphasis on the structure and functions of the tourism industry. It also provides an overview of the nature of the interrelationships between tourism and the significant environments with which it interacts. The subject uses information and case studies from Australian and international contexts.

27737 Event Risk Management

6cp
Postgraduate

This subject seeks to develop in students an understanding of the skills and knowledge associated with the creation, implementation, monitoring and evaluation of risk management strategies in an event setting. Additionally, it seeks to provide students with the capacity to critically review existing approaches used by events for the management of risk.

27753 Arts and Cultural Industries

6cp
Postgraduate

This is a specialised subject that explores social, political, cultural and economic factors in the development of arts and cultural production and consumption. The focus is on the development of arts and cultural industries as a whole, policy development and the structures of arts organisations. Particular issues considered include the politics and history of public support for the arts, analysis of audiences, the economic and social impact of the arts, the convergence of the public and private sectors, entrepreneurialism and the arts, analysis of specific arts and cultural sectors and theories of culture and art.

27755 Arts Organisations and Management

6cp
Postgraduate

This is a specialised subject that develops a critical appreciation of management practices and organisational forms in arts and culture organisations. The subject examines the impact of different modes

of managing and creative problem solving. It aims to create an awareness of behavioural issues within arts organisations including power, control, conflict, negotiation, decision-making and strategic planning. It addresses a range of contemporary issues which impact upon managing within these organisations including leadership, human resource management and entrepreneurialism in not-for-profit arts organisations.

27763 Arts and Cultural Policy

6cp
Postgraduate

The aim of this subject is to explore theoretical and conceptual frameworks with which to discuss and critically evaluate current and ongoing issues within the arts industry and to enable students to pursue their own research interests. These interests are related to ongoing professional arts involvement and supported through regular seminar participation. The fields of cultural management and cultural economy form the basis of the subject's critical focus. It draws broadly upon sociology, cultural economy and management concepts to analyse cultural production and consumption. The subject encourages students to investigate a cultural policy in relation to a specific arts organisation or its audience.

27764 Analysis of the Olympic Games

6cp
Postgraduate

This subject provides students with knowledge and understanding of the Olympic Games phenomenon in general, and its impact on host cities and countries. It covers the history of the ancient Olympics; the origins and development of the modern Olympic Games; political dimensions, including examination of the Olympic Games under fascist, communist, and capitalist regimes; boycotts, terrorism and international politics; cultural, sociological and media aspects of the Games; the idea of the 'Olympism' – its origins, construction and cultural significance; social impacts of the Games in host communities; financing of the Olympic Games and their economic impact; the Games as a tourism phenomenon; political, social and economic analysis of hallmark events (festivals and major sporting events) in general; and issues facing the Olympic Games, such as drugs, discrimination and commercialisation.

27765 Event Management

6cp
Postgraduate

This subject deals with the event project management process. This process involves a series of sequential steps, specifically initiation, planning, implementation, employment of control and monitoring systems, evaluation and legacy management. In discussing these steps, those factors that act to condition how they are undertaken are also addressed. Additionally, matters relating to ethical and socially responsible business practice are dealt with in this subject. A core focus is the development of skills and knowledge associated with the ability to critically assess events in terms of their current management practices.

27767 Tourist Behaviour

6cp
Postgraduate

This subject examines the conceptual and methodological approaches to the study of tourist behaviour. It is based on contributions primarily from sociology, cultural geography, social psychology and environmental psychology. It relates the tourist to their sociocultural context. Application of the knowledge to the management of tourism is central to the subject.

27769 Professional Internship for Graduates

6cp
Postgraduate

This subject is designed for graduate students in arts, events, sport and tourism management and for students in the MBA program with a major in arts. For those students who have limited work experience in the arts, events, sport and tourism industries, the subject provides the opportunity, through a placement, to gain such experience and to relate it to theoretical and applied learning. For those students who are already working in a relevant industry, this subject provides the opportunity for students to diversify their experience and their theoretical and applied learning. This subject is based on a practical internship of no less than 160 hours, an evaluation of the work experience gained and a report on the internship by way of an individual learning contract developed in association with a supervisor.

27778 Innovative Services Management

6cp
Postgraduate

This subject explores the nature of innovation and entrepreneurship in service industries. It examines creative management theories and applications of entrepreneurial and innovative thinking, activity and advocacy for change within specific industry organisations. Students work on case studies in understanding the challenges facing specific organisations and their ability to move through a life cycle from new entrant, maturity and decline to reinvention. It includes examining skills in identifying, harnessing and further developing resources from public and private sources as well as developing appropriate products and services for trading. Students develop a business case approach for investment in an innovative or entrepreneurial product or service within a specific service organisation.

27800 Applied Leadership and Strategy

8cp
Postgraduate

This subject focuses on issues of leadership, teamwork and strategic thinking in a global business environment. The subject is experientially grounded and uses both computer-based simulations and creative problem-solving activities that involve leadership and teamwork as catalysts for learning. Students assess business risk through an analysis of industry and competitive conditions in a global context, engage in enhanced problem-solving and creative-thinking exercises, think strategically about a company's competitive situation and future prospects, develop and revise strategies in the light of changing conditions, and reflect on their leadership and team-based actions to gain a deeper understanding of personal strengths and development opportunities.

27935 Applied Studies

6cp
Postgraduate

This elective subject allows self-directed students to develop their own program of study based on a defined research or industry project. As such, it allows students to develop specific expertise in a chosen vocational or academic area within the events, arts, sport or tourism field. The subject provides students with the freedom to define their own study agenda and pursue this with the support of a relevant academic staff supervisor.

Typical availability

Autumn semester, Kuring-gai campus

27941 Advanced Research Methods for Leisure, Sport and Tourism

6cp
Requisite(s): (27707 Applied Research Methods OR ((27344 Research Foundations for Leisure Sport and Tourism OR 27155 Research for Human Movement)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject assumes a basic knowledge of the range of qualitative and quantitative research methods used in leisure, sport and tourism research and the ability to use statistical analysis packages such as SPSS. This subject covers two areas: conceptual and theoretical approached to research and qualitative and quantitative research methods. The first of these addresses the nature of research and its relationship to policy and the development of knowledge and conceptualisation and design of research projects. The quantitative area involves the application of statistical methods and exploration of the more advanced capabilities of the SPSS package.

Typical availability

Autumn semester, Kuring-gai campus

27946 Masters Project

6cp
Requisite(s): 27941 Advanced Research Methods for Leisure, Sport and Tourism
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is an elective option in the Master of Management program in the School of Leisure, Sport and Tourism. The subject provides the opportunity for students to apply knowledge learned and skills acquired in a practical or theoretical context. At the completion of the subject students have prepared a research report or an equivalent piece of work for submission to an academic or professional journal.

28723 Research Dissertation 1 (Business)

24cp

For subject description, contact UTS: Business.

28724 Research Dissertation 2 (Business)

24cp
Requisite(s): 28723 Research Dissertation 1 (Business)
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Business.

31000 e-Business Trading

6cp
Recommended studies: ability to program in Java, and to work comfortably with Java documentation
Undergraduate

This subject covers the following topics: the structure of electronic markets and their role in electronic business; an analysis of various negotiation mechanisms suitable for deployment in electronic business; take-it-or-leave-it mechanisms, auctions, bargaining (haggling) and contracts; an examination of the mechanisms being used in existing commercial electronic markets; and the design, construction and deployment of negotiation software for both electronic trading agents and electronic markets.

31005 Advanced Data Analytics

6cp
Requisite(s): 31040 Data Mining and Knowledge Discovery OR 31250 Introduction to Data Analytics
Recommended studies: knowledge of database technologies
Undergraduate

Data analytics is an exciting new field combining databases, artificial intelligence, machine learning and visualisation among others. It is applied in many fields of business, industry and science to discover new information and knowledge. At the heart of data analytics are the knowledge discovery algorithms. This subject builds on previous data analytics subjects to give an understanding of how both basic and more powerful algorithms work. It also introduces data analytics approaches for specific domains such as social network analysis and text mining.

31008 Directed Study 1

6cp
Undergraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

31009 Directed Study 2

6cp
Undergraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

31010 Directed Study 3

6cp
Undergraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

31013 Directed Study 4

6cp
Undergraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

31016 Career Management for IT Professionals

6cp
Undergraduate

The aim of this subject is to enable students to understand the culture of the IT workplace, to identify work opportunities, to effectively market themselves to appropriate employers and to develop professional skills and behaviours sought by employers that enable students to transition effectively into the IT workplace. The subject focuses on using information from the workplace to understand typical entry-level IT graduate jobs available, the skills (both technical and generic) required to be competitive job seekers, an understanding of how to develop effective targeted applications and how to perform well in an interview. It prepares IT students to work effectively in groups, to manage meetings and to write well-structured professional reports. The subject supports the development of a skills-based e-portfolio for ongoing career management.

31028 Project

2cp; this subject has no formal classes scheduled, however, students are expected to attend any seminars organised by the subject coordinator and MUST attend any scheduled meetings with their supervisor, client and/or subject coordinator; availability: undergraduate degree students

Requisite elaboration/waiver: Faculty approval required to enrol - student(s) must define a topic, find a supervisor and register the project before being granted permission to enrol in this subject.
Recommended studies: completion of subjects relevant to the project topic
Undergraduate

This subject is intended to give students experience in working independently on a small research or development project. The project may be drawn from any area of information technology or may be part of a multidisciplinary project such as those managed by UTS Shopfront. Students can work on a project individually or in a small group. Each project is supervised by a member of academic staff.

31029 Project

4cp; this subject has no formal classes scheduled, however, students are expected to attend any seminars organised by the subject coordinator and MUST attend any scheduled meetings with their supervisor, client and/or subject coordinator; availability: undergraduate degree students

Requisite elaboration/waiver: Faculty approval required to enrol - student(s) must define a topic, find a supervisor and register the project before being granted permission to enrol in this subject.
Recommended studies: completion of subjects relevant to the project topic
Undergraduate

This subject is intended to give students experience in working independently on a small research or development project. The project may be drawn from any area of information technology or may be part of a multidisciplinary project such as those managed by UTS Shopfront. Students can work on a project individually or in a small group. Each project is supervised by a member of academic staff.

31030 Project

6cp; this subject has no formal classes scheduled, however, students are expected to attend any seminars organised by the subject coordinator and MUST attend any scheduled meetings with their supervisor, client and/or subject coordinator; availability: undergraduate degree students

Requisite elaboration/waiver: Faculty approval required to enrol - student(s) must define a topic, find a supervisor and register the project before being granted permission to enrol in this subject.
Recommended studies: completion of subjects relevant to the project topic
Undergraduate

This subject is intended to give students experience in working independently on a small research or development project. The project may be drawn from any area of information technology or may be part of a multidisciplinary project such as those managed by UTS Shopfront. Students can work on a project individually or in a small group. Each project is supervised by a member of academic staff.

31050 Programming with Patterns

6cp
Requisite(s): (31267 Programming Fundamentals OR 48023 Programming Fundamentals) AND (31271 Database Fundamentals OR 31061 Database Principles OR 31474 Database Fundamentals)
Undergraduate

Patterns are fundamental to many aspects of intelligence. They are produced in pattern recognition systems for image processing and data mining, and are consumed by pattern-matchers to find useful information. Pattern calculus is a new foundation for computation in which patterns are central. It is realised in the programming language bondi (being developed at UTS) that supports a variety of programming styles, including query programming and object orientation. This subject introduces the theory and practice of programming with patterns to students already familiar with a number of programming styles.

31061 Database Principles

6cp; availability: BBus/BComp and non-Faculty of IT students
Recommended studies: it is assumed that students are familiar with basic system analysis concepts and have basic software skills
Undergraduate

This subject introduces the students to basic database design and implementation concepts. Database design techniques, including relational design and E-R analysis, are presented. Database queries using SQL is covered in lectures and supported by practical exercises.

31075 Object-relational Databases

6cp
Requisite(s): 31271 Database Fundamentals
Undergraduate

This subject introduces students to object-oriented and object-relational databases and their application for the management of multimedia and other types of complex data. Following a brief review of relational database and object-oriented principles, the SQL:2003 object-relational model and language features are introduced. This is followed by a description of the multimedia standard SQL/MM. The theoretical discussion of these topics is supported with practical hands-on exercises using the Oracle 11g database management system.

Typical availability

Spring semester, City campus

31080 Digital Multimedia

6cp
Requisite(s): 31267 Programming Fundamentals OR 48023 Programming Fundamentals
Recommended studies: Basic programming skills
Undergraduate

Digital multimedia is a combination of media (text, pictures, audio and video) that is represented digitally and hence can be treated as data by computer programs. The full potential of this fact is yet to be explored, but one facet of it - its interactivity - distinguishes digital multimedia from its predecessors.

Interactive multimedia systems are becoming increasingly widespread and have the potential to provide more complex and engaging experiences for users in many domains, including games, the arts and business. This subject introduces the fundamental principles of interactive multimedia and associated tools.

Typical availability

Spring semester, City campus

31091 Mobile Computing Project

6cp; availability: undergraduate degree students
Requisite(s): ((31089 Mobile IP and Wireless LANs OR 31088 Mobile Networks) AND 31090 Mobile Programming)
Undergraduate

This subject provides students with an opportunity to participate in a group project, developing a simple wireless application. A member of academic staff supervises each group project.

31096 Managing Client/Vendor Relations

6cp
Requisite(s): 31476 Systems Development Project OR 31485 Systems Development OR 31269 Business Requirements Modelling OR 31475 Requirements Engineering OR 31424 Systems Modelling OR 31281 Systems Development Project
Undergraduate

This subject deals with management, social, legal and financial issues that arise when several parties are involved in the development of an information system. Situations considered are outsourcing, insourcing, development partnerships, support relationships and individual contracting. Students are provided with sufficient resources to plan for and evaluate their position as a client or vendor, and to assess where they need professional advice.

31097 IT Operations Management

6cp
Requisite(s): (((31466 Principles of Distributed Computing OR 31509 Computer Fundamentals OR 31516 Networking Fundamentals OR 31268 Web Systems OR 31270 Networking Essentials) AND (31468 Information, Classification and Control OR 31060 Information Systems Principles OR 31266 Introduction to Information Systems OR 31414 Information Systems OR 31472 Introduction to Collaborative Systems)) OR 31484 Information Systems Foundations)
Undergraduate

This subject allows students to develop the knowledge and skills required for effective management of hardware, software and human resources within an information systems organisation. Major topics are resource acquisition, developing software, workplace environment, recruitment and training policies, hardware and software security, operations management and EDP accounting.

31100 Enterprise Development with .NET

6cp
Requisite(s): (31927 Application Development with .NET AND (31061c Database Principles OR 31271c Database Fundamentals OR 31474c Database Fundamentals))
Recommended studies: a good understanding of the C# programming language, client-server network concepts; basic HTML skills; basic database design and SQL
Undergraduate

The development of enterprise applications requires knowledge and skills spanning a range of technical areas. This subject focuses on the key components of enterprise applications and their implementation in .NET. Topics include enterprise application design, security and data access. The language used is C#.

Typical availability

Autumn semester, City campus

31102 Game Design Studio 1

6cp
Requisite(s): ((31262 Introduction to Computer Game Design OR 31002 Introduction to Computer Game Design) AND 78 credit points of completed study in C10229 Bachelor of Science in Games Development)
Undergraduate

This subject teaches students how to design, develop and implement a game based on client specifications. Students examine the game mechanics for multiple indie and experimental games in developing their own game mechanics. A player-centric approach to design

is used where new ideas are tested continuously with end users. Students work in teams taking on roles similar to those found in game development companies. They work independently under supervision and with guidance, but are ultimately responsible for the final project delivery and presentation.

31103 Game Design Studio 2

6cp
Requisite(s): 31102 Game Design Studio 1 AND 78 credit points of completed study in C10229 Bachelor of Science in Games Development
Undergraduate

This subject builds on the existing project produced in 31102 Game Design Studio 1. Students work in teams to polish the games and bring them up to commercial quality product standards. Alternatively, students can extend the games from the previous subject and implement them on a different platform. The intellectual property of the games developed belongs to the team and it is expected that some teams market their games after completion of the subject.

31104 Programming for Special Effects

6cp
Requisite(s): 31264 Introduction to Computer Graphics OR 31140 Introduction to Computer Graphics
Undergraduate

This subject examines the architecture and capabilities of modern graphics processing units (GPUs) with a focus on writing shaders to create special effects, such as fog, shadows, fire, water, clouds, lightning, motion blur and reflections that are seen in games and movies. Shader programming in general as well as different shader languages are discussed. Students learn to develop, test and tune shaders independent of the final application that might use them.

31136 Preparation for and Review of IT Experience

6cp; there are no face to face classes for this subject; there are workshops arranged by the IPU which students are encouraged to attend; available only to students of the Diploma of IT Professional Practice
Undergraduate

This subject involves formal planning of and regular reporting on work experience undertaken in 31137 IT Experience 1. There is particular emphasis on the skills students hope to gain.

Typical availability

Autumn semester, City campus

Spring semester, City campus

31137 IT Experience 1

0cp; available only to students of the Diploma of IT Professional Practice
Undergraduate

To pass this subject and 31139 IT Experience 2 students must complete a total of nine months' full-time employment in suitable IT-related work.

31138 Review of IT Experience

6cp; workshops; available only to students of the Diploma in IT Professional Practice
Requisite(s): 31136 Preparation for and Review of IT Experience AND 31137 IT Experience 1
Undergraduate

This subject involves formal planning of and regular reporting on work experience undertaken in 31139 IT Experience 1. There is particular emphasis on the skills students hope to gain.

Typical availability

Autumn semester, city campus

Spring semester, city campus

31139 IT Experience 2

0cp; available only to students of the Diploma of IT Professional Practice
Requisite(s): 31136 Preparation for and Review of IT Experience AND 31137 IT Experience 1
Undergraduate

This subject is a continuation of 31137 IT Experience 1.

31241 3D Computer Animation

6cp
Requisite(s): 31264 Introduction to Computer Graphics OR 31140 Introduction to Computer Graphics
Recommended studies: basic knowledge of drawing and 2D digital image processing (basic Photoshop) is useful
Undergraduate

This subject covers the major areas of 3D computer animation. It provides students with the opportunity to learn a major commercial 3D modelling, animation, and rendering package.

The subject also covers the principles and practice of pre-production planning, production management and post-production of an animation project. The subject is project-based, and each student develops an animation of their choice.

31242 Advanced Internet Programming

6cp
Requisite(s): (31284 Web Services Development OR 31470 Distributed Computing Architecture) AND (31244 Applications Programming OR 31469 Object-oriented Design OR 48024 Applications Programming)
Undergraduate

This subject provides students with knowledge of and skills in advanced Internet technologies particularly related to server-side Internet programming and business-to-business systems. It covers the topics of application servers, n-tier architectures, Internet technology standards, and description and lookup. The subject also approaches these technologies from a business perspective. In doing so it covers the theory and architectures for business-to-business systems and enterprise application integration.

31243 Analytics Capstone Project B

6cp
Requisite(s): 31250 Introduction to Data Analytics
Recommended studies: A thorough understanding of the thesis area and topic
Information Technology: Software
Undergraduate

Data mining and knowledge discovery is the kernel of contemporary computer analytics and intelligence. The process consists of several iterative steps, including data pre-processing and transformation, the actual data mining and pattern discovery steps, and putting discovered information and knowledge into action. This subject is focused on the practical implementation of this process to large data sets from different areas of human endeavour. It provides students with exposure to real-world analytics scenarios, and with expertise and experience in the application of the data mining techniques and in professional communication of analytics results.

Typical availability

Autumn semester, City campus

Spring semester, City campus

31245 Business Process and IT Strategy

6cp
Requisite(s): 31276 Networked Enterprise Architecture OR 31257 Information System Development Methodologies
Undergraduate

A major concern of businesses is the search for competitive advantage, by forming partnerships such as outsourcing, mutual service provision and virtual organisations. For IT managers this raises a number of complex issues not easily understood and managed. Two ways of achieving competitive advantage and improved collaboration are through business process transformation (BPT) and strategic information planning (SIP) which lead to better alignment between information systems and business processes. In this subject, theories and methods of business process transformation and strategic information planning are presented, together with some of the problems that many organisations have encountered with these methods. Students learn and discuss business and strategy processes that lead to learning organisations that can achieve sustainable competitive advantage.

31246 Network Design

6cp
Requisite(s): 31277 Routing and Internetworks OR 31471 Networking 2
Recommended studies: a good understanding of networking technologies and protocols; some experience with router configuration and protocols
Undergraduate

Network design is still as much an art as a science. This subject formalises in a logical manner the step-by-step analysis and design process. Many designs also rely on extending an existing network for emerging requirements. Principles and issues associated with this approach to the network design problem are considered. Assignments take students through a set of cases that deal with real-world network analysis and design problems.

31247 Collaborative Business Processes

6cp
Requisite(s): 31266 Introduction to Information Systems OR 31472 Introduction to Collaborative Systems OR 31484 Information Systems Foundations OR 31060 Information Systems Principles OR 31414 Information Systems
Undergraduate

The subject describes ways to organise teams to create innovative business solutions by sharing knowledge between people and businesses. It describes how teams are organised to collaborate and share knowledge to quickly develop innovative solutions that address current and emergent issues in society and business. It introduces methods that can be used by agile teams to support the creativity, critical thinking and design that characterise innovation and ways to integrate these into everyday activities. It includes ways in which teams function in modern organisations, how businesses can change to support culturally diverse teams, and how systems can enable effective team operation, including decision making and conflict resolution. The subject outlines the collaborative support tools and social networking that allow teams to collaborate across distance and ways to adapt social networking for knowledge sharing and innovation.

31248 Computer Graphics Project

6cp
Undergraduate

This subject gives students experience in working independently on a small computer graphics project. It also gives students the responsibility for the development of the project from initial analysis to user documentation. The project may be in any area of computer graphics, and students gain a detailed knowledge of and experience in the project area.

31249 Computer Graphics Rendering Techniques

6cp; 3hpw, on campus
Requisite(s): 31264 Introduction to Computer Graphics OR 31140 Introduction to Computer Graphics
Recommended studies: C++ or Java, elementary two- and three-dimensional graphics algorithms
Undergraduate

This subject covers the three major rendering techniques used for image synthesis in computer graphics: rasterisation algorithms, ray tracing and radiosity, with an emphasis on ray tracing. Topics covered include reflection models, ray-object intersections, recursive ray tracing, transparency and refraction, textures, anti-aliasing, shadows, acceleration techniques for ray tracing, triangle meshes, global illumination, and radiosity for diffuse environments.

31250 Introduction to Data Analytics

6cp; 3hpw
Recommended studies: knowledge of database technologies
Information Technology: Software
Undergraduate

Data mining is the art and science of turning large quantities of usually incomprehensive data into meaningful and commercially valuable information. It is the basis of modern computer analytics and intelligence. It includes a number of IT areas, such as statistical methods for identifying patterns in data and making inferences; database technologies for managing the data sets to be mined; a range of intelligent technologies that derive automatically patterns from data; and visualisation and other multimedia techniques that support human pattern discovery capabilities. This subject offers the foundations of data mining and knowledge discovery methods and their application to practical problems. It brings together the state-of-the-art research and practical techniques in data mining, providing students with the necessary knowledge and capacity to initiate and conduct data mining research and development projects, and professionally communicate with analytics experts.

Typical availability

Spring semester, City campus

31251 Data Structures and Algorithms

6cp
Requisite(s): 31244 Applications Programming OR 31469 Object-oriented Design OR 31488 Programming Foundations OR 31508 Programming Fundamentals OR 48024 Applications Programming
Recommended studies: basic programming concepts: variables, loops and decisions;
basic file manipulation in UNIX: directories and files, editing files, re-direction; basic understanding of the standard Von Neumann computer model: the fetch-execute cycle, single memory with byte addressing, input and output with disks, keyboard and screen; understanding of character sets and internal data representations, including ASCII, signed integers, floating point
Undergraduate

This subject teaches students how to design, develop and evaluate data structures and algorithms to meet predefined quality characteristics of functionality (suitability) and usability (understandability, learnability, operability, compliance). Software solutions are implemented using C++. Concepts, theories and technologies underlying the methods and techniques are introduced and explained as required.

31253 Database Programming

6cp
Requisite(s): 31271 Database Fundamentals OR 31061 Database Principles OR 31474 Database Fundamentals OR 31487 Database Management Systems
Recommended studies: it is assumed that students are familiar with basic database concepts; familiarity with the SQL language is mandatory and previous experience with at least one higher-level programming language is required
Undergraduate

This subject teaches students how to design, develop and evaluate database programming and administration solutions to meet pre-defined quality characteristics of functionality (suitability, security), usability (operability), efficiency (time behaviour, resource utilisation), and maintainability (changeability, testability). Database programming and administration solutions are implemented using Oracle 10G, SQL*Plus and PL/SQL. Concepts, theories and technologies underlying the methods and techniques are introduced and explained as required. Students apply all that they have learnt to develop a small application to solve a database problem.

31254 e-Commerce

6cp
Recommended studies: basic internet skills and understanding of the business environment
Undergraduate

This subject develops students' awareness of e-commerce issues and their understanding of the stakeholders, their capabilities and their limitations in the strategic convergence of technology and business. Topics include business models for e-commerce, security, legal and ethical issues. Students develop skills in identifying the advantages and disadvantages of the various electronic payment options, and complete computer-based activities on internet commerce.

31255 Finance and IT

6cp
Requisite(s): 31266 Introduction to Information Systems OR 31472 Introduction to Collaborative Systems OR 31414 Information Systems OR 31060 Information Systems Principles
Undergraduate

This subject provides skills in financial management that are essential to any IT professional working in business today. Students gain knowledge of financial principles and an understanding of reporting requirements which are necessary for the evaluation and design of auditable financial systems. In addition, students develop key

competencies in the financial aspects of IT management and project management including budgeting, job costing, feasibility and risk analysis.

31256 Image Processing and Pattern Recognition

6cp
Requisite(s): 31251 Data Structures and Algorithms OR 31473 Data Structures and Procedural Programming
Undergraduate

Images and videos contain enormous amounts of information that can be extracted automatically by means of image processing and pattern recognition techniques. The extracted information is at the basis of many innovative applications such as video surveillance, diagnosis from medical images, automatic indexing and retrieval of multimedia data, human-computer interaction. This subject gives the students the ability to understand the principles of image processing and pattern recognition and develop software for the automatic analysis and interpretation of images and videos.

31257 Information System Development Methodologies

6cp
Requisite(s): 31269 Business Requirements Modelling OR 31475 Requirements Engineering OR 31488 Programming Foundations OR 31424 Systems Modelling
Recommended studies: knowledge of the software development life-cycle and systems modelling techniques
Undergraduate

Successfully designing and developing information systems is complex and difficult. A number of techniques and approaches have been developed but there are no 'silver bullet' solutions to the problems that plague IT development projects. This subject introduces students to a number of different methodologies and provides them with the skills they need to identify their strengths and weaknesses in key areas. These issues are of critical importance to those wishing to successfully manage software projects.

31258 Innovations for Global Relationship Management

6cp
Requisite(s): 31266 Introduction to Information Systems OR 31472 Introduction to Collaborative Systems OR 31060 Information Systems Principles OR 31414 Information Systems OR 31485 Systems Development OR 31269 Business Requirements Modelling OR 31475 Requirements Engineering
Undergraduate

The computing industry in Australia has passed through a number of stages and is entering a phase where its pivotal role is using computers to maintain relationships, knowledge management and innovation. This has lead to competitive advantage becoming the most important goal. This subject places local IT industries firmly within the local and global economic context. The topics covered include: an overview of the global IT industry, including its direction and structure; the value of IT in business; implications of e-commerce, customer relationship and knowledge management, user modelling, outsourcing, and off-shoring; and legal issues in the new economy for formalising those relationships. The subject also looks at ways of organising business information in organisations, with a focus on informal flows found in organisations. Relationships differ in the kind of work undertaken, process followed in team formation and management. This subject covers relationship building by having students using tools such as portals for maintaining customer loyalty and outsourcing collaborations.

31259 Intelligent Agents

6cp
Recommended studies: ability to program in a suitable language such as Java or C#

This subject introduces students to the concepts of agent computing, and applies those concepts in the context of intelligent internet-based systems. A selection of artificial intelligence techniques are reviewed and related to agents. Students gain sufficient knowledge to be able to take more specialised subjects in internet-based computing and artificial intelligence. By the end of this subject the students should be able to design and implement a simple intelligent agent.

Typical availability

Spring semester, City campus

31260 Interface Design

6cp
Requisite(s): 31244 Applications Programming OR 31469 Object-oriented Design OR 48024 Applications Programming
These requisites may not apply to students in certain courses. See access conditions.
Recommended studies: knowledge of object-oriented programming and basic web technologies
Undergraduate

This subject teaches students how to design, implement and evaluate user interfaces to meet predefined quality characteristics of functionality (suitability), usability (understandability, learnability, operability, compliance) and portability (adaptability). Concepts, theories and technologies underlying the methods and techniques are introduced and explained as required. Students apply all that they have learned to develop and implement a user interface for a business system.

31261 Internetworking Project

6cp
Undergraduate

This subject provides students with an opportunity to participate in a group project, designing and developing a substantial network or network application. Each project is supervised by a member of the academic staff.

31262 Introduction to Computer Game Design

6cp
Requisite(s): 31264c Introduction to Computer Graphics OR 31080 Digital Multimedia
Recommended studies: familiarity with computer graphics and experience with designing interactive systems
Undergraduate

Designing and building computer games is a challenging task. This subject focuses on the software technologies (such as graphics, networks, software design and artificial intelligence) used in computer games and covers basic interactive design, interface design, game design documentation and play mechanics through hands-on projects.

31263 Introduction to Computer Game Programming

6cp
Requisite(s): 31264 Introduction to Computer Graphics OR 31140 Introduction to Computer Graphics
Recommended studies: trace and debug complex programs using Visual Studio
Undergraduate

Game programming involves a plethora of knowledge from different aspects of computing. This subject covers important game-specific programming techniques and algorithms such as 3D rendering, collisions, pathfinding and agent decision-making. Students gain sufficient knowledge to extend existing computer game engines or build a basic game engine from scratch.

31264 Introduction to Computer Graphics

6cp
Requisite(s): 31080c Digital Multimedia AND 31251 Data Structures and Algorithms
These requisites may not apply to students in certain courses. See access conditions.

Requisite elaboration/waiver: students who have not completed 31251 Data Structures and Algorithms may apply for a prerequisite waiver if they are competent in C or C++
Recommended studies: some experience with an integrated development environment such as Visual Studio with C++ would be an advantage, but is not essential; knowledge of linear algebra (e.g. vector, matrix and their manipulation), data structures (e.g. multi-dimensional arrays, stack) is required; good programming skills in C or C++ are also required to successfully complete the subject.
Undergraduate

This subject provides a thorough introduction to the computer representation, manipulation and display of pictorial information. Topics covered include computer graphics hardware and software systems, graphics programming; mathematical tools for 2D and 3D graphics; 2D and 3D graphics algorithms; rendering algorithms; and application areas of computer graphics.

31265 Communication for IT Professionals

6cp
Undergraduate

This subject focuses on developing the academic written and spoken language skills required for undergraduate study in information technology. Students take a critical and analytical approach to understanding and producing written and spoken texts appropriate for IT professionals in the Australian context. Accordingly, students undertake a range of listening, speaking, reading and writing activities and assigned work to maximise the development of their spoken communication and academic literacy.

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/lmUDRKL8Jwc
- Academic video: www.youtu.be/mLodWzUxL1M

31266 Introduction to Information Systems

6cp
Undergraduate

This subject describes today's business environment and how technology is integrated into businesses, government and community systems. It describes the trends to greater mobility, greater complexity, globalisation and business networking, and ways that technology can deliver services needed to improve business competitiveness in an increasingly global and networked environment. It describes the role of information systems for better managing businesses and the formation of business networks.

The subject provides an introduction of different information systems and how data, information and knowledge access by stakeholders and customers can affect them. Techniques on building effective team collaboration skills, relationship skills and successful stakeholder engagement are applied in this subject. Real world case studies are presented to understand the triangular effect between social value, business value and IS value. Additionally, topics on ethics, social responsibility and IS sustainability are also highlighted.

31268 Web Systems

6cp
Undergraduate

In this subject, skills are developed to use the computer as a tool for information processing, and transfer over the internet. At the core of this activity is learning Unix, the operating system which supports the majority of web applications. After understanding the operating system as the steering mechanism, students investigate the underlying hardware which enables calculations, and learn protocols which enable communication across a network.

31269 Business Requirements Modelling

6cp
Requisite(s): 31266 Introduction to Information Systems OR 31060 Information Systems Principles OR 31472 Introduction to Collaborative Systems OR 31484 Information Systems Foundations OR 31414 Information Systems
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject introduces information system concepts, including their static and dynamic components. It describes how these concepts can be used to model information systems to correctly capture their structure and needs. It outlines how the ability to capture information about the system in ways understood by its eventual users improves the final quality of the system. The subject introduces various analysis approaches found in contemporary system development, including object-oriented methods, entity-relationship modelling and describes the relationships between these techniques and their application.

31270 Networking Essentials

6cp
Recommended studies: some knowledge of computer networking is useful but not essential
Undergraduate

Computer networks are now business critical in all modern organisations and business enterprises. They are important in everyday life. This subject introduces students to the fundamental issues in modern data communications and computer networks. This is essential knowledge for all users of IT, IT professionals and those who wish to specialise in computer networking.

Students learn about the layered networking model and are introduced to networking devices and protocols. They learn how these are used in computer networks and in net-based application programs. The primary focus of this subject is Local Area Networks (LAN). Student practical work includes designing and building simple peer-to-peer networks and LANs that are connected to the Internet. The core set of protocols employed on the global Internet, TCP/IP, is studied.

31271 Database Fundamentals

6cp
Requisite(s): 31267 Programming Fundamentals OR 48023 Programming Fundamentals
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: it is assumed that students are familiar with basic system analysis concepts and have basic software skills
Undergraduate

This subject introduces students to the fundamentals of effective database systems. Students are taught how data is structured and managed in an organisation in a way that can be used effectively by applications and users. They also learn to use the language SQL for effective data retrieval and modification. This subject teaches students to appreciate the significance and challenges of good database design and management, which underpin the development of functional software applications.

31272 Project Management and the Professional

6cp
Requisite(s): (31269 Business Requirements Modelling AND 31266 Introduction to Information Systems AND 31268 Web Systems AND (31265 Communication for IT Professionals OR 48230 Engineering Communication) AND (48023 Programming Fundamentals OR 31267 Programming Fundamentals) AND (31270 Networking Essentials OR 48720 Network Fundamentals) AND (31271 Database Fundamentals OR 31061 Database Principles) AND (54 Credit Points in spk(s): C10229 Bachelor of Science in Games Development OR 31138 Review of IT Experience OR 78 Credit Points in spk(s): C10143 Bachelor of Information Technology OR 78 Credit Points in spk(s): C10148 Bachelor of Science in Information Technology OR 78 Credit Points in spk(s): C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice OR 78 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology OR 78 Credit Points in spk(s): C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies OR 78 Credit Points in spk(s): C10245 Bachelor of Science in Information Technology Bachelor of Laws OR 78 Credit Points in spk(s): C10158 Bachelor of Mathematics and Computing OR 78 Credit Points in spk(s): C10224 Bachelor of Mathematics and Computing Bachelor of Arts in International Studies))
Recommended studies: a general awareness of the systems management and development process, the nature of the IT industry and current social and political issues
Undergraduate

This subject covers managing the development and implementation of project solutions with particular emphasis on information systems project management and professionalism. It considers the roles of project and stakeholder management, particularly from the viewpoint of the practitioner as a member of a project team. There is a focus on both organisational and process issues together with the factors that impact quality outcomes associated with different phases of project development. It also considers the professional responsibility of IT workers and the impact of IT on organisations and society.

31274 Network Management

6cp
Requisite(s): 31277 Routing and Internetworks OR 31471 Networking 2
Recommended studies: reasonable familiarity with Windows 2000; some experience with router configuration and protocols
Undergraduate

This subject explains the role of the network manager and the network management system. It discusses the components of network management, i.e. fault management, performance management, configuration management, security management and accounting management. The integration of the components into an enterprise management system is addressed. The lecture material is integrated with laboratory sessions throughout, which allows students to experience aspects of network management including the skills of using basic network management tools and application for network maintenance.

31275 Mobile Networking

6cp
Requisite(s): 31270 Networking Essentials OR 31467 Networking 1 OR 31486 Data Communications OR 31516 Networking Fundamentals OR 48720 Network Fundamentals
Recommended studies: basic understanding of networking and telecommunication concepts
Undergraduate

This subject covers the principles and applications of wireless and cellular telecommunication networks, and their integration with the internet. Various wireless network technologies (WiMAX, IEEE 802.11, Zigbee, Bluetooth) and cellular network technologies (GSM, UMTS, 4G) are introduced. The emphasis is on the concepts, infrastructure and protocols for supporting device/user mobility. The subject also introduces techniques for designing applications for mobile devices, and a mobile application design project at the end of the subject consolidates the learning the student has achieved.

31276 Networked Enterprise Architecture

6cp
Requisite(s): 31269 Business Requirements Modelling OR 31247 Collaborative Business Processes
Recommended studies: knowledge of procedures used to elicit and specify information systems
Undergraduate

Organisations in Australia and around the world are increasingly recognising that they do not operate in isolation and that competitive advantage depends on business networks. This subject introduces ways in which information systems can support business networking, focusing on sharing information and integrating business activities with business partners.

Topics include:

- contractual arrangements and planning
- the role of service and networking standards in the development of inter-organisational networks
- evolving business collaboration
- EDI and exchange of transaction data
- the establishment and management of supply chains.

Students learn how to elicit architectural requirements, develop specifications and design distributed application architectures to support networked business environments.

31277 Routing and Internetworks

6cp
Requisite(s): 31270 Networking Essentials OR 31467 Networking 1 OR 31486 Data Communications OR 48720 Network Fundamentals
Recommended studies: open system interconnection (OSI); transmission control protocol/internet protocol (TCP/IP) and data network models; knowledge of networking terminology, data transmission media, data networking components and devices; internet protocol addressing and variable-length sub-nettinng mask (VLSM)
Undergraduate

This subject extends the work done in the prerequisite subject. Students who are not interested in networking as a career develop a clear model of how networks can impact network based applications. Students who are interested in a career in networking practice or research develop sound knowledge and skills to pursue a networking specialisation. Students learn the role of routing protocols and how to compare them; how to design construct and implement small to medium-sized intranets; and how to perform basic management and security tasks. The role of TCP/IP, ICMP and other protocols in IP networks are evaluated. Students also learn how Cisco routers are used for the practical work.

31280 Strategic IT Project

6cp
Requisite(s): 31272 Project Management and the Professional OR 31478 Project Management and Quality Assurance OR 31454 Project Management and the Professional
Recommended studies: systems design; requirements gathering; project planning; networking; report writing; presentations; working in teams
Undergraduate

This subject deals with issues involved in strategic level analysis and design in a corporate information systems environment. Through a major case study, it reinforces material previously studied, while giving groups of students scope to use their own judgment in applying their knowledge. It stresses the development and assessment of alternative approaches to a system strategy. Senior management and communication skills are also developed.

31281 Systems Development Project

12cp
Requisite(s): (31244 Applications Programming OR 31469 Object-oriented Design OR 48024 Applications Programming) AND (31061 Database Principles OR 31474 Database Fundamentals OR 31271 Database Fundamentals) AND (31269 Business Requirements Modelling OR 31472 Introduction to Collaborative Systems OR 31475 Requirements Engineering OR 31424 Systems Modelling)
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject teaches students how to design, develop and evaluate a software system meeting predefined quality characteristics of functionality (suitability, accuracy, security), usability (understandability, learnability, operability), and maintainability (analysability, changeability, stability, testability).

A case study approach is used to explore the design and development of a complex set of information systems services. The application domain is a commercial setting with a special focus on integration of new and legacy systems. The project is done in highly autonomous teams that, while supervised and directed, are ultimately responsible for the project and delivery of the expected outcomes.

31282 Systems Testing and Quality Management

6cp
Requisite(s): 31257 Information System Development Methodologies
Undergraduate

This subject provides students with the practical knowledge and skills that are necessary to effectively measure and control the quality of software products. It covers software quality assurance and management principles and practice together with systems and software testing approaches.

31283 WANs and Virtual LANs

6cp
Requisite(s): 31277 Routing and Internetworks OR 31471 Networking 2
Undergraduate

This subject extends the work covered in Networking Fundamentals and Routers, Routing Basics and Internetworking. VLANs (Virtual LANs) and WAN (Wide Area Network) protocols are studied. VLANs connecting to different WAN technologies are implemented. Practical work is on Cisco switches and routers within the UTS Cisco Academy. After completing this subject students should be prepared for sitting the industry certification CCNA (Cisco Certified Network Associate) exam.

Access conditions are available in the individual subject descriptions in the online handbook.

31284 Web Services Development

6cp
Requisite(s): (31267 Programming Fundamentals OR 31465 Object-oriented Programming OR 48023 Programming Fundamentals) AND (31268 Web Systems OR 31466 Principles of Distributed Computing)
Recommended studies: understanding of basic distributed computing concepts, an ability to create web pages, and good familiarity with the Java programming language
Undergraduate

Web-based applications play an important role in contemporary commercial software development. This subject introduces concepts and technologies related to the development of modern web applications.

31285 Mobile Applications Development

6cp
Requisite(s): 31244 Applications Programming OR 31469 Object-oriented Design OR 48024 Applications Programming
Recommended studies: basic programming experience is assumed
Undergraduate

This subject covers theory and technologies for the development of distributed applications for mobile devices as well as introducing design principles for applications for small devices. It addresses android for mobile devices. The subject also provides a basis for understanding how different techniques can be used to develop distributed mobile applications.

31335 Extreme Programming

6cp
Requisite(s): (31473 Data Structures and Procedural Programming OR ((31488 Programming Foundations OR 31508 Programming Fundamentals) AND 31485 Systems Development) OR ((31244 Applications Programming OR 48024 Applications Programming) AND (31269 Business Requirements Modelling OR 31475 Requirements Engineering OR 31424 Systems Modelling)))
Recommended studies: the ability to program in a high-level object-oriented programming language such as Java, C# or Visual Basic .NET
Undergraduate

This subject introduces extreme programming practices and, in general, agile methodologies. It covers the topics of analysis, estimation, iteration planning, testing and pair programming within the extreme programming methodology. It also looks at how to introduce extreme programming into an organisation.

31338 Network Servers

6cp; availability: undergraduate degree students
Requisite(s): (31268 Web Systems AND (31270 Networking Essentials OR 48720 Network Fundamentals))
Undergraduate

Through this subject students gain an understanding of the design principles and implementation issues for the deployment of network servers based on Windows and Linux operating systems. Techniques and skills for system administration are developed through a comprehensive sequence of laboratory activities in combination with mini-lectures and design tasks.

31352 Project

6cp
Undergraduate

For further details, contact UTS: Information Technology.

31482 Honours Project

12cp
Requisite(s): 32931 Technology Research Methods
There are also course requisites for this subject. See access conditions.
Recommended studies: a thorough understanding of the thesis area and topic
Honours

The Honours Project is the second part of the honours program where students undertake a research proposal as developed in the first semester. This involves a substantial investigation under the supervision of a member of academic staff and is examined on the quality of the written report.

31489 Industry Study 1

6cp; distance; availability: Bachelor of Information Technology students
Requisite(s): 24 credit points C10143 Bachelor of Information Technology
There are also course requisites for this subject. See access conditions.
Industry practice
Undergraduate

This subject enables students to consolidate and extend the foundations acquired in first semester by providing 'hands-on' experience in various IT roles (such as Analyst or Programmer) as well as business goals and objectives. It also includes a number of sessions where students share their experiences of various industry sectors and attempt to develop coherent views of their experiences. Students undertake an academic case study of a particular issue in IT during their industry semester. Study topics are chosen in consultation with mentors from the areas: business benefits of IT; business processes; IS design methods; IS usability; and particular technologies used during industry experience.

Typical availability

Spring semester

31490 Industry Study 2

6cp; distance; availability: Bachelor of Information Technology students
Requisite(s): 92 credit points of completed study in C10143 Bachelor of Information Technology
There are also course requisites for this subject. See access conditions.
Industry practice
Undergraduate

Students are allocated a sponsoring organisation for their industry placement. Students undertake an academic study of a particular issue in IT, using their experience in their second industry semester as a case study. Study topics are chosen in consultation with the mentor from: business benefits of IT; business processes; IS design methods; IS usability; and particular technologies used during industry experience. A different topic is chosen from that undertaken by the student in 31489 Industry Study 1.

Typical availability

Autumn semester

31491 Industry Project 1

9cp; availability: Bachelor of Information Technology students
Requisite(s): 24 credit points of completed study in C10143 Bachelor of Information Technology
There are also course requisites for this subject. See access conditions.
Work experience
Undergraduate

The emphasis of this subject is for the student to compare and contrast theory with practice. The student undertakes an academic study of a particular issue in IT, using their experience in their industry semester as a background for the case study, or practical component of the subject.

This subject links theoretical knowledge learnt either in previous subjects or through library research to typical industry practices. In this process the student comes to realise the importance of recognising when theory improves business practices and when business practices are most appropriate. In information technology the latest practices are often trialled, prototyped, or discovered in an industrial setting.

Typical availability

Spring semester, City campus

31492 Industry Project 2

9cp; availability: Bachelor of Information Technology students
Requisite(s): 92 credit points of completed study in C10143 Bachelor of Information Technology
There are also course requisites for this subject. See access conditions.
Work experience
Undergraduate

The emphasis of this subject is for the student to compare and contrast theory with practice. The student undertakes an academic study of a particular issue in IT, using their experience in their industry semester as a background for the case study, or practical component of the subject.

This subject links theoretical knowledge learnt either in previous subjects or through library research to typical industry practices. In this process the student comes to realise the importance of recognising when theory improves business practices and when business practices are most appropriate. In information technology the latest practices are often trialled, prototyped, or discovered in an industrial setting.

Typical availability

Autumn semester, City campus

31675 Thesis (Computing Science)

0cp
Undergraduate

Further information on this subject is available from the UTS: Information Technology research administration officer.

31676 Thesis (Analytics)

0cp

For subject description, contact UTS: Information Technology.

31735 Information Systems and Organisation Development

6cp
Requisite(s): (36 credit points of completed study in Completion of 36 credit points OR ((31484 Information Systems Foundations OR 31266 Introduction to Information Systems OR 31414 Information Systems OR 31060 Information Systems Principles OR 31472 Introduction to Collaborative Systems)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject introduces theories dealing with the behaviour of people in organisations, the structure of organisations, the nature of technology and the relationships between these three areas. Systems thinking is used to bring these views together as a basis for organisation development in an environment changing through the influence of information systems.

31748 Programming on the Internet

6cp
Requisite(s): (31268 Web Systems AND (31267 Programming Fundamentals OR 31465 Object-oriented Programming OR 31488 Programming Foundations OR 31508 Programming Fundamentals OR 48023 Programming Fundamentals))
Recommended studies: basic knowledge of programming languages and Unix systems
Undergraduate

This subject introduces students to the specifics of the World Wide Web (WWW) and internet-based programming. The evolution of the internet and its technical foundation is studied as well as basic techniques for presenting data, text and pictures on the WWW. The client/server paradigm is explored in detail featuring website design and construction using HTML (hypertext markup language), CSS (cascading style sheets), PHP (hypertext preprocessor), MySQL (backend database), and JavaScript. This subject provides a sound basis for understanding how the WWW functions, how to construct websites and how to write software for the WWW using scripting techniques.

31777 Human-Computer Interaction

6cp
Requisite(s): (31269 Business Requirements Modelling OR 31475 Requirements Engineering OR 31476 Systems Development Project OR 31485 Systems Development OR 48440 Software Engineering Practice OR 31424 Systems Modelling) AND (78 Credit Points in spk(s): C10229 Bachelor of Science in Games Development OR 78 Credit Points in spk(s): C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice OR 78 Credit Points in spk(s): C10148 Bachelor of Science in Information Technology OR 78 Credit Points in spk(s): C10143 Bachelor of Information Technology OR 78 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology OR 78 Credit Points in spk(s): C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies OR 78 Credit Points in spk(s): C10245 Bachelor of Science in Information Technology Bachelor of Laws)
Recommended studies: two years full time study in IT or equivalent
Undergraduate

This subject focuses on the design, evaluation and implementation of interactive computing systems for human use within actual situations. Students gain an understanding of human-computer interaction (HCI) principles, including the main concepts, tools and techniques available to build user-centred systems. The subject considers the effects on use of the different metaphors for human activity that designers use in their systems and how user-centred design and evaluation methods can improve the usability of computer systems.

31927 Application Development with .NET

6cp
Requisite(s): 31267 Programming Fundamentals OR 31488 Programming Foundations OR 31508 Programming Fundamentals OR 48023 Programming Fundamentals
Recommended studies: a good understanding of programming constructs, O-O concepts and programming practices
Undergraduate

This subject introduces C#, Visual Studio and the .NET development environment. The emphasis is on examining the .NET framework and the practicalities of developing software in this setting using the C# language.

Typical availability

Spring semester, City campus

31950 Networked Enterprise Design

6cp
Requisite(s): 31060 Information Systems Principles OR 31472 Introduction to Collaborative Systems OR 31484 Information Systems Foundations OR 31749 Internet Commerce OR 31414 Information Systems OR 31266 Introduction to Information Systems
Undergraduate

This subject describes the evolution of systems towards distributed business environments with an emphasis on processes that require people to work together over distance. It describes how people work together and the changes to work practices resulting from the distribution of such work. The subject covers collaboration technologies such as email, video-conferencing, co-authoring and work-flows needed to support distributed business processes. The subject emphasises the design process, describing how to choose and implement collaborative technologies based on systems such as the World Wide Web or Lotus Notes to provide business benefits.

32001 Mobile Commerce Technologies

6cp; availability: Internetworking program students only
Recommended studies: basic internet knowledge
Postgraduate

This subject introduces students to mobile commerce technologies and applications. It highlights the unique challenges associated with the arrival of mobile technologies in the m-enterprise.

32003 Computer Game Design

6cp; availability: MSc in Computing and Master of IT
Recommended studies: familiarity with computer graphics and experience with designing interactive systems
Postgraduate

Designing and building computer games is a challenging task. This subject focuses on the software technologies (such as graphics, networks, software design and artificial intelligence) used in computer games and covers basic interactive design, interface design, game design documentation and play mechanics through hands-on projects.

32004 Game Programming

6cp; availability: MSc in Computing and Master of IT
Recommended studies: trace and debug complex programs using Visual Studio
Postgraduate

Game programming involves a plethora of knowledge from different aspects of computing. This subject covers important game-specific programming techniques and algorithms such as 3D rendering, collisions, pathfinding and agent decision-making. Students gain sufficient knowledge to extend existing computer game engines or build a basic game engine from scratch.

32005 Strategic Leadership for Innovation

6cp; availability: for Graduate Certificate, Graduate Diploma and Masters in IT Management students only; other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic approval from the ITMP program leader
Postgraduate

This subject locates organisational leadership practices within a global business context dominated by a revolution in information and communication technology (ICT). Furthermore, it outlines various potential strategic inflection points facing contemporary Australian organisations and suggests leadership practices through which these can be anticipated and addressed effectively. In particular, it advocates strategic leadership practices that adopt innovation as a competitive strategy in response to the challenges of this era.

32009 Advanced Routing Principles

6cp; availability: Internetworking program students only
Requisite(s): 32524 LANS and Routing AND 32521c WANS and VLANS
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: material studied in CCNA 1-4; concepts of LANs, WANs and VLANs; basic configuration skills on Cisco routers and switches for LANs, WANs and VLANs
Postgraduate

This subject complements and extends the theory and practice learned in 32524 LANs and Routing and 32521 WANs and VLANs. It extends skills and knowledge in scalable interior and exterior routing protocols (OSPF, EIGRP, BGP), route optimisation and redistribution, NAT and network security. The subject is run in the UTS Cisco Systems Network Academy. Cisco routers are programmed as part of practical work. The subject is part of a sequence which will allow students to prepare for the CCNP industry certification.

32010 Wide Area Network Implementation

6cp; availability: Internetworking program students only
Requisite(s): 32521 WANS and VLANS
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: knowledge of some routing protocols covered in 32009 Advanced Routing Principals; materials studied in CCNA
Postgraduate

This subject complements and extends the theory and practice learned in 32524 LANs and Routing and 32521 WANs and VLANs. It extends skills and knowledge in WAN issues for part-time and full-time connectivity. Frame relay, ISDN and POTS technologies are deployed. Emerging WAN technologies are introduced. The course is run in the UTS Cisco Systems Network Academy. Cisco routers are programmed as part of practical work. The subject is part of a sequence which will allow students to prepare for the CCNP industry certification.

32011 Multilayer Switched Networks

6cp; availability: Internetworking program students only
Requisite(s): 32521 WANS and VLANS
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: knowledge of some routing protocols covered in 32009 Advanced Routing Principals is an advantage
Postgraduate

This subject complements and extends the theory and practice learned by completing 32524 LANs and Routing and 32521 WANs and VLANs. This subject extends skills and knowledge in the design and implementation of switched campus networks using VLANs for performance, reliability and security. Inter VLAN routing methods are explored. Multicast protocols, including issues that arise with switched networks, are introduced. Practical work is done on Cisco Systems layer 2 and layer 3 switches. The course is run in the UTS Cisco Systems Network Academy. The subject is part of a sequence which will allow students to prepare for the CCNP industry certification.

32012 Internet Quality of Service (QoS)

6cp
Requisite(s): 32524 LANS and Routing
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: introductory level networking technologies including TCP/IP protocol suit, network protocols and applications
Postgraduate

This subject explores issues and proposed solutions for the provision of Quality of Service (QoS) on the internet. The internet is being slowly transformed from a best-effort delivery architecture to a services architecture on which networked business applications can be deployed with specified performance criteria. This subject provides students with a detailed and precise discussion on issues related with QoS, different mechanisms to achieve end-to-end QoS based on the internet engineering task force (IETF) proposed architectures and explores their limitations. This subject also teaches advanced skills required to optimise the QoS in converged networks that support voice, wireless and security applications.

32013 .NET Enterprise Development

6cp
Requisite(s): 32998 .NET Application Development AND 32606c Database
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to the .NET architecture and the Visual Studio development environment. The emphasis is on examining the .Net framework and the practicalities of developing software in this setting. Particular attention is paid to web development, web services and distributed applications. The design of the framework and the support it provides for language development are also considered in depth. The fundamentals of a programming language is introduced as required.

Typical availability

Autumn semester, City campus

32019 Directed Study 1

6cp
Postgraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

32020 Directed Study 2

6cp
Postgraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

32021 Directed Study 3

6cp
Postgraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

32022 Directed Study 4

6cp
Postgraduate

This subject is a small group subject that covers a specialist topic at an advanced level. The topic of an individual subject is chosen by the subject coordinator. There are no set lectures; instead, the students and the coordinator meet once a week to discuss the topic.

32027 Multimedia Systems Design

6cp
Recommended studies: basic programming skills
Postgraduate

Digital multimedia is a combination of media (text, pictures, audio and video) that is represented digitally and hence can be treated as data by computer programs. The full potential of this fact is yet to be explored, but one facet of it – its interactivity – distinguishes digital multimedia from its predecessors.

Interactive multimedia systems are becoming increasingly widespread and have the potential to provide more complex and engaging experiences for users in many domains, including games, the arts and business. This subject introduces the fundamental principles of interactive multimedia and associated tools.

Typical availability

Spring semester, City campus

32029 Interactive Arts

6cp
Postgraduate

This subject explores principles and techniques of creating interactive works: textual, visual, aural and multimedia. It considers both the creativity process and the process of consumption. Of particular interest is the status of the active audience in art creation. Generative art, performance art and participative art are included, as are both narrative and abstract works. Available tools and techniques are emphasised.

32039 Recent Advances in Software Engineering

6cp
Postgraduate

This subject presents material at a high level by internationally recognised specialists. Topics are chosen from object technology, requirements engineering, systems integration, distributed databases, enterprise systems design and development, artificial intelligence, data mining, multiagent systems, high-performance computing, neural networks and machine learning, computer graphics and animation, and cognitive aspects of software design.

Typical availability

This subject is only offered in semesters when the faculty has a visiting academic in residence. Students interested in this subject are advised to consult with the head of the School of Software.

32040 Industry Project

6cp
Recommended studies: Project management, quality management, systems development
Postgraduate

This subject is designed to allow students to undertake short-term IT work experience by being involved in suitable group or individual projects. Most projects are in conjunction with UTS Shopfront clients, however, independent projects are possible. Each project is supervised by a member of academic staff. Availability is dependent on the supply of suitable projects and academic staff.

Typical availability

Summer session, City campus

32050 Programming with Patterns

6cp
Postgraduate

Patterns are fundamental to many aspects of intelligence. They are produced in pattern recognition systems for image processing and data mining, and are consumed by pattern-matchers to find useful information. Pattern calculus is a new foundation for computation in which patterns are central. It is realised in the programming language bondi (being developed at UTS) that supports a variety of programming styles, including query programming and object orientation. This subject introduces the theory and practice of programming with patterns to students already familiar with a number of programming styles.

32106 Agile Method Engineering

6cp; availability: students who have not met the academic requisite but have knowledge of basic object-oriented concepts and basic UML notation may apply to enrol in this subject
Requisite(s): 32536 Advanced Software Modelling
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: general computer science/information systems/software engineering
Postgraduate

This subject deals with the use of situational method engineering (SME) in the full life cycle of developing software, addressing both technical and management issues, and focusing on pre-coding issues. These techniques are also explored practically in a project-based systems development assignment. Lectures primarily discuss the third generation OO methodology, OPEN, as an example of SME. There is a software engineering focus throughout the subject, including discussion of project management, metrics and process maturity and SMM-I appropriate for a composite systems development environment.

32109 Troubleshooting Converged Networks

6cp
Requisite(s): 32009 Advanced Routing Principles AND 32011 Multilayer Switched Networks
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

In the subjects 32009 Advanced Routing Principles and 32011 Multilayer Switched Networks students have developed knowledge and skills for the design and implementation of a variety of complex internetworking scenarios. This subject consolidates approaches to network maintenance and troubleshooting internetworks that are under-performing or failing by applying sound problem-solving principles to a series of structured laboratory exercises and case studies. On completion of this subject, students are prepared for the troubleshooting (and final) paper of the industry accreditation CCNP (Cisco Certified Network Professional).

32113 Advanced Database

6cp
Requisite(s): 31487 Database Management Systems OR 31271 Database Fundamentals OR 31061 Database Principles OR 31474 Database Fundamentals OR 32606 Database
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: a clear understanding of basic database techniques including relational database technology
Postgraduate

This subject reviews material on relational databases and covers advanced topics such as distributed databases. Data warehousing and mining techniques, implementation and management are covered in detail.

32118 Mobile Communications and Computing

6cp
Recommended studies: basic understanding of networking and telecommunication concepts
Postgraduate

This subject covers the development of the wireless network technology from cellular networks to IP wireless networks. The emphasis is on the concepts, infrastructure, and protocols for supporting device and user mobility. The subject also focuses on the development of a simple mobile application for small devices.

32120 Introduction to e-Business Technology

6cp
Postgraduate

This subject focuses on developing and maintaining e-business technology and environment. It looks at e-business architectures through the latest technologies in networking communications, business models and e-business management principals. It also examines various important issues, such as e-business applications, contents, telecommunication technologies and internetworking security. Finally, it examines the future trend of the e-business in relation to technological advancement and consumer demand.

32130 Fundamentals of Data Analytics

6cp
Postgraduate

Data mining is the art and science of teasing meaningful information and patterns out of large quantities of data. It combines statistical methods for identifying patterns in data and making inferences with a number of IT technologies, including database technologies for handling massive volumes of data, intelligent and smart systems technologies, visualisation and other multimedia techniques that appeal to human pattern discovery capabilities. The subject offers broad background to data mining methods and their application in practice. It brings together the state-of-the-art research and practice in related areas and provides students with the necessary knowledge and capacity to initiate and lead data mining projects that can turn company data into commercially valuable information.

32131 Data Mining and Visualisation

6cp
Requisite(s): 32130 Fundamentals of Data Analytics
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Modern businesses (including e-commerce and e-business systems) integrate data mining technologies to discover new information and knowledge about products they offer, customers they serve and the relations between them. Data mining incorporates a number of IT technologies for data analysis and visualisation. This subject offers broad coverage of the application of data mining technologies to modern enterprises.

Note(s)

This subject is not currently available to students for enrolment.

32133 e-Market Trading Technology

6cp; availability: Honours and postgraduate degree students
Recommended studies: ability to program in Java, and to work comfortably with Java documentation
Postgraduate

This subject covers the following topics: electronic markets and their role in electronic business; electronic trading and its role in electronic markets; economic mechanisms for trading and bargaining in markets and exchanges; an examination of the mechanisms being used in various existing commercial electronic markets; the significance of strategies, equilibria and efficiency to the design of automated trading systems; and the design, construction and deployment of smart trading systems for electronic markets. This subject reinforces the students' Java programming skills.

32144 Technology Research Preparation

6cp
Postgraduate

This subject provides postgraduate technology students with professional communication skills appropriate to their course. The subject begins with the techniques necessary to develop a literature review and professional ethics is taught in the research context. The class breaks into two streams. Those undertaking research degrees take the Research Stream and produce a complete literature review. Those undertaking coursework degrees take the Professional Stream and produce a project proposal, suitable for implementation in 32933 Research Project.

Typical availability

Autumn semester, City campus

32145 Commercial Environment of IT

6cp
Postgraduate

This subject places local IT industries within the local and global economic context. Topics covered include the history, direction and structure of the global IT industry; typical IT activities such as marketing, support, hardware and software production; various organisation models for IT supply, such as in-house development, contracting and outsourcing; legal and ethical issues; the local economy in the global environment; and local IT opportunities. Local economies covered are Australian and two or three other economies that may be of interest to the majority of students.

Note(s)

This subject is not currently available to students for enrolment.

32146 Data Visualisation and Visual Analytics

6cp
Requisite(s): 32130 Fundamentals of Data Analytics
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject covers the core data and information visualisation technologies that support data mining, and knowledge management and navigation through various visual metaphors. Students examine visualisation systems, tools, techniques and visual metaphors and learn how to evaluate the different visualisation approaches. Students also explore data mining applications that rely on visualisation and learn how to develop new and innovative visualisations to support information exploration, decision-making, communication and information sharing in a variety of domains.

Note(s)

This subject is not currently available to students for enrolment.

32147 Introduction to IT Management

6cp
Postgraduate

This subject provides an introduction to management with an emphasis on information technology (IT) management. The subject covers various management theories of organisations and how these may apply to IT management. Contemporary issues and management topics specific to information technology are also considered.

Note(s)

This subject is not currently available to students for enrolment.

32148 Enterprise Computing

6cp
Recommended studies: basic understanding of internet standards and technologies including HTML, XML, HTTP, and Java; understanding of fundamental database concepts and techniques, including SQL; experience with systems development gained through work experience or university projects
Postgraduate

Computing professionals are facing new challenges as a result of increasing complexity in the enterprise computing environment and fast-evolving technologies. This subject focuses on standards, architectures and technologies used in enterprise computing. Topics include component frameworks, service-oriented architectures, web services, data integration and XML techniques.

32208 Information Systems Strategy

6cp
Recommended studies: basic understanding of information systems and technologies and their use in business
Postgraduate

IS strategy is a key concern for both IT managers and managers of other business functions within enterprises. Through a brief presentation of key issues, case studies and presentations of students' own experiences, this subject deals with the development, evaluation and impact of information systems in organisations; choices that, together, form part of IT and IS strategy.

32209 Advanced Topics in Computer Networks

6cp
Recommended studies: A basic knowledge of statistics and/or experience in programming in C, C++ or Java
Postgraduate

This subject allows students to study several major advanced topics in networking in depth in an informal, small group situation. Learning is based around a series of readings, where a set of readings is discussed each week by the students and the subject coordinator.

32210 Computer Vision and Image Processing

6cp
Recommended studies: Experience in developing programs in the C programming language
Postgraduate

Computer vision is a widespread discipline playing a relevant role in fields such as multimedia, robotics, automated industrial inspection, visual surveillance and medicine. This subject aims to give students the ability to understand how a computer can emulate vision functions. It also enables students to design and implement computer vision and image processing applications.

Note(s)

This subject is not currently available to students for enrolment.

32309 Digital Forensics

6cp
Requisite(s): 32548 Network Security
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: an understanding of the principles and objectives of network security and of the fundamentals of network security technologies; CCNA-level networking concepts and skills, in particular packet analysis skills
Postgraduate

This is a practice-based subject, using material based on the textbooks. Learning is laboratory-based. The emphasis is on digital forensics applications, in particular:

- forensic analysis of a digital storage device where evidence is recovered to support or oppose a hypothesis before a criminal court
- eDiscovery (a form of discovery related to civil litigation)
- intrusion investigation into the nature and extent of an unauthorised network intrusion.

32310 Network Security Appliances

6cp; availability: Internetworking program students only
Requisite(s): 32548 Network Security
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: understanding of the principles and objectives of network security and of the fundamentals of network security technologies; CCNA-level networking concepts and skills, in particular CCNA-level routing and switching skills
Postgraduate

This is a practice-based subject, using material based on the Cisco Network Security course. Learning is laboratory-based. The emphasis is on network security appliances, in particular:

- security technologies, products and solutions
- firewall and secure router design, installation, configuration and maintenance
- AAA implementation using routers and firewalls
- VPN implementation using routers and firewalls.

32405 User-Centred Design Methods

6cp
Postgraduate

There are now a range of design methods that claim to be 'user-centred'. This subject identifies the major methods, defines their similarities and differences, and explores their theoretical backgrounds and commitments. It develops student expertise in the application and use of soft systems methodology, participatory and contextual design methods, action research and ethnographic studies of work practice and technology use. Students also extend their understanding of the development and use of user scenarios, personas, and other representations of work and users in the technology design process.

Note(s)

This subject is not currently available to students for enrolment.

32501 Computer Graphics

6cp
Recommended studies: students must be competent programmers in a high level language such as C, C++, Java, or Visual Basic; some experience with an integrated development environment (IDE) such as Microsoft Visual Studio C++ is an advantage, but is not essential; good programming skills in C or C++ is also an advantage; knowledge of linear algebra (e.g. vector, matrix and their manipulation) and data structures (e.g. multi-dimensional arrays, stack) is required
Postgraduate

This subject teaches students how the representation, manipulation and display of pictorial information can be achieved using computers with a focus on building research skills. Topics covered include computer graphics hardware and software systems, graphics programming; mathematical tools for 2D and 3D graphics; 2D and 3D graphics algorithms; rendering algorithms; and application areas of computer graphics.

32509 Interaction Design

6cp; availability: Honours and postgraduate degree students
Recommended studies: students should have at least two years IT-related work experience
Postgraduate

Interaction Design (ID) is defined as designing interactive products to support people in their everyday and working lives. This entails creating user experiences that enhance and extend the way people work, communicate and interact. ID extends the focus of Human-Computer Interaction (HCI) beyond designing computer systems for a single user sitting in front of a single machine. One of the central challenges is to keep abreast of technological development, to understand the usability issues associated with these and to use this understanding to ensure that technology is harnessed for maximum human benefit. This subject focuses on user-centred approaches to, and methods for, technology design. It provides students with an understanding of the principles of Interaction Design as well as concepts, tools and techniques that can assist in the creation of both useful and usable technology that supports users' activities. The subject introduces both the social and the technological aspects of Interaction Design as well as usability design and evaluation methods.

32510 Principles of Object-oriented Programming in C++

6cp; availability: Honours and postgraduate degree students
Requisite(s): 32106 Agile Method Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Topics in this subject include: review of object-oriented design principles and practice; and objects, classes, run-time instantiation, inheritance, information hiding, polymorphism and libraries, and their implementation in ANSI C++.

32513 Advanced Data Analytics Algorithms

6cp
Requisite(s): 32130 Fundamentals of Data Analytics
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: knowledge of database technologies
Undergraduate

Data analytics is an exciting new field combining databases, artificial intelligence, machine learning and visualisation, among others. It is applied in many fields of business, industry and science to discover new information and knowledge. Central to data analytics are the algorithms themselves. This subject builds on previous data analytics subjects to give an understanding of how basic as well as more powerful and subtle algorithms work. It also introduces data analytics approaches for specific domains such as social network analysis and text mining.

32516 Internet Programming

6cp; 1.5hpw (lecture), 1.5hpw (laboratory)
Recommended studies: basic knowledge of programming languages and Unix systems
Elective subject that is available for all postgraduate course work students
Postgraduate

This subject introduces students to the specifics of the World Wide Web (WWW) and internet-based programming. The evolution of the internet and its technical foundation is studied as well as basic techniques for presenting data, text and pictures on the WWW. The client/server paradigm is explored in detail featuring website design and construction using HTML (Hypertext Markup Language), CSS (Cascading Style Sheets), PHP (Hypertext Pre-processor), MySQL (back-end database) *and* Java *techniques*,. This subject provides a sound basis for understanding how the WWW functions, how to construct websites and how to write software for the WWW using scripting techniques.

32520 UNIX Systems Administration

6cp; availability: Internetworking program students only
Requisite(s): 32547 UNIX Systems Programming
Recommended studies: students must be competent users of the UNIX operating system before commencing this subject
Postgraduate

UNIX operating systems occupy important roles in the server market and internet infrastructure. Consequently, most inter-networking graduates are exposed to UNIX systems at some point in their career.

In this subject, students learn about UNIX systems administration including: user administration, file systems, installing and administrating network services, security, and performance management. This subject builds on the content of the prerequisite subject but focuses on systems administration rather than programming. Thus, students should be competent users of UNIX. There is a strong emphasis on the laboratory component in the subject.

This subject also provides preparation for the Linux Professional Institute Certification (LPIC) Level 1 exams 117-101 and 117-102.

32521 WANS and VLANS

6cp
Requisite(s): 32524 LANS and Routing, and with a minimum mark of 50% OR 31277 Routing and Internetworks OR 31471 Networking 2
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject extends the work covered in 32524 LANs and Routings. WAN and LAN design is introduced. Use of the UTS Cisco Academy resources are used for practical work. After completing this subject students may sit for the industry certification CCNA (Cisco Certified Network Associate).

Note(s)

This subject was formerly called 32521 Internetworking.

32524 LANS and Routing

6cp; availability: Internetworking program students only
Recommended studies: competency in the use of PCs, fundamental knowledge of the working principles of a computer, basic understanding of computer networking and the internet
Postgraduate

This subject provides students with knowledge of LAN hardware and physical layer standards, and basic computer networking concepts and principles, and introduces local area network (LAN) design and the use of routers and routing in autonomous system intranets. It also explains how these access WANS. Use of the Cisco Academies online resources and practical work in wiring and configuring LANs, including Cisco routers, is an integral part of this subject.

32525 Web Services Technologies and Applications

6cp
Requisite(s): 32516 Internet Programming
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: good understanding of Java fundamentals and have a basic understanding of networking concepts
Postgraduate

This subject introduces students to contemporary service-oriented technologies available for building distributed applications. It introduces distributed computing programming techniques such as XML, web services and service-oriented architectures, and discusses further advanced topics.

32527 Internetwork Design

6cp
Requisite(s): 32524 LANS and Routing
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: a good understanding of networking technologies and protocols; some experience with router configuration and protocols
Postgraduate

Network design is still as much an art as a science. This subject formalises in a logical manner the step-by-step analysis and design process. Many designs also rely on extending an existing network for emerging requirements. Principles and issues associated with this approach to the network design problem are considered. Assignments take students through a set of cases that deal with real-world network analysis and design problems.

32528 Network Management

6cp
Requisite(s): 32524 LANS and Routing
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: reasonable familiarity with Windows 2000, and some experience with router configuration and protocols
Postgraduate

This subject explains the role of the network manager and the network management system. It discusses the components of network management, i.e. fault management, performance management,

configuration management, security management and accounting management. The integration of the components into an enterprise management system is addressed. The lecture material is integrated with laboratory sessions throughout, which allow students to experience aspects of network management.

32530 Building Intelligent Agents

6cp
Recommended studies: ability to program in a suitable language such as Java or C#
Postgraduate

This subject introduces students to the concepts of agent computing, and applies those concepts in the context of intelligent internet-based systems. A selection of artificial intelligence techniques are reviewed and related to agents. Students gain sufficient knowledge to be able to take more specialised subjects in internet-based computing and artificial intelligence. By the end of this subject the students should be able to design and implement a simple intelligent agent.

32531 Global Information Systems

6cp
Recommended studies: a general awareness of computers, the internet and modern business issues (particularly globalisation)
Postgraduate

This subject covers new requirements placed on information systems arising out of the globalisation of business operations. It covers new ways of doing business in global environments, including formation of alliances and joint ventures, and ways that information systems must be developed to support them. The interaction of technical issues and social issues, including culture, is studied.

32535 Database in Distributed Environments

6cp
Recommended studies: it is assumed that students are familiar with basic database and network concepts and have a working knowledge of SQL together with some knowledge of programming concepts
Postgraduate

This subject covers a range of topics in distributed databases. The main topics include: discussion of distributed database design; distributed transactions and queries; and data replication strategies. Modern database server techniques are introduced.

32536 Advanced Software Modelling

6cp
Recommended studies: general computer science/information systems/software engineering
Postgraduate

This subject looks at the basic principles of modelling in software engineering. Various modelling languages and notations are used and explained:

- UML (metamodel and notation) including classes, objects, interfaces, relationships and use cases; more advanced modelling (roles, responsibilities and stereotyping); and the use of UML in practice
- BPMN including business process diagrams (an alternative to activity diagrams); the use of modelling with emerging technologies such as cloud computing and mobile computing is also a focus.

32541 Project Management

6cp
Recommended studies: an understanding of IT projects and an awareness of the IT industry
Postgraduate

This subject covers the management of the development and implementation of information technology solutions, with particular emphasis on information systems, project management, and contemporary issues in the delivery of information technology solutions to the business. It considers the role of project management in business and identifies the managerial control and reporting aspects necessary from inception to implementation of a software development project.

32543 3D Animation

6cp; availability: Honours and postgraduate degree students
Recommended studies: some basic computer graphics knowledge is useful; drawing; 2D digital image processing such as basic Photoshop
Postgraduate

This subject covers the major areas of 3D computer animation. It provides students with the opportunity to learn a major commercial 3D modelling, animation and rendering package. It also covers the principles and practice of pre-production planning, production management, and post-production of an animation project. The subject is project-based, and each student develops an animation of their choice.

32544 Advanced Image Synthesis Techniques

6cp; 3hpw, on campus
Recommended studies: C++ or Java, elementary two- and three-dimensional graphics algorithms
Postgraduate

This subject covers the three major rendering techniques used for image synthesis in computer graphics: rasterisation algorithms, ray tracing and radiosity, with an emphasis on ray tracing. Topics covered include reflection models, ray-object intersections, recursive ray tracing, transparency and refraction, textures, anti-aliasing, shadows, acceleration techniques for ray tracing, triangle meshes, global illumination, and radiosity for diffuse environments.

32547 UNIX Systems Programming

6cp
Recommended studies: competent UNIX computer user with some programming experience
Postgraduate

This subject allows students to develop their Perl and UNIX knowledge and skills appropriate for professional practice in a UNIX environment. The subject also exposes students to other high level 'scripting' utilities. This is of general benefit and is not covered elsewhere in the course.

32548 Network Security

6cp
Requisite(s): 32524 LANS and Routing
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: a sound knowledge of computer networking
Postgraduate

This subject consolidates the student's understanding of network security by considering security principles, methodologies and technologies from a technical and management perspective. Issues such as policy-based networking, directory services, IPsec, and basic methodologies such as firewalls, proxies, encryption and authentication are dealt with.

32549 Advanced Internet Programming

6cp
Requisite(s): 32516 Internet Programming
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: basic understanding of HTML/CSS, intermediate Java programming skills
Postgraduate

This subject complements and extends 32516 Internet Programming. It focuses on server side issues and the construction of medium- to large-scale web-based business-to-consumer (B2C) and business-to-business (B2B) applications using Java Enterprise Technology. In this subject, application servers, integration of data from multiple sources, transactions, and delivery of resultant data as XML or WAP to multiple client mechanisms are dealt with. Topics include Java Server Pages (JSP), servlets, Java Data Base Connectivity (JDBC), Java Naming and Directory Interface (JNDI) and Enterprise Java Beans (EJB). Consideration is also given to dealing with legacy systems. RMI and CORBA are discussed.

32550 Advances in Requirements Engineering

6cp
Recommended studies: a good understanding of software development process
Postgraduate

Requirements engineering is a multi-disciplinary, human-centred and communication-rich activity of software and systems development. This subject introduces the foundations of requirements engineering research and practice. The range of advanced techniques, methods and tools that support activities making up the requirements engineering process is also studied.

Note(s)

This subject is not currently available to students for enrolment.

32552 IP Telephony and Voice over IP

6cp; availability: Internetworking program students only
Requisite(s): 32521 WANS and VLANS
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Telephony based around the internet protocol (IP) is a significant issue for modern businesses as well as to traditional voice service providers. This subject provides an introduction to converged voice and data networks as well as to the challenges faced by its various technologies. Practical work allows students to learn about connecting telephone users via the Public Switched Telephone Network (PSTN) using a router, so bypassing traditional PBX devices. Practical work also includes the connecting of IP phones directly across WAN or LAN data links using Voice over IP (VoIP). Cisco Call Manager Express is used in laboratory work. VoIP Quality of Service (QoS) issues and techniques are discussed and implemented. It is assumed students have knowledge of the IP, router configuration and routing protocols.

32553 Leadership and People Management

6cp; availability: Graduate Certificate, Graduate Diploma and Master of Business in IT Management students only; other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic approval from the ITMP program leader
Postgraduate

This subject explores the phenomenon of organisational leadership within a global knowledge economy dominated by a revolution in information and communication technology (ICT). Its focus is on the leadership practices that generate the intangible capital resources (ICRs) required for success in this knowledge economy; in particular those practices that build a social environment characterised by strong relationships and committed, focused endeavour. In the development and leveraging of these ICRs, and the relationships that generate them, critical practices around the management of power are identified and explored. Furthermore, the subject attempts to develop in students appropriate theoretical and conceptual frames of reference and knowledge bases for the mastery of such practices.

Typical availability

Spring semester, City campus

32555 Fundamentals of Software Development

6cp
Requisite(s): 120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

In this subject students are introduced to a range of object-oriented systems development methodologies used throughout the software development process, from specifications to code generation and testing. Through the use of a case study and work in project teams, the subject aims to develop students': teamwork skills; ability to develop user specifications; ability to design systems that meet the specifications; and ability to demonstrate that the objectives of the system are met. Topics such as systems requirements determination, system design, object-oriented design and systems testing are covered. The subject also includes a brief introduction to programming.

Typical availability

Autumn semester, City campus

Spring semester, City campus

32557 Enabling Enterprise Information Systems

6cp
Postgraduate

This subject introduces students to the uses of information systems in generating business value for organisations. It deals with the different types of enterprise information requirements, techniques of IS development to accommodate those requirements and managing the ongoing information needs of the enterprise. The emphasis is on requirements gathering, analysis and design activities including working in design teams.

32558 Business Intelligence

6cp
Recommended studies: general knowledge of business organisations and uses of IT and the internet
Postgraduate

This subject deals with information systems as part of business organisations. It addresses the processes of generation, dissemination, retention, application and distribution of corporate information and knowledge. The subject also includes key aspects of information systems development approaches and ways of designing systems that provide business intelligence to enterprises. A range of issues in business organisations with regard to knowledge management is covered. The techniques are explored practically in project-based assignments.

32559 Business Systems Design

6cp
Recommended studies: some knowledge of conceptual modelling techniques are an advantage
Postgraduate

This subject describes ways in which information systems can contribute to managing business systems in contemporary collaborative and complex business environment. It covers ways to propose information system solutions to complex business and social problems aligning system development with mission and vision of the enterprise. The subject considers design from a number of perspectives especially business activity, process workflow, social networking and knowledge sharing, and user design perspectives.

The subject covers the methods now increasingly used to develop information systems to respond to emerging business system requirements, distinguishing between the well-defined organisation-driven methodologies to those that are predominantly user-driven, agile and for solving difficult problems. The subject then describes choosing appropriate emerging technologies to meet the system requirements. The subject also emphasises ways of integrating different system activities into organisation-wide systems and inter-organisational systems.

32560 Information Systems Architecture Design

6cp
Postgraduate

This subject focuses on contemporary organisational environments and describes ways to align business requirements to information systems design by using emerging information technologies. It focuses on trends to information systems and the need to maintain agility and innovation within competitive business environments using emerging information technologies and their impact on the design of information systems architecture. Innovative information systems architectures for combining emerging information technologies into integrated business processes in support of enterprise innovation and cost-effective business operations is studied intensively in this subject. Different kinds of emerging information technologies are analysed on how to support business activities for cost-effective business operations, information exchange and knowledge sharing.

32561 Managing Organisational Change

6cp; availability: Graduate Certificate, Graduate Diploma and Master of Business in IT Management students only; other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic approval from the ITMP program leader.
Postgraduate

This subject explores a set of fundamental concepts and models relating to change management in the evolving knowledge economy. Central themes include an understanding of core organisational process and structure, and the ways in which people and technology leaders can drive strategic change. The subject presents dilemmas in, and approaches to implementing change in real companies through a set of case studies. Through a collaborative process involving participants, academics and industry experts, students enhance their conceptual understanding of organisational change, and apply this emergent understanding to their workplace practices through the completion of a work-based change management project. This subject challenges students for higher management roles.

32562 Strategic Business Management

6cp; availability: Graduate Certificate, Graduate Diploma and Master of Business in IT Management students only; other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic approval from the ITMP program leader
Recommended studies: as required for admission to the IT Management program
Postgraduate

Focused on creating sustainable value, strategic management practice is fundamental to the survival and growth of an organisation. It is not only the core concern of the organisation's executive leadership team, but also requires coherent execution by all members of the organisation. This subject examines the theories and practices of strategic business management. It explores emerging theories and frameworks that interlink strategy, innovation and leadership to achieve sustainable competitive advantage and organisational growth in the face of continuous environmental change.

32563 IT Professional and Society

6cp
Postgraduate

This subject covers the body of ideas and commonly held principles that apply to professional standards and ethical behaviour in the information technology industry. The intent is to expose students to standards of professional behaviour and legal responsibility through case studies and current media-related articles featuring potential ethical and/or legal situations/dilemmas. It considers the history of information technology, the impact of information technology on society, the IT profession's codes of ethics and codes of conduct and the legal requirements pertaining to the information technology industry.

32567 Business Intelligence for Decision Support

6cp
Recommended studies: it is assumed that students are familiar with basic information system concepts and have basic software, database and mathematical skills
Postgraduate

Business intelligence is an umbrella term that combines architectures, tools, databases, analytical tools, applications and methodologies. The major objectives of business intelligence is to enable interactive access to data and to give business managers the ability to conduct analysis and make better decisions.

Decision support systems are computer-based information systems that combine models/methods and data in an attempt to solve semi/non-structured decision problems with extensive user involvement through a friendly user interface. Business high-level decisions are often semi/non-structured and require an increased level of intelligent and technical support, in particular, when they become rich in data. Decision support systems can be integrated with variable business intelligence techniques to support related decision problem solving.

This subject introduces business intelligence, decision support systems, group decision support, intelligent decision support, web-based support systems, decision optimisation technologies, personalised recommender systems. The subject also covers how to design, implement and integrate business intelligence techniques with methods to support business decision-making.

32568 Business Intelligence Modelling and Analysis

6cp
Recommended studies: it is assumed that students are familiar with basic system analysis concepts and have basic software, database and mathematics skills
Postgraduate

This subject introduces how multi-data sources are used in the development of strategic direction for businesses. It teaches students how to successfully utilise the information contained in such data and to appropriately extract intelligence from the data to support decision-making through conducting modelling and analysis. It also presents the required business intelligence tools and techniques including statistically based methodologies.

32569 Enterprise Business Requirements

6cp
Recommended studies: basic principles of software engineering and adequate knowledge of software development processes; elementary ability to conduct a critical review and analysis of scholarly research literature
Postgraduate

Requirements engineering (also known in industry as business requirements analysis or requirements management) is a multidisciplinary, human-centred and communication-rich activity of software and systems development. This subject first introduces the foundations of requirements engineering (RE). It then covers the range of advanced techniques, methods and tools that support all the activities that make up the requirements engineering process.

32570 Enterprise Software Architecture and Middleware

6cp
Postgraduate

This subject teaches enterprise software architecture in the context of enterprise architecture; its relationship to other architectures and organisational objectives. As far as possible, this subject deals with current problems being faced by organisations trying to align disparate software architectures to better support their organisational objectives.

This subject is intended for:

- senior and experienced software architects who must solve software architecture problems
- software architects planning a strategy to update and align legacy systems as well as old and new technology platforms with organisational objectives
- software architects who must identify and evaluate which of many competing projects contribute most to organisational objectives.

Typical availability

Spring semester, City campus

32571 Enterprise Software Testing

6cp; 10hpw blended learning, 2hpw classroom tutorial
Postgraduate

This subject teaches how to plan, specify, execute and manage testing of enterprise software systems. Students are introduced to a variety of strategies and situations that may require those strategies to ensure that the complex problem of testing large, complex enterprise software systems is accomplished in the best possible way given the circumstances. Case studies are used to illustrate many of the concepts. Class discussions and assignments exercise many of the skills taught.

This subject is intended for the senior and experienced software developer who must solve enterprise software testing problems.

32572 Reflective Practice in Information Technology

6cp
Requisite(s): 32144 Technology Research Preparation
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

In this subject students acquire understanding, knowledge and skills which develop and enhance their IT professionalism. Students are actively involved in choosing areas of study which are relevant to their own interests and professional future.

Links are made between the theory and practice of research, collaboration, reflection and self-directed learning. Students are introduced to a range of approaches used in IT research, with an

emphasis on those commonly used in professional contexts. Students engage in activities aimed at enhancing their understandings of key attributes of professional practice including a self-directed learning contract, professional report writing, researching, team presenting, peer assessment and a reflective portfolio.

32601 Advanced Project Management

6cp; availability: for Graduate Certificate, Graduate Diploma and Masters in IT Management students only. Other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic approval from the ITMP
Recommended studies: an understanding of how an IT department operates and familiarity with the management of IT within an organisation, i.e. a minimum of three years experience working in an IT department
Postgraduate

This subject covers advanced topics in project management with emphasis on contemporary issues in the delivery of IT solutions to the business. It considers human and organisational aspects of project management, the importance of project governance, the changing nature of project management and the role of the project manager in the global business environment.

32603 Systems Quality Management

6cp
Postgraduate

This subject provides students with the practical knowledge and skills necessary to manage the software development process required for developing quality software products. It also provides an essential understanding of software quality management and process improvement techniques and covers current areas of research in the software quality area.

32606 Database

6cp
Recommended studies: it is assumed that students are familiar with basic system analysis concepts and have basic software skills
Postgraduate

This subject introduces the basic database design and implementation concepts and presents database design techniques including relational design and E-R modelling. It discusses the implementation of relational database and describes database query techniques using the Structured Query Language (SQL).

32702 Contemporary Telecommunications

6cp; availability: Graduate Certificate, Graduate Diploma and Masters in IT Management and Internetworking program students only. Other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic
Recommended studies: open system interconnection (OSI) layers; basic understanding of networking and telecommunication concepts
Postgraduate

This subject explores management perspectives on contemporary telecommunications, data communications and networks. Topics covered include: network architecture and standards; new communications technologies; Internetworking; domestic and international communications environments; application-oriented services; network resource architectures; client/server systems; introduction to distributed processing; distributed databases; emerging technologies; and business and telecommunications planning.

32703 Information Technology Strategy

6cp; availability: for Graduate Certificate, Graduate Diploma and Masters in IT Management students only. Other students may undertake the subject if they have demonstrated relevant IT management experience and have signed academic approval from the ITMP
Recommended studies: prior experience or skills in IT/IS management or business information system development, service delivery and support
Postgraduate

IT strategy is a key concern for both IT managers and managers of other business functions within enterprises. Through a brief presentation of key issues, case studies and presentations of students' own experiences, this subject deals with the development, evaluation and impact of information systems in organisations; choices that, together, form part of IT and IS strategy.

32901 Recent Advances in Computer Systems

6cp
Postgraduate

This subject presents high-level material by internationally recognised specialists. Topics are chosen from combinatorial optimisation, computer-supported cooperative work, data mining and visualisation, e-commerce, high-performance and distributed computing applications, computer vision and image processing, interaction design and usability issues for mobile and web-based applications, networking, search and visualisation methodologies for the internet, virtual worlds and communities, web services and semantic web.

Typical availability

This subject is only offered in semesters when the faculty has a visiting academic in residence. Students interested in this subject are advised to consult with the Head of School of Computing and Communications.

32902 Recent Advances in Information Systems

6cp
Postgraduate

This subject discusses key issues in IS research, and showcases a number of recent research contributions. It considers the place of the information systems discipline in industry and research, and major IS research issues and directions. The featured research varies according to the interests of staff, particularly of visiting academics.

Typical availability

This subject is only offered in semesters when the faculty has a visiting academic in residence. Students interested in this subject are advised to consult with the Head of School of Systems, Management and Leadership.

32903 PhD Thesis: Analytics

0cp

For subject description, contact UTS: Information Technology.

32930 Management Research Methods

6cp; availability: Master of Business in IT Management students only
Requisite(s): 48 credit points of completed study in C04161 Master of Business in Information Technology Management
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject prepares students for research in organisations. The advantages and limitations of different research paradigms are examined as well as their applicability in different organisational contexts. Experience is provided in the design of research studies, in the analysis and interpretation of data, and in report presentation. Participants acquire skills that are useful in the conduct of research agendas in their own organisations and in the critical evaluation of others' research work.

32931 Technology Research Methods

6cp; availability: honours and postgraduate degree students
Requisite(s): 32144 Technology Research Preparation
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject familiarises participants with a range of approaches used in information technology research, with an emphasis on approaches commonly used in practical settings. The advantages and limitations of different research approaches are examined, as well as their applicability in different information technology contexts. Experience is provided in the design of research studies, in the analysis and interpretation of data, and in report presentation. Participants acquire skills that are useful in the conduct of research agendas in their own information technology organisations and in the critical evaluation of others' research work.

Typical availability

Spring semester, City campus

32932 Management Research Project

6cp; availability: master's level
Requisite(s): 32930c Information Technology Management Research Methods
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is the compulsory part of the final master's project. Participants practise the methods and techniques introduced in the prerequisite research methods subject by undertaking a literature review and producing a research proposal.

32933 Research Project

6cp
Requisite(s): 32144 Technology Research Preparation
There are also course requisites for this subject. See access conditions.
Postgraduate

Students undertake research that involves a substantial investigation under the supervision of a member of academic staff. Students apply the research methods and approaches, including a literature review and a formal research project. The subject is examined on the quality of a written report, oral presentation and management of the project work.

32934 Research Project

12cp
Requisite(s): 32931 Technology Research Methods
There are also course requisites for this subject. See access conditions.
Postgraduate

Students undertake research that involves a substantial investigation under the supervision of a member of academic staff. Students apply the research methods and approaches including a literature review and a formal research project. The subject is examined on the quality of a written report , oral presentation and management of the project work.

32986 PhD Thesis: Information Systems

0cp; availability: PhD students only
Postgraduate

Further information on this subject is available from the UTS: Information Technology research administration officer.

32989 Software Project

12cp
Postgraduate

Further information on this subject is available from the head of the School of Software.

Note(s)

This subject is not currently available to students for enrolment.

32990 IT Contracts and Outsourcing

6cp
Postgraduate

This subject deals with the management, social, legal and financial issues that arise when several parties are involved in the development of an information system. Situations considered are outsourcing, insourcing, development partnerships, support relationships and individual contracting. Students are provided with sufficient resources to plan for and evaluate their position as a client or vendor, and to assess where they need professional advice.

32995 People Management for IT

6cp
Postgraduate

This subject introduces theories of organisations such as businesses, government departments and voluntary associations. It deals with the behaviour of people in organisations, the structure of organisations and the relation between the two. While dealing with organisations in general, particular reference is made to studies and examples of the mutual influence of information systems and organisations.

32998 .NET Application Development

6cp
Requisite(s): 32555 Fundamentals of Software Development
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: a good understanding of programming constructs, O-O concepts and programming practices
Postgraduate

This subject introduces C#, Visual Studio and the .NET development environment. The emphasis is on examining the .NET framework and the practicalities of developing software in this setting using the C# language.

Typical availability

Spring semester, City campus

33116 Statistical Design and Analysis

6cp; 5hpw

This subject provides the theory and techniques needed in the design and analysis of experiments in the natural sciences. It covers descriptive statistics, measures of location and dispersion, commonly used discrete and continuous distributions and simple random sampling. Statistical tests, both parametric and distribution free, are presented for a variety of designs, including paired trials, completely randomised design, block designs and designs with interaction terms or covariates. The analysis of linear, multiple and polynomial regression models is also presented, together with appropriate diagnostic techniques to determine the validity of the models.

Typical availability

Autumn semester, City campus

33130 Mathematical Modelling 1

6cp
Recommended studies: 3-unit Mathematics

This subject develops the knowledge and skills necessary for problem-solving and mathematical modelling at an introductory level. Differential calculus is applied to model situations in science and engineering that involve oscillations. Integral calculus is used to solve selected problems involving first- and second-order differential equations, and to calculate areas, volumes, lengths and other physical quantities. Vectors and matrices are introduced and applied to problem solving and modelling.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/ZNYttDMzzDE
- Academic video: www.youtu.be/gJrzDuJEox0

33190 Mathematical Modelling for Science

6cp; 6hpw
Recommended studies: two units of HSC Mathematics

Topics covered in this subject include functions and their relationship to scientific experiments; differentiability; differential equations arising from scientific problems; solution by series; radioactive decay and exponential functions; oscillatory motion and trigonometric functions; integration; the logarithm function; inverse functions; inverse trigonometric functions; and solution of differential equations by integration and inverse functions. The computer algebra system Mathematica is used for symbolic, graphical and numerical computations.

Typical availability

Autumn semester, City campus

33230 Mathematical Modelling 2

6cp
Requisite(s): 33130 Mathematical Modelling 1 OR 33190 Mathematical Modelling for Science

This subject consists of two parts: multivariate calculus and an introduction to statistics. The mathematical part develops the mathematical skills required for mathematical modelling of systems involving more than one independent variable. The statistics part is an introduction to descriptive statistics, statistical inference and simple linear regression. Topics include linear algebra, solutions to sets of equations resulting from particular problems, eigenvectors and eigenvalues, partial derivatives, optimisation, multiple integrals and their applications, and probability with a focus on the determination of the reliability of a system of components in various engineering contexts.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

33290 Statistics and Mathematics for Science

6cp; 6hpw (Spring semester), 9hpw (Summer session in December), 6hpw (Summer session in January)
Requisite(s): 33190 Mathematical Modelling for Science OR 33130 Mathematical Modelling 1

This subject covers studies of simultaneous linear equations and their occurrence in scientific problems; methods for solving these equations using matrices and determinants; eigenvalues and eigenvectors; vectors in two and three dimensions; products of vectors; spatial geometry and coordinate systems; functions of several variables; partial derivatives; optimisation and method of least squares; probability with a focus on the determination of the reliability of a system of components in various engineering contexts; variance, skewness and kurtosis; and probability distributions, conditional probability and bi-variate probability.

The computer algebra system Mathematica is used throughout the subject as an aid to computation, graph plotting and visualisation.

Typical availability

Spring semester, City campus

Note(s)

This subject was formerly called Computing and Mathematics for Science.

33360 Mathematics for Physical Science

6cp; 4hpw
Requisite(s): 33290 Statistics and Mathematics for Science

Topics in this subject include a review of integration techniques; boundary value problems, separation of variables; Fourier series; heat and wave equations; Laplace's equation; the application of double and triple integrals to scientific problems; vector fields; line and surface integrals, and theorems of Gauss and Stokes.

Typical availability

Autumn semester, City campus

33874 PhD Thesis: Software Engineering

0cp; availability: PhD students only
Postgraduate

Further information on this subject is available from UTS: Information Technology.

33875 PhD Thesis: Computer Systems

0cp; availability: PhD students only
Postgraduate

Further information on this subject is available from UTS: Information Technology.

34776 Thesis (Mathematics)

0cp

The Master of Science in Mathematical Sciences (by research) is examined through presentation of a thesis. Further information is available from the course description (see page 541).

Typical availability

Autumn semester, City campus

Spring semester, City campus

34980 PhD Thesis: Mathematics

0cp

The Doctor of Philosophy is examined through presentation of a thesis. Further information is available from the course description (see page 528).

Typical availability

Autumn semester, City campus

Spring semester, City campus

35010 Foundation Mathematics

6cp; 6hpw

This subject aims to increase a student's chance of success at university by developing essential mathematical knowledge. It establishes essential knowledge and skills in the areas of algebra, functions, calculus and probability. Students are required to actively participate in their learning by oral presentations, group activities and individual work.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/NMkxU2nON2U
- Academic video: www.youtu.be/VAmPrKxQhvQ

35100 Introduction to Sample Surveys

6cp; 4hpw
Requisite(s): 35151 Introduction to Statistics OR 33116 Statistical Design and Analysis OR 26134 Business Statistics OR 33290 Statistics and Mathematics for Science OR 33230 Mathematical Modelling 2
These requisites may not apply to students in certain courses. See access conditions.

This subject provides students with basic quantitative research skills applicable in a variety of disciplines and work environments. It focuses on the use of the sample survey as a research tool, placing it in context as part of the range of research methods. The subject addresses aspects such as questionnaire design and wording, mode of survey administration and sampling method. Appropriate methods of statistical analysis are covered using the package SPSS, and emphasis is given to the skill of research report writing. Part of the assessment is the designing and carrying out of a small quantitative research project, and the many practical steps involved are placed within a project management framework.

Typical availability

Spring semester, City campus

35101 Introduction to Linear Dynamical Systems

6cp; 5hpw

Problems as diverse as analysing the effects of interest rates or ecological change involve the study of systems that evolve in various ways. This subject provides an introduction to the modelling of change through difference and differential equations and allows students to see something of the power of mathematics through the interplay between linear algebra and differential equations. Topics include systems of linear equations and their occurrence in everyday problems; methods for solving these equations using matrices and determinants; solution of differential equations by series; methods of integration; eigenvalues, eigenvectors, matrix exponentials and their use in the solution of systems of differential equations. The computer algebra system Mathematica is used for symbolic, graphical and numerical computations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

35102 Introduction to Analysis and Multivariable Calculus

6cp; 5hpw (Spring semester), 9hpw (Summer session)
Requisite(s): (35101 Introduction to Linear Dynamical Systems OR ((33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science)))

Many problems in business and science involve the study of systems with many interrelated (examples include the study of investment portfolios and the analysis of ecological systems). This subject introduces students to the principles of calculus for functions of several variables required in such applications, and to the theoretical foundations of mathematics that underpin them. Topics include vectors; products of vectors; equations of lines and planes; functions of several variables; partial derivatives and gradient; double integrals; sequences and their convergence; continuous and uniformly continuous functions; properties of continuous functions on a closed interval; differentiability; power series, tests for convergence and radius of convergence; Taylor and Maclaurin series; sequences and series of functions and Weierstrass M-test; upper and lower sums; and the Riemann integral.

Typical availability

Spring semester, City campus

Summer session, City campus

35111 Applications of Discrete Mathematics

6cp; 4hpw

This subject is designed to provide students with an appreciation of the practical benefits that result from the application of discrete mathematics to problems in areas such as data storage, digital communication and DNA sequencing. The subject places a strong emphasis on developing a clear understanding of the common features of problems from diverse areas, with students developing practical skills in problem solving through structured tutorial exercises. Topics are chosen to cover the mathematics underlying recording music on CDs, secret sharing schemes, Sudoku, group testing and Universal Product Codes.

Typical availability

Spring semester, City campus

35112 Mathematical Research Project A

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

35113 Mathematical Research Project B

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

35114 Mathematical Research Project

24cp

In this subject students undertake a semester-long research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning of the research work. This project is equivalent in level to those undertaken by honours and research master's students. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (10,000–20,000 words approx.) which includes an introduction, which sets the project in the context of the literature, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

35140 Introduction to Quantitative Management

6cp; 4hpw

This subject is an introduction to quantitative management methodology and modelling. A variety of problems from manufacturing, construction, supply chain management and finance are considered, together with approaches to the formulation of the corresponding mathematical models. Models include linear programs, nonlinear programs, integer programs, game theory, project management, and simulation. Solutions for the models are obtained using commercial decision support software including spreadsheet add-ins and mathematical programming modelling systems such as LINGO.

Typical availability

Autumn semester, City campus

Spring semester, City campus

35151 Introduction to Statistics

6cp; 5hpw

Statistics is the science of collecting, organising and interpreting data. These data may come from designed experiments, may be collected in a questionnaire or may be the result of market activity, but many of the statistical techniques are independent of the source of the data and some of them are introduced in this subject. After a general introduction, some of the common distributions and their usefulness in data summary are presented. Formal tests about the mean and variance are developed and then a number of standard techniques from regression, designed experiments and quality control are introduced.

Typical availability

Autumn semester, City campus

Spring semester, City campus

35212 Computational Linear Algebra

6cp; 4hpw
Requisite(s): 35101 Introduction to Linear Dynamical Systems OR 33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science OR 33401 Introductory Mathematical Methods
These requisites may not apply to students in certain courses. See access conditions.

In this subject, students develop familiarity with the theory of finite dimensional linear algebra, applications of this theory in areas such as statistical analysis and the solution of differential equations and some of the main computational techniques used in these applications. Topics include systems of linear equations (LU factorisation and iterative methods); vector spaces; inner product spaces; Gram-Schmidt orthogonalisation, QR decomposition; approximation theory: least squares and orthogonal polynomials; the eigenvalue problem; Singular value decomposition and applications.

Typical availability

Autumn semester, City campus

35231 Differential Equations

6cp; 4hpw
Requisite(s): ((35102 Introduction to Analysis and Multivariable Calculus OR 33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science OR 33401 Introductory Mathematical Methods) AND 35212 Computational Linear Algebra)
These requisites may not apply to students in certain courses. See access conditions.

Differential equations arise in contexts as diverse as the analysis and pricing of financial options, and the design of novel materials for telecommunications. In this subject students develop familiarity with the theory of differential equations, applications of this theory and some of the main computational techniques used in the solution of differential equations. Topics include existence and uniqueness of solutions; method of Frobenius; variation of parameters; the Taylor and Runge-Kutta methods for initial value problems; Fourier series; solving partial differential equations and boundary value problems by separation of variables, transform methods and finite difference methods.

Typical availability

Spring semester, City campus

35232 Advanced Calculus

6cp; 4hpw
Requisite(s): 35102 Introduction to Analysis and Multivariable Calculus OR 33230 Mathematical Modelling 2 OR 33360 Mathematics for Physical Science
These requisites may not apply to students in certain courses. See access conditions.

Transform methods such as the Laplace transform are useful in solving differential equations that arise in many areas of applications including signal analysis, mathematical finance and various queuing models in quantitative management. This subject highlights the areas of advanced calculus needed to justify the use of complex integration to invert the Laplace Transform when solving such problems. Topics include line integrals; Green's theorem; functions of a complex variable; analytic functions; Cauchy-Riemann equations; complex integrals; Cauchy's integral theorem; residues and poles; contour integration; and inversion of Laplace Transform.

Typical availability

Autumn semester, City campus

35241 Optimisation in Quantitative Management

6cp; 4hpw
Requisite(s): 35101 Introduction to Linear Dynamical Systems OR 33401 Introductory Mathematical Methods OR 33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science
These requisites may not apply to students in certain courses. See access conditions.

This subject introduces methods and ideas that form an indispensable part of commercial decision support systems in such diverse fields as supply chain management, financial analysis, transportation, production planning and scheduling. It introduces classical techniques for linear models in quantitative management and basic concepts of nonlinear optimisation. Topics covered include the simplex method, the two-phase simplex method, the revised simplex method, the dual simplex method, duality theory, sensitivity analysis, introduction to integer programming, and introduction to nonlinear programming.

Typical availability

Autumn semester, City campus

35252 Mathematical Statistics

6cp; 4hpw
Requisite(s): ((35102 Introduction to Analysis and Multivariable Calculus OR 33401 Introductory Mathematical Methods OR 33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science) AND 35353 Regression Analysis)
These requisites may not apply to students in certain courses. See access conditions.

Advanced statistical analysis in areas such as marketing, survey design and financial modelling requires insight into the mathematical foundations of statistics. This subject aims to develop such insight and introduces students to the concepts and terminology required in more advanced applications. Topics include probability, random variables and their probability distributions, limiting distributions, multivariate probability distributions, functions of random variables, estimators and their properties, hypotheses and their tests, and order statistics.

Typical availability

Autumn semester, City campus

35255 Forensic Statistics

6cp; 3hpw
Requisite(s): 35151 Introduction to Statistics OR 33116 Statistical Design and Analysis OR 33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science
These requisites may not apply to students in certain courses. See access conditions.

This subject covers the application of statistical techniques and probability models to forensic cases in the areas of uncertainty, significance and coincidence probabilities, discrimination in discrete and continuous data, relevant population grouping and the analysis of genetic profiles and lineages. The above is illustrated with reference to practical examples and databases of forensic evidence.

Typical availability

Autumn semester, City campus

35322 Advanced Analysis

6cp; 4hpw
Requisite(s): 35232 Advanced Calculus AND 35212 Computational Linear Algebra
These requisites may not apply to students in certain courses. See access conditions.

This subject introduces some of the most important and powerful mathematical tools developed over the last one hundred years. These are essential for the modern theory of probability and stochastic processes that underpin the pricing of derivative securities traded in international financial markets as well as the mathematical foundations of quantum physics. Topics include measure spaces; Lebesgue measure; borel sets and sigma algebra; Lebesgue integrals; product measures; probability as a measure; metric spaces; normed linear spaces; Banach spaces; Hilbert spaces; Lp spaces; applications to problems in probability and Fourier series.

Typical availability

Spring semester, City campus

35335 Mathematical Methods

6cp; 4hpw
Requisite(s): 35231c Differential Equations

This subject introduces students to the advanced techniques that are used to formulate and solve problems in the physical and biological sciences, as well as problems in finance and economics. Topics include: vector integral theorems; the Gamma function and other special functions; Bessel and Legendre equations with applications to boundary value problems; integral transform methods for solving boundary value problem.

Typical availability

Spring semester, City campus (odd years only)

35340 Quantitative Management Practice

6cp; 4hpw
Requisite(s): 35241 Optimisation in Quantitative Management
These requisites may not apply to students in certain courses. See access conditions.

This subject is concerned with practical aspects of quantitative management, and covers recent developments in various areas of application. Applications considered include personnel scheduling, supply chain management (including logistics and inventory control), production planning and control, transportation problems and financial applications. The subject involves various case studies and study of recent journal publication.

Typical availability

Autumn semester, City campus

35342 Nonlinear Methods in Quantitative Management

6cp; 4hpw
Requisite(s): 35241 Optimisation in Quantitative Management
These requisites may not apply to students in certain courses. See access conditions.

This subject presents a range of ideas and methods commonly used in solving various nonlinear optimisation problems in quantitative management and portfolio management. Methods presented include interior point methods for linear programming; Newton's and conjugate direction methods for unconstrained nonlinear programming; feasible direction methods, and penalty and barrier methods for constrained nonlinear programming; and an introduction to stochastic programming.

Typical availability

Spring semester, City campus

35344 Network and Combinatorial Optimisation

6cp; 4hpw
Requisite(s): 35241 Optimisation in Quantitative Management
These requisites may not apply to students in certain courses. See access conditions.

Network and combinatorial optimisation methods are among the main tools used in solving problems that arise in supply chain management, personnel planning and scheduling, production scheduling and choosing the best route for vehicles. This subject has three components: network models and solution methods; complexity theory; and an introduction to modern heuristic techniques for discrete optimisation. The network component includes the minimum cost network flow problem, the maximum flow problem and the shortest path problem. The subject introduces the concepts of local search and other heuristic techniques such as tabu search, genetic algorithms and simulated annealing.

Typical availability

Spring semester, City campus

Note(s)

This subject was formerly called Network Optimisation.

35353 Regression Analysis

6cp; 4hpw
Requisite(s): 35151 Introduction to Statistics OR 33116 Statistical Design and Analysis OR 33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science OR 26134 Business Statistics
These requisites may not apply to students in certain courses. See access conditions.

Regression analysis provides a way to model the relations among a set of quantitative variables. This subject focuses on the most common situation of one response variable and several explanatory variables, a situation encountered in many areas in science, engineering, medicine and business. Models for several explanatory variables are developed and tested, and ways for deciding which of a set of variables give the best model are developed. Other related models such as time series models are briefly considered.

Typical availability

Spring semester, City campus

35355 Quality Control

6cp; 4hpw
Requisite(s): 35353c Regression Analysis OR 35252 Mathematical Statistics
These requisites may not apply to students in certain courses. See access conditions.

This subject shows how to use statistical methods to improve the quality of manufactured goods and services. The topics covered include control charts, acceptance sampling plans, process capability and reliability measures. Applications to health and health-related quality of life are also discussed.

Typical availability

Spring semester, City campus (even years only)

Note(s)

This subject is replaced by 35393 Seminar Statistics in odd years.

35356 Design and Analysis of Experiments

6cp; 4hpw
Requisite(s): 35353c Regression Analysis
These requisites may not apply to students in certain courses. See access conditions.

Experiments are an important part of research in all areas including science, medicine, engineering and marketing. Many ideas on how to design a good experiment are independent of the area of application and this subject covers standard principles of good design applicable to all areas. It covers standard designs (completely randomised, randomised complete block, Latin squares and factorial designs) for testing hypotheses about treatment means, discusses how to design experiments to study variances, and discusses assumption checking and transformations. Designs for various special purpose applications such as longitudinal studies, crossover trials and analysis of covariance are also outlined.

Typical availability

Autumn semester, City campus

35361 Stochastic Processes

6cp; 4hpw
Requisite(s): 35252 Mathematical Statistics AND 35363 Stochastic Models
These requisites may not apply to students in certain courses. See access conditions.

This subject has applications across a very wide range of disciplines, from finance and economics, to physics and biology. It introduces the mathematics of random processes which are used to describe and predict the behaviour of complex systems. Topics include: Gaussian-Markov processes; Markov chains, birth-death processes; Compound Poisson processes, Levy processes, stable and Variance-Gamma processes; Time Series; Martingales and their application to ruin probabilities and financial modelling; Black-Scholes formula.

Typical availability

Spring semester, City campus

35363 Stochastic Models

6cp; 4hpw
Requisite(s): (35151 Introduction to Statistics OR 26134 Business Statistics) AND 35101 Introduction to Linear Dynamical Systems) OR ((33230 Mathematical Modelling 2 OR 33290 Statistics and Mathematics for Science)
These requisites may not apply to students in certain courses. See access conditions.

Stochastic models allow many situations involving uncertainty to be analysed. This subject provides students with the knowledge required to use such models successfully in practice. Students acquire experience in using state-of-the-art commercial software for simulation, Markov decision process methods and various queuing models. Topics covered include Markov chains, Poisson processes, the birth-and-death process, and non-birth-and-death queuing models. The simulation component of the subject includes: pseudorandom number generation and corresponding statistical tests; evaluation of integrals using Monte Carlo simulation; generation of continuous and discrete random variables, including inverse transform technique, convolution method, and acceptance-rejection technique.

Typical availability

Autumn semester, City campus

35364 Statistics for Quantitative Finance

6cp

This subject provides a foundation in probability and statistics, and introduces the basic concepts of stochastic processes and time series. Topics include random variables, expectations, law of large numbers, central limit theorem, estimation of parameters, testing hypothesis, linear regression, Gaussian and Markov stochastic processes, and basic time series analysis.

Typical availability

Autumn semester, City campus

35365 Stochastic Calculus in Finance

6cp

Requisite(s): 35364 Statistics for Quantitative Finance

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

The aim of this subject is to present and deepen the various mathematical concepts, techniques and intuition necessary for modern financial modelling, derivative pricing, portfolio optimisation and risk management. It provides the foundations for a sufficiently rigorous mathematical treatment of these topics. It also enables students to confidently apply the theory of stochastic processes and stochastic calculus.

Typical availability

Autumn semester, City campus

35366 Numerical Methods of Finance

6cp

Requisite(s): 25839 Mathematics of Finance

These requisites may not apply to students in certain courses. See access conditions.

This subject presents various numerical methods used in quantitative finance. It provides a rigorous understanding of advanced numerical, statistical and filtering methods. Emphasis is on simulation methods for solving stochastic differential equations and finite difference methods for partial differential equations.

Typical availability

Autumn semester, City campus

Note(s)

This subject was previously owned by the Faculty of Business.

35383 High Performance Computing

6cp; 4hpw

Requisite(s): ((31267 Programming Fundamentals OR 48023 Programming Fundamentals) AND 35212 Computational Linear Algebra)

Many quantitative problems, such as the pricing of exotic financial options or modelling large-scale ecological systems, cannot be solved analytically. Instead, computational solutions must be found, sometimes by methods that require high-performance parallel computers or grid computing techniques. This subject introduces students to the structure and characteristics of the major types of parallel computer systems and to methods for the design and implementation of parallel numerical codes in a modern scientific programming language. Topics include: the Fortran 95 language including arrays and array operations; procedures and interface blocks, modules, recursive procedures, pointers and dynamic data structures; practicalities of programming in a batch environment; debugging; checkpointing; the MPI library and MIMD programming in a distributed memory environment; OpenMP and shared memory MIMD programming with thread.

Typical availability

Autumn semester, City campus

35391 Seminar (Mathematics)

6cp; 4hpw

Requisite(s): 35231c Differential Equations

The subject involves group studies in mathematics. The topics vary from year to year and are chosen in accordance with the interests of students and staff, and the availability of staff.

Typical availability

Spring semester, City campus (even years only)

35393 Seminar (Statistics)

6cp; 4hpw

Requisite(s): 35353 Regression Analysis

These requisites may not apply to students in certain courses. See access conditions.

The subject involves group studies in statistics. The topics vary from year to year and are chosen in accordance with the interests of students and staff, and the availability of staff.

Typical availability

Spring semester, City campus (odd years only)

35457 Multivariate Statistics

6cp; 3hpw

This subject covers multivariate normal distribution, definition, moments, characteristic function, estimation of mean and covariance matrices, Wishart distribution, Hotelling's T2, multivariate linear regression, principal components, factor analysis and cluster analysis.

Typical availability

Autumn semester, City campus

35466 Advanced Stochastic Processes

6cp; 3hpw

This subject aims to introduce honours students to the mathematical theory and some financial applications of Brownian motion and related processes. It covers the following topics: formal definition of probability space and stochastic processes; Martingales; Riemann-Stieltjes integration; Brownian motion and related processes; stochastic calculus and stochastic differential equations; and financial applications.

Typical availability

Autumn semester, City campus

35472 Honours Seminar 1

6cp

This is one of four seminar subjects that allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the student's interests and staff availability. Recent topic areas include advanced design and analysis of experiments, advanced mathematical methods, boundary value problems, discrete optimisation, electromagnetic wave theory, finite difference methods, log-linear and nonlinear statistical models, nonlinear dynamical systems, optimal control, scheduling theory, and time series analysis.

Some honours subjects offered by the Australian Mathematical Science Institute via Access Grid Room are also available.

35473 Honours Seminar 2

6cp

This is one of four seminar subjects that allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the student's interests and staff availability. Recent topic areas include advanced design and analysis of experiments, advanced mathematical methods, boundary value problems, discrete optimisation, electromagnetic wave theory, finite difference methods, log-linear and nonlinear statistical models, nonlinear dynamical systems, optimal control, scheduling theory, and time series analysis.

Some honours subjects offered by the Australian Mathematical Science Institute via Access Grid Room are also available.

35474 Honours Seminar 3

6cp

This is one of four seminar subjects that allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the student's interests and staff availability. Recent topic areas include advanced design and analysis of experiments, advanced mathematical methods, boundary value problems, discrete optimisation, electromagnetic wave theory, finite difference methods, log-linear and nonlinear statistical models, nonlinear dynamical systems, optimal control, scheduling theory, and time series analysis.

Some honours subjects offered by the Australian Mathematical Science Institute via Access Grid Room are also available.

35475 Honours Seminar 4

6cp

This is one of four seminar subjects that allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the student's interests and staff availability. Recent topic areas include advanced design and analysis of experiments, advanced mathematical methods, boundary value problems, discrete optimisation, electromagnetic wave theory, finite difference methods, log-linear and nonlinear statistical models, nonlinear dynamical systems, optimal control, scheduling theory, and time series analysis.

Some honours subjects offered by the Australian Mathematical Science Institute via Access Grid Room are also available.

35476 Thesis: Mathematics and Finance (Hons) A

6cp; independent research under supervision

The honours thesis subjects require students to produce a thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner. The project on which the thesis is based is conducted over two semesters in two consecutive subjects of which this is the first. The subject 35477 Thesis: Mathematics and Finance (Hons) B is the second subject and the result in this subject is determined on completion of that subject.

35477 Thesis: Mathematics and Finance (Hons) B

6cp; independent research under supervision

This subject is a continuation of 35476 Thesis: Mathematics and Finance (Hons) A. The honours thesis subjects require students to produce a thesis based on an original problem of a theoretical or applied nature. The thesis is expected to demonstrate the student's competency to conceptualise, conduct and present research in a scholarly and independent manner.

35493 Thesis (Mathematics) Honours Part A

12cp

The thesis is an individually supervised subject with no formally scheduled classes. Regular meetings are arranged between the supervisor and student. Students are required to give oral presentations and/or seminars during the course of the subject. Students perform an independent investigation of an area of the mathematical sciences chosen in consultation with a supervisor who is appointed by the head of department. The subject is preparation for 35494 Thesis: Mathematics (Honours) Part B and results are only allocated on completion of that subject.

Typical availability

Autumn semester, City campus

35494 Thesis (Mathematics) Honours Part B

12cp

The thesis is an individually supervised subject with no formally scheduled classes. Regular meetings are arranged between the supervisor and student. Students are required to give oral presentations and/or seminars during the course of the subject. Students perform an independent investigation of an area of the mathematical sciences chosen in consultation with a supervisor who is appointed by the head of department.

Typical availability

Autumn semester, City campus

Spring semester, City campus

35502 Seminar A

6cp

This is one of four subjects which allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the area of specialisation of the lecturer/presenter/facilitator. Recent topic areas include: advanced design and analysis of experiments; advanced mathematical methods; boundary value problems; discrete optimisation; electromagnetic wave theory; finite difference methods; log-linear and nonlinear statistical models; nonlinear dynamical systems; optimal control; scheduling theory; and time series analysis.

35503 Seminar B

6cp

This is one of four subjects which allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the area of specialisation of the lecturer/presenter/facilitator. Recent topic areas include: advanced design and analysis of experiments; advanced mathematical methods; boundary value problems; discrete optimisation; electromagnetic wave theory; finite difference methods; log-linear and nonlinear statistical models; nonlinear dynamical systems; optimal control; scheduling theory; and time series analysis.

35504 Seminar C

6cp

This is one of four subjects which allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the area of specialisation of the lecturer/presenter/facilitator. Recent topic areas include: advanced design and analysis of experiments; advanced mathematical methods; boundary value problems; discrete optimisation; electromagnetic wave theory; finite difference methods; log-linear and nonlinear statistical models; nonlinear dynamical systems; optimal control; scheduling theory; and time series analysis.

35505 Seminar D

6cp

This is one of four subjects which allow students to engage in intensive study of an advanced topic in the mathematical sciences. The choice of topics is based on the area of specialisation of the lecturer/presenter/facilitator. Recent topic areas include: advanced design and analysis of experiments; advanced mathematical methods; boundary value problems; discrete optimisation; electromagnetic wave theory; finite difference methods; log-linear and nonlinear statistical models; nonlinear dynamical systems; optimal control; scheduling theory; and time series analysis.

35511 Fundamentals of Analysis and Multivariable Calculus

6cp

For further details, contact UTS: Science.

35512 Fundamentals of Linear Dynamical Systems

6cp

For further details, contact UTS: Science.

41001 Cloud Computing and Software as a Service

6cp

Requisite(s): 48440 Software Engineering Practice OR 31244 Applications Programming OR 31281 Systems Development Project OR 31061 Database Principles OR 48024 Applications Programming Undergraduate

This subject introduces students to cloud computing fundamentals, case studies and their applications for the development of software as a service in the cloud. Following a brief introduction to cloud computing, the cloud architecture, infrastructure as a service, platform as a service, software as a service (SaaS), virtualisation and multi-tenancy features are explained. The theoretical discussion of these topics is supplemented with practical introductory exercises for SaaS development in the cloud.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

41002 Professional Engineering Practice Preparation

6cp

For further details, contact UTS: Engineering.

41004 Analytics Capstone Project

6cp

Requisite(s): (31250 Introduction to Data Analytics AND (90 Credit Points in spk(s): C10148 Bachelor of Science in Information Technology OR 90 Credit Points in spk(s): C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice OR 90 Credit Points in spk(s): C10219 Bachelor of Business Bachelor of Science in Information Technology OR 90 Credit Points in spk(s): C10239 Bachelor of Science in Information Technology Bachelor of Arts in International Studies OR 90 Credit Points in spk(s): C10245 Bachelor of Science in Information Technology Bachelor of Laws))

Further information on this subject is available from UTS: Engineering and Information Technology.

41005 Cloud-based Enterprise Application Development

6cp

Requisite(s): 41001 Cloud Computing and Software as a Service

This subject builds on prior knowledge of cloud computing and aims to provide students with practical and relevant knowledge to develop enterprise applications using an available cloud platform. It enables students to develop an in-depth understanding of the two major paradigms for developing applications in the cloud, namely, declarative application development and programmatic application development. Students develop an understanding of the issues, such as governance limits, that are frequently encountered during cloud-based application development. It methodologically empowers students with the knowledge to make decisions on using an appropriate development paradigm, depending on the requirements or capabilities. It provides students with the relevant skills and knowledge to carry out analytics using an existing cloud platform.

41010 Energy and Water

6cp

Requisite(s): 87 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 87 Credit Points in spk(s): C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 87 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 87 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 87 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 87 Credit Points in spk(s): C10067 Bachelor of Engineering OR 87 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 87 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 87 Credit Points in spk(s): C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 87 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 87 Credit Points in spk(s): C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 87 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 87 Credit Points in spk(s): C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject introduces students to the key challenges facing the energy and water sectors and analytical modelling and framework to redress these challenges. Specific emphasis is placed in the subject on issues that arise at the interface of technology, economics and policy, in the context of energy and water industries.

41011 Environmental Chemical Processes

6cp

Requisite(s): 48860 Pollution Control and Waste Management

The subject covers the chemical processes behind environmental problems dealing with air, energy, climate change, toxic chemicals, water and other issues. Topics include the source, reactions, transport, effects, and fates of chemical materials in air, water and soil environments. It has an emphasis on training students to learn basic knowledge and skills of environmental engineering processes. This includes working individually and in small teams. The fundamental and practical investigations of environmental chemical processes are focused on laboratory skills. The subject combines both environmental chemical processes and practical lab-oriented engineering processes.

41012 Programming for Mechatronic Systems

6cp

Requisite(s): 48623 Mechatronics 2

The objectives of this subject are to introduce students to object-oriented programming and design using C++ and to describe and explain factors that contribute to design and implementation object-oriented applications of moderate complexity. This subject familiarises students with approaches to design and constructs classes that are re-usable, reliable and maintainable.

Topics include: objects, classes, abstraction, inheritance, polymorphism, run-time instantiation, threading, thread communication, event handling, error handling, use of generic features of C++ such as the STL and utilising APIs.

41013 Robotics

6cp

Requisite(s): 48623 Mechatronics 2

The objectives of this subject are to introduce students to the multidisciplinary field of robotics engineering in practice. It aims to familiarise students with the more traditional robotics topics such as motion planning, mobile mechanisms, kinematic and dynamic models, perception and control, and also more modern probabilistic techniques including machine learning for intelligent robots operating in the real world.

41014 Sensors and Control for Mechatronic Systems

6cp

Requisite(s): 48623 Mechatronics 2 AND 48660 Dynamics and Control

The objectives of this subject are to develop the student's theoretical and practical understanding on active and passive sensing and feedback control techniques, ability to select and evaluate sensors, process the sensor data, and apply computer-based tools for practical control system design using the sensory information. Topics include visual imaging and image processing, infrared imaging, time of flight (TOF) measurements, detection and tracking, state-space modelling of linear systems, stability, controllability and observabililty, linear quadratic control, observer design, H-infinity control, and model predictive control. Case studies of engineering applications are also covered.

41101 Fundamentals of Biomedical Engineering

6cp

Requisite(s): 48541 Signal Theory AND 48520 Electronics and Circuits AND 91400 Human Anatomy and Physiology

The objectives of this subject are to introduce students to the field of biomedical engineering and familiarise them with the many areas and applications of this multidisciplinary field. The subject covers basics of biomedical signals and systems, biomedical images, biomedical instrumentation, biomechatronics and bioinformatics. Topics include description of the different biomedical and physiological signals, sensors, data acquisition process, systems analysis, processing medical 2D images, medical motion models, biomedical instrumentation and molecular biology databases.

41105 Biomedical Signal and Image Processing

6cp

Requisite(s): 31256 Image Processing and Pattern Recognition AND 41101 Fundamentals of Biomedical Engineering

This subject covers the concept of signal and image processing related to biomedical signals and images along with methods of acquisition and classification. Basics of electro-cardiography, electro-encephalography, electro-myography and electro-retinography will be discussed along with discrete signal processing algorithms for analysis and monitoring. Measurement of amplitude and time intervals of ECG signals, QRS detection (different methods), ST segment analysis, removal of baseline and power line interferences, arrhythmia analysis etc will be included, along with algorithms for data reductions. The linear prediction and adaptive signal processing methods for analysis, detection and estimation of EEG and other neurological signals, sleep EEG, study of pattern of brain waves etc will be included. The EEG

signal analysis using spectral estimation, the maximum entropy method and AR method, moving average method, the ARMA methods and moving likelihood method will also be covered. Wavelet signal processing methods will be introduced. Image processing methods for image analysis, segmentation, classification and reconstruction will be discussed. All the concepts will be introduced using MATLAB simulations.

41889 Application Development in the iOS Environment

6cp; 1.5hpw (lecture), 1.5hpw (laboratory), UTSOnline Discussion Board
Requisite(s): 48023 Programming Fundamentals OR 31267 Programming Fundamentals
Recommended studies: students would benefit from completing other programming subjects, particularly 31251 Data Structures and Algorithms which introduces them to some C and pointers
Disciplinary Strand - Software Engineering
Undergraduate

This subject introduces students to Objective C, the Cocoa Framework and the iOS environment. The emphasis is on learning to develop software for this environment.

Typical availability

Spring semester, City campus

41890 Applying Network Security

6cp; 3hpw, on campus
Requisite(s): ((31252 Network Security OR 48730 Network Security) AND 31283 WANs and Virtual LANs)
Disciplinary Strand - Communication Technologies
Undergraduate

In the network security subject students learn about the theory underlying computer-security. This subject applies this theory to practice by using material based on the Cisco Network Security course. The emphasis is on network security appliances and networking infrastructure such as firewalls, access control, secure network design and Virtual Private Networks.

Typical availability

Spring semester, City campus

41891 Cloud Computing Infrastructure

6cp; 3hpw, on campus
Requisite(s): 31277 Routing and Internetworks OR 48740 Communications Networks
Recommended studies: 41001 Cloud Computing and Software as a Service; 41005 Cloud-based Enterprise Application Development; 31338 Network Servers (or equivalent Linux/Microsoft certification); 31246 Network Design

This subject introduces the concepts and implementation of cloud computing infrastructure, and complements the existing cloud computing subjects. Topics such as cloud architecture, virtualisation and storage technologies, and data centre fundamentals, as well as security and compliance in the cloud, are explored. This subject is heavily influenced by industry interaction, and includes hands-on labs and workshops using commonly found tools within the cloud infrastructure industry.

Typical availability

Spring semester, City campus

41900 Fundamentals of Security

6cp; 3hpw, on campus
Requisite(s): 31268 Web Systems OR 48410 Introduction to ICT Engineering OR 31270 Networking Essentials OR 48720 Network Fundamentals OR 48721 Strategic e-Business Technologies
Recommended studies: Foundation Mathematics or equivalent
ICT Engineering program

Security is a major issue for enterprises, with breaches leaving them vulnerable to legal sanctions, financial loss or reduced customer confidence. This subject introduces students to modern security issues and technologies by considering various aspects, from security principles and policies, to network and system security, as well as intrusion detection and cyber security.

42001 Bioinformatics

6cp
Requisite(s): (31005 Advanced Data Analytics AND 41101 Fundamentals of Biomedical Engineering AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business))
These requisites may not apply to students in certain courses. See access conditions.

This subject covers four main topics related to genomic sequence data, gene expression profiling, structural bioinformatics and network biology. Students learn to download freely-available genomic sequence data such as DNA sequences, RNA sequences, and protein sequences and learn to conduct sequence data analysis for motif discovery by using BLAST-based methods and algorithms. Students learn to understand gene expression principles and databases and learn to conduct data analysis for disease diagnosis and prognosis by using data mining and machine learning algorithms. Students are also taught to understand molecular structures of proteins and protein complexes and make use of data for binding site detection. Further, students learn to use graph models to detect functional modules from various biological networks such as protein-protein interactions, residue-residue networks, and genotype-phenotype associations.

42002 Enterprise Application Development Using Cloud Platforms

6cp
Requisite(s): 42904 Cloud Computing and Software as a Service

This subject builds on prior knowledge of cloud computing and aims to provide students with practical and relevant knowledge to develop enterprise applications using an available cloud platform. It enables students to develop an in-depth understanding of the two major paradigms for developing applications in the cloud, namely, declarative application development and programmatic application development. Students develop an understanding of the issues, such as governance limits, that are frequently encountered during cloud-based application development. It methodologically empowers students with the knowledge to make decisions on using an appropriate development paradigm, depending on the requirements or capabilities. It provides students with the relevant skills and knowledge to carry out analytics using an existing cloud platform.

42889 iOS Application Development

6cp
Requisite(s): 48023 Programming Fundamentals OR 32555 Fundamentals of Software Development

This subject introduces students to Objective C, the Cocoa Framework and the iOS environment. The emphasis is on learning to develop software for this environment.

Typical availability

Spring semester, City campus

42890 4G Mobile Technologies

6cp; 3hpw, on campus
Requisite(s): (48750 Network Planning and Management AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Recommended studies: 49048 Wireless Networking Technologies, or equivalent
Postgraduate coursework

This subject provides an introduction to LTE networks as well as details of the architecture including quality of service, voice and data services. It also provides a solid grounding in the LTE air interface structure and mechanisms. Students can also undertake a globally recognised industry certification - Alcatel Lucent Certified Network Associate in LTE Networks - by undertaking an additional external examination. The subject is vendor agnostic and is based on LTE standards.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

42891 Infrastructure for Cloud Computing

6cp; 3hpw, on campus
Requisite(s): 32524 LANS and Routing OR 48740 Communications Networks
Recommended studies: 42904 Cloud Computing and Software as a Service; 32520 UNIX Systems Administration (or equivalent Linux/Microsoft certification); 32527 Internetwork Design

This subject introduces the concepts and implementation of cloud computing infrastructure, and complements the existing cloud computing subjects. Topics such as cloud architecture, virtualisation and storage technologies, and data centre fundamentals, as well as security and compliance in the cloud, are explored. This subject is heavily influenced by industry interaction, and includes hands-on labs and workshops using commonly found tools within the cloud infrastructure industry.

Typical availability

Spring semester, City campus

42900 Sustainability and Information Systems

6cp; 3hpw (1.5hr lecture and 1.5hr tutorial)
Elective
Postgraduate

This subject explores the arising and complex challenges effecting organisational sustainability in the 21st century. Sustainability here is viewed from multidimensional perspectives to encompass environmental, technological, social, and economic sustainability of contemporary organisations and their operations. To achieve sustainability objectives, collaboration among a wide range of stakeholders, often mediated through the use of information technologies and collaborative media, is essential. This however poses significant and often existential challenges to many organisations attempting to apply traditional, structured, and short-term approaches in their operations, as well as considerable opportunities for innovative, collaborative, technology savvy, and long-term focused organisations.

Consequently, the subject invites students to proactively and innovatively reflect on these issues and their effect on organisational leadership and management. In such reflection, students are encouraged to consider various real and hypothetical case-based scenarios, where they identify and evaluate challenges to sustainability, and recommend informed, innovative, collaborative, and rigorously supported arguments and policy initiatives.

Typical availability

Spring semester, City campus

42901 Object-Relational Databases

6cp; 3hpw
Requisite(s): 32606 Database
Recommended studies: practical experience with database design and implementation
Elective
Postgraduate

This subject introduces students to advanced post-relational database topics including cloud databases, management of XML data and management of complex data objects. Following a brief review of relational databases and object-oriented principles, the SQL: 2003 object-relational model and language features are described in detail. The theoretical discussion of these topics is supported with practical hands-on exercises using the Oracle11g database management system.

Typical availability

Spring semester, City campus

42902 Interior Routing and High Availability

6cp; block, attendance at laboratory sessions is compulsory
Requisite(s): (49202 Communication Protocols AND (in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR in spk(s): C10066 Bachelor of Engineering Science OR in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Students examine the intricacies of standards-based routing protocols, such as open shortest path first (OSPF) and intermediate system-to-intermediate system (IS-IS). Students then analyse and compare these routing protocols, highlighting their valuable insights into the design decisions necessary for the successful implementation of these protocols in large-scale, service-oriented networking infrastructures for mobile, managed communication and triple play networks.

This subject is based on the Alcatel-Lucent course 3FL30633AAAAZZZZA which forms part of the service router certification program. Additional material has been added by UTS for further clarification and deepening of understanding.

Typical availability

May session, City campus

42903 Multi Protocol Label Switching

6cp; block
Requisite(s): (49202 Communication Protocols AND (in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR in spk(s): C10066 Bachelor of Engineering Science OR in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject teaches students about multiprotocol label switching (MPLS) concepts, terminology, signalling protocols, design considerations such as resiliency, and the implementation, monitoring and basic troubleshooting of an MPLS network. On successful completion, students are able to demonstrate a good understanding of MPLS and the establishment of label switched paths (LSPs) using either label distribution protocol (LDP) or resource reservation protocol (RSVP) and resource reservation protocol with traffic engineering (RSVP-TE).

This subject is based on the Alcatel-Lucent course 3FL30635AAAAZZZZA which forms part of the service router certification program. Additional material has been added by UTS for further clarification and deepening of understanding.

Typical availability

October session, City campus

42904 Cloud Computing and Software as a Service

6cp
Postgraduate

This subject introduces students to cloud computing fundamentals, case studies and their applications for the development of software as a service in the cloud. Following a brief introduction to cloud computing, the cloud architecture, infrastructure as a service, platform as a service, software as a service (SaaS), virtualisation and multi-tenancy features are explained. The theoretical discussion of these topics is supplemented with practical introductory exercises for SaaS development in the cloud.

42905 Marketing Technology

6cp; 3hpw; availability: offered only to students enrolled in Graduate Certificate in Information Technology Management (C11138), Graduate Certificate in Strategic IT Leadership (C11190), Graduate Diploma in Information Technology Management (C06060) and Master of Business in Information Technology Management (C04161)
Elective
Postgraduate

This subject gives non-marketers, especially managers with a technical background, a new way of thinking about customers and their organisation. In this respect, it treats marketing as the process of accessing new customers and understanding their needs, thereby creating value for the organisation. This subject covers the fundamentals of marketing with special emphasis upon the marketing of technology and the way technology is changing the practice of marketing. The subject also challenges students to critically analyse the field of marketing's contribution to environmental sustainability and social change. After introducing essential marketing concepts, the subject relates these to technology industries, focusing on the way innovation in technology is changing marketing practice. Throughout the subject, participants are challenged to consider the wider socioeconomic and environmental impacts and challenges facing contemporary marketing practices.

Typical availability

Spring semester, City campus

42990 Organisational Design for the Knowledge Era

6cp; 3hpw, on campus

Institutions are under increasing pressure to adapt to 21st century technological and socioeconomic forces. Successful leaders need appropriate frames of reference and new practices to manage these revolutionary forces. The execution of these practices, however, depends on the structural form of the organisation. This subject addresses the design aspects of the effective organisation of the 21st century by exploring the concept of 'enterprise logic' and how a particular form of logic has underpinned the dominance of certain institutional forms during different eras. Furthermore, the subject explores how the 21st century organisation's strategic imperatives necessitate the development of a new set of key capabilities which, in turn, depend upon new structural forms for their effective execution. Analysing the implications of structural form for governance, leadership and work practices in a knowledge economy where stakeholders (especially customers and staff) have new needs – needs that require an alternative enterprise logic to that which has dominated the functional-hierarchical organisations for more than 100 years – the subject offers a variety of alternative designs for the organisation of the future.

42991 Advanced Water and Wastewater Treatment

6cp; 3hpw, on campus
Requisite(s): 120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Environmental Engineering
Postgraduate

The use of conventional water and wastewater treatment processes becomes increasingly challenged with the identification of emerging pollutants, swift growth of population and industrial activities, and lessening availability of water resources. This subject focuses on training students to learn how to design an advanced water and wastewater treatment process using membrane technology based on fundamental principles to real applications and process design parameters. A practical computer-based design tool is demonstrated to aid in the design of a membrane-based treatment process. The subject brings both science (chemistry, physics and biology) and engineering together on a number of levels, such as in terms of learning from nature, applying engineering and design solutions.

Typical availability

Autumn semester, City campus

48001 Project BEngSc

6cp; weekly
Requisite(s): (96 credit points in C10066 Bachelor of Engineering Science OR 96 credit points in C10077 Bachelor of Engineering Science in Engineering Innovation)) AND (48250c Engineering Economics and Finance OR (22107c Accounting for Business Decisions A AND 25311c Financial Management for New Enterprises)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This project subject provides students with the opportunity to consolidate their prior learning in an open-ended, multidisciplinary engineering project. Students work as part of a team that integrates most aspects of a full engineering design cycle, and contemporary engineering project management methodologies.

They are expected to develop client requirements through consultative processes, and to develop engineering specifications appropriate to the various stages in the project cycle. They assess alternative solutions and develop preferred options. Students gain experience in defining and articulating needs and evaluating engineering responses.

They produce a comprehensive report documenting the engineering process and project outcomes, and are also required to present aspects of the project through a variety of communication media, including online and face-to-face modes.

Typical availability

Autumn semester, City campus

48006 Capstone Project

6cp
Requisite(s): (48260 Engineering Project Management OR 16912 Site Management) AND (48142 Engineering Practice Review 2 OR 144 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 144 credit points in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 144 credit points in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 144 credit points in C10065 Bachelor of Engineering Bachelor of Business OR 144 credit points in C10067 Bachelor of Engineering OR 144 credit points in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 credit points in C10073 Bachelor of Engineering Bachelor of Science OR 144 credit points in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 144 credit points in C10075 Bachelor of Engineering Bachelor of Medical Science OR 144 credit points in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 144 credit points in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 144 credit points in C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice OR 144 credit points in C10080 Bachelor of Engineering in Civil Engineering OR 144 credit points in C10084 Bachelor of Engineering in Electrical Engineering OR 144 credit points in C10085 Bachelor of Engineering in Computer Systems Engineering OR 144 credit points in C10086 Bachelor of Engineering in Telecommunications Engineering OR 144 credit points in C10087 Bachelor of Engineering in Mechanical Engineering OR 144 credit points in C10088 Bachelor of Engineering in Manufacturing Engineering OR 144 credit points in C10091 Bachelor of Engineering in Manufacturing Systems Engineering)
Undergraduate

Objectives of the Capstone Project are: to bring together and integrate knowledge and skills gained in the course as a whole, including engineering principles, planning and design, ethics, management, and communication, and to apply these to an initially unstructured problem formulated by each student in consultation with an adviser; to reinforce and develop competencies that have not been sufficiently emphasised in the student's choice of subjects or engineering practice to date; to define a substantial engineering study or design task, place it in context, and carry it to completion within a specified time and to a professional standard; to complete a comprehensive written and bound report that places the project in context, defines its objectives,

and describes the work done and the resulting conclusions or recommendations; to provide a bridge to the student's professional future, and the opportunity to demonstrate professional competencies and capabilities; and to provide scope to demonstrate initiative and creativity, and take pride in achievement.

Each student is required to undertake a substantial engineering project, normally during their final year of study, and to prepare a formal report describing the work performed and the resulting conclusions and recommendations. The work is planned and carried out under the supervision of a member of academic staff. Both the work and the report must meet professional engineering standards. The project may be in any area of engineering. Students may choose a topic relating to their experience in engineering practice, or an area of interest which they wish to study in detail. Typical projects might take any of the following forms: literature review - a study of the available literature and a state-of-the-art appraisal of an area of engineering; design - the complete design of a substantial engineering artefact or system; experimental investigation - a comprehensive laboratory investigation or testing program; research and development - original research of a fundamental or applied nature, or development of a new application of a particular technology; computer-based analysis - development or use of computer software to study the behaviour of an engineering solution; project management - planning and management of a substantial engineering project, normally in a workplace, business or community context; combining technical and management skills; impact analysis, planning, system design - study and analysis of an engineering solution in its economic, social and environmental context, integrating the engineering dimension with cross-disciplinary interfaces, and optimising overall system design, normally interactive with other professions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48012 Capstone Project

12cp

Requisite(s): (48142 Engineering Practice Review 2 OR 144 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 144 credit points of completed study in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 144 credit points of completed study in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 144 credit points of completed study in C10065 Bachelor of Engineering Bachelor of Business OR 144 credit points of completed study in C10067 Bachelor of Engineering OR 144 credit points of completed study in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 credit points of completed study in C10073 Bachelor of Engineering Bachelor of Science OR 144 credit points of completed study in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 144 credit points of completed study in C10075 Bachelor of Engineering Bachelor of Medical Science OR 144 credit points of completed study in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 144 credit points of completed study in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 144 credit points of completed study in C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice OR 144 credit points of completed study in C10080 Bachelor of Engineering in Civil Engineering OR 144 credit points of completed study in C10084 Bachelor of Engineering in Electrical Engineering OR 144 credit points of completed study in C10085 Bachelor of Engineering in Computer Systems Engineering OR 144 credit points of completed study in C10086 Bachelor of Engineering in Telecommunications Engineering OR 144 credit points of completed study in C10087 Bachelor of Engineering in Mechanical Engineering OR 144 credit points of completed study in C10088 Bachelor of Engineering in Manufacturing Engineering OR 144 credit points of completed study in C10091 Bachelor of Engineering in Manufacturing Systems Engineering) AND (48260 Engineering Project Management OR 16912 Construction Management 1 Site Management)

Undergraduate

Refer to the subject description for 48006 Capstone Project. The difference between the 6-credit-point version 48006 Capstone Project and the 12-credit-point versions of the Capstone Project is that a student is expected to invest at least 150 hours in the former and 300 hours in the latter.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48016 Capstone Project Part A

6cp

Requisite(s): (48260 Engineering Project Management OR 16912 Construction Management 1 Site Management) AND (48142c Engineering Practice Review 2 OR 144 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 144 credit points of completed study in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 144 credit points of completed study in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 144 credit points of completed study in C10065 Bachelor of Engineering Bachelor of Business OR 144 credit points of completed study in C10067 Bachelor of Engineering OR 144 credit points of completed study in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 credit points of completed study in C10073 Bachelor of Engineering Bachelor of Science OR 144 credit points of completed study in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 144 credit points of completed study in C10075 Bachelor of Engineering Bachelor of Medical Science OR 144 credit points of completed study in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 144 credit points of completed study in C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice OR 144 credit points of completed study in C10080 Bachelor of Engineering in Civil Engineering OR 144 credit points of completed study in C10084 Bachelor of Engineering in Electrical Engineering OR 144 credit points of completed study in C10085 Bachelor of Engineering in Computer Systems Engineering OR 144 credit points of completed study in C10086 Bachelor of Engineering in Telecommunications Engineering OR 144 credit points of completed study in C10087 Bachelor of Engineering in Mechanical Engineering OR 144 credit points of completed study in C10088 Bachelor of Engineering in Manufacturing Engineering OR 144 credit points of completed study in C10091 Bachelor of Engineering in Manufacturing Systems Engineering OR 144 credit points of completed study in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice)

Undergraduate

Refer to the subject description for 48006 Capstone Project (6cp) and 48012 Capstone Project (12cp). This subject is intended for students who wish to undertake a 12cp Capstone Project over two semesters. Such students enrol in this subject (48016) in the first semester and 48026 Capstone Project - Part B in the second semester.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48023 Programming Fundamentals

6cp

Undergraduate

This subject provides basic skills in Java programming and software design, with no assumed knowledge of programming. It covers the topics of object-oriented (OO) programming concepts, data flow, control flow, arrays, and the basics of sorting and searching algorithms. The subject teaches and illustrates a design process using a set of design notations and design rules, and shows how to develop a correct, readable and reusable solution from a problem specification.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48024 Applications Programming

6cp
Requisite(s): 48023 Programming Fundamentals OR 31267 Programming Fundamentals OR 31465 Object-oriented Programming
Recommended studies: basic skills in Java programming
Undergraduate

This subject teaches students how to design, develop and evaluate software systems to meet predefined quality characteristics of functionality (suitability) and usability (understandability, learnability, operability, compliance). Software solutions are implemented using Java. Concepts, theories and technologies underlying the methods and techniques are introduced and explained as required. Students apply all that they have learned to develop and implement the architecture of a business system.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48026 Capstone Project Part B

6cp
Requisite(s): 48016 Capstone Project Part A
Undergraduate

Refer to the subject description for 48006 Capstone Project. This subject is intended for students who wish to undertake a 12-credit-point Capstone Project over two semesters. Students enrol in 48016 Capstone Project Part A in the first semester and this subject in the second.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48027 Language and Contexts of Australian Engineering

6cp; availability: the Faculty may require students who are identified as needing additional English language preparation to undertake a preparatory English language course. Enrolment is by permission of the Subject Coordinator or nominee

This subject focuses on providing an overview and appreciation of the range of topics relevant to engineering study, and academic strategies for interpreting, planning, organising, researching and presenting written and oral assignments. The subject provides an introduction to the cultural and linguistic factors that affect the academic study of engineering in Australia. It aims to facilitate students' effective participation in university life and provide a foundation for further academic studies. It addresses the cultural and social knowledge and the literacy and oral skills required in critical reading, report writing, tutorial participation, listening, note taking and other aspects relevant to student participation in the study of engineering at UTS.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48033 Wireless Sensor Networks: Technology and Applications

6cp
Requisite(s): (31267 Programming Fundamentals OR 31465 Object-oriented Programming OR 31508 Programming Fundamentals OR 31488 Programming Foundations OR 48023 Programming Fundamentals)) OR ((31270 Networking Essentials OR 31467 Networking 1 OR 31516 Networking Fundamentals OR 31486 Data Communications OR 48720 Network Fundamentals OR 48740 Communications Networks)

Wireless sensor networks are distributed systems, in which autonomous devices, sometimes called Motes, collect environmental data (such as location, speed, temperature, humidity and sound level) or, more recently, medical data (such as heart rate, blood oxygen level and pulse rate). The data is collected across the network, aggregated and fed into business applications. Sensor networks are an enabler for very different applications, including environmental monitoring, agricultural monitoring, medical monitoring, habitat monitoring and military surveillance.

48071 Engineering Analytical Modelling

6cp
Undergraduate

This subject builds on students' knowledge of mathematics from the TAFE and polytechnic Diploma. It assumes a knowledge of introductory calculus. It provides students with an understanding and use of numerical methods in the engineering environment. It lays the foundations to enable students to confidently use numerical techniques in subsequent subjects and the work environment.

Topics include: applications of sequences and series; linear algebra; matrices, vectors and determinants; applications of matrices and vectors; vector algebra in 2-space and 3-space; introduction to vector calculus and applications; curve fitting using least squares methods for polynomials, log-linear and log-log relationships; engineering applications of differential equations (first and second order); numerical methods in linear algebra and in the solution of differential equations; graph theory and optimisation; use of the Simplex method; introduction to combinatorial optimisation; probability and statistics including probability theory, permutations and combinations, probability distributions, binomial, Poisson and normal distributions; sampling, confidence intervals and hypothesis testing.

Typical availability

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48080 Introduction to Innovation

6cp

This subject aims to provide students with an overview of innovation in engineering and technology. Students develop an awareness of the processes of innovation and commercialisation and an understanding of technology life cycles and technological change. Technology management skills are developed through a focus on the scientific concepts, development processes as well as commercial applications for selected technologies. Case studies are used to investigate particular applications, their underlying scientific basis, and the relevant aspects of the commercialisation process from a science and engineering perspective. External speakers with direct experience in the innovation process contribute to this subject.

Typical availability

Spring semester, City campus

48081 Innovation Processes

6cp
Requisite(s): (48080 Introduction to Innovation OR (48240 Design and Innovation Fundamentals AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering)))

Successful technological innovation - the development and application of new technologies and ideas - is essential for maintaining and improving quality of life. Technological innovation is the primary driver of economic growth in developed nations. In addition, new technologies have the potential to address many of the world's problems such as hunger, disease, and energy and environmental challenges. However, processes for innovation are complex and successful technological innovation requires a systems-level multidisciplinary approach. Innovation processes must consider needs, priorities for funding, standards and policies, risks, skills and capabilities, technology development trends and likely future scenarios to inform decisions related to engineering projects and scientific research. This subject develops students' ability to apply a multidisciplinary perspective to manage technological innovation. It is the final engineering innovation subject for the Innovation

Engineering major and is available as an elective to late-stage engineering students. The subject brings together the main innovation themes and introduces new technology management methods and tools. Students gain experience with engineering innovation processes through class activities, assignments and an individually designed innovation project or research task.

Typical availability

Spring semester, City campus

48100 Professional Practice (BE)

0cp; availability: Bachelor of Engineering Bachelor of Arts in International Studies, Bachelor of Engineering Bachelor of Business, Bachelor of Engineering, Bachelor of Engineering Bachelor of Science, Bachelor of Engineering Bachelor of Medical Science, Bachelor of Engineering Bachelor of Biotechnology
Requisite(s): 126 credit points of completed study in C10067 Bachelor of Engineering OR 126 credit points of completed study in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 126 credit points of completed study in C10065 Bachelor of Engineering Bachelor of Business OR 126 credit points of completed study in C10073 Bachelor of Engineering Bachelor of Science OR 126 credit points of completed study in C10075 Bachelor of Engineering Bachelor of Medical Science OR 126 credit points of completed study in C10078 Bachelor of Engineering Bachelor of Biotechnology

Engineers Australia requires that all students graduating from accredited professional engineering courses have a minimum of 12 weeks (or equivalent) of professional practice. This subject assesses students' claims to meeting this requirement. It involves the writing of a report demonstrating learning outcomes and reflecting on experience as well as a seminar presentation to share experiences with other students and learn from them. The assessment tasks and the subject are assessed as pass/fail.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48110 Engineering Experience 1

0cp; availability: This subject is only available to students admitted in professional engineering courses which include the Diploma in Engineering Practice
Requisite(s): 48121 Engineering Practice Preview 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Engineering educators, as well as engineering employers, have long recognised the value of integrating practical experience with academic studies. Each student's experience is unique. Employer or host organisations are not expected to provide formal training although some may choose to do so. Students are instead required to become active learners and seek opportunities to fulfil the objectives of this experience module. It is expected that students gain this level of experience early in their academic program.

This is a 0-credit-point subject that supports students while they are working in industry or the community for the purpose of gaining experience in the practice of engineering. It provides students with the opportunity to discover engineering workplace culture and to develop their basic technical skills. One semester prior to undertaking the experience in this subject, students must enrol in 48121 Engineering Practice Preview 1. Students are assisted in this process through engineering core and fields-of-practice subjects and specifically through the Engineering Practice Review subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48120 Review of Engineering Practice 1

6cp
Engineering Practice
Undergraduate

This subject has been introduced for the purpose of assisting students who commenced before 1998 in the Bachelor of Engineering course and wish to transfer to the BE DipEngPrac. It is a substitute for the first internships and the associated preview and review subjects. Students who have completed 44 weeks of industrial experience under the old course can apply for an exemption in this subject as a means of simplifying the transfer to the BE DipEngPrac. This subject is also relevant for new students starting the engineering degree at UTS with significant work experience. These students may apply for an exemption. By completing this subject, students accelerate their progress in the DipEngPrac.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48121 Engineering Practice Preview 1

3cp
Requisite(s): (48230c Engineering Communication AND (1 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 1 credit points of completed study in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 1 credit points of completed study in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 1 credit points of completed study in C10065 Bachelor of Engineering Bachelor of Business OR 1 credit points of completed study in C10067 Bachelor of Engineering OR 1 credit points of completed study in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 1 credit points of completed study in C10073 Bachelor of Engineering Bachelor of Science OR 1 credit points of completed study in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 1 credit points of completed study in C10075 Bachelor of Engineering Bachelor of Medical Science OR 1 credit points of completed study in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 1 credit points of completed study in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 1 credit points of completed study in C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice))
Engineering Practice
Undergraduate

This subject helps initiate students to the engineering workplace by guiding them through the employment process; developing the communication and documentation skills appropriate to engineering practice; showing them how to learn through experience; exploring the nature and culture of the workplace; introducing ethical and social issues; and helping them to plan for their own personal and professional development. Students negotiate their learning options from a range of compulsory and optional topics including ethics and social responsibility; industrial relations; workplace, health and safety; and the culture of engineering. Some tasks include preparing a personal résumé, job application letters, employment interviewing, learning style assessment, ethics case study, and industrial relations case study.

Assessment is essentially formative to assist students in achieving an acceptable level. However, students are not able to undertake the engineering experience first internship until they have passed all the compulsory components of this subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48122 Engineering Practice Review 1

3cp
Requisite(s): 48110 Engineering Experience 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Engineering Practice
Undergraduate

Engineering Practice Review 1 guides students through a process of thoughtful reflection and review of their engineering practice. Workplace issues are examined and students are assisted in developing appropriate professional strategies. Students identify the technical and professional advancement that has occurred as a consequence of their experience, and integrate these new ideas with their existing knowledge frameworks. This learning is documented for peer and professional review.

Since each student's work experience is unique, all students benefit from sharing and discussing their experiences. However, this subject assists all students to receive a firm grounding in the fundamentals of engineering workplace practice, including the nature and culture of the engineering workplace, the employment process, ethics and social responsibility, communication and documentation, the application of engineering method, occupational health and safety, industrial relations, and personal and professional development.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48130 Engineering Experience 2

0cp; availability: This subject is only available to students admitted in professional engineering courses which include the Diploma in Engineering Practice
Requisite(s): 48141 Engineering Practice Preview 2 AND 129 credit points of completed study in Completion of 129 credit points
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This is a 0-credit-point subject that supports students while they are working in industry or the community for the purpose of gaining experience in the practice of engineering. It expects that students are advanced in their academic studies and working closely with engineering professionals in order to extend their understanding of the practice of professional engineering and to apply, test and further develop their technical skills. One semester prior to undertaking the experience, students must enrol in 48141 Engineering Practice Preview 2.

Each student's experience is unique. Employer or host organisations are not expected to provide formal training although some may choose to do so. Instead students are required to become active learners and seek opportunities to fulfil the objectives of this experience module. Students are assisted in this process through engineering core and fields of practice subjects and specificially through the associated Engineering Practice Review subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48140 Review of Engineering Practice 2

6cp
Engineering Practice
Undergraduate

This is a transition subject that has been introduced for the purpose of assisting students who commenced before 1998 in the BE course and who have transferred to the BE DipEngPrac. It is used with the permission of the program head of the Engineering Practice Program where the normal process of enrolling in the second internship and associated preview and review subjects would unreasonably delay graduation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48141 Engineering Practice Preview 2

3cp
Requisite(s): 48122 Engineering Practice Review 1 OR 48120 Review of Engineering Practice 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject assists students to develop as professional engineers and supports preparation for the second stage of the Engineering Practice Program. Through participation in six weekly workshops students develop and demonstrate their understanding of employment-related processes; ethical decision making; social responsibility; opportunities for leadership and followership; and the complexities of workplace culture. The workshops offer a range of collaborative and experiential learning activities in which students actively engage with their peers, reflect on their learning and refine their communication skills appropriate for professional engineering practice. Students review their past practice and consider their future development needs against the requirements of the Australian Engineering Competency Standards. Reflective practice is embedded throughout the subject to foster the development of students' strategies for continued professional development and lifelong learning.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48142 Engineering Practice Review 2

3cp
Requisite(s): 48130 Engineering Experience 2 AND 48141 Engineering Practice Preview 2
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Engineering Practice Review 2 helps students to develop as professional engineers by reflecting on their workplace practice and documenting their learning for peer and professional review.

Since each student's work experience is unique, all students benefit from sharing and discussing their experiences. However, this subject assists all students to appreciate the dimensions of professional engineering workplace practice, including: engineering in a global environment, organisational behaviour, commercial practice, industrial relations and human resource issues, ethics and social responsibility, communication and documentation, the extension and application of engineering knowledge, occupational health and safety, industrial relations, and personal and professional development and recognition.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48210 Interrogating Technology: Sustainability, Environment and Social Change

6cp; block
Requisite(s): 48250 Engineering Economics and Finance OR 25115 Economics for Business
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Field of practice: ICT Engineering Program
Undergraduate

This subject focuses on developing engineering students' approaches to understanding the interactions between engineering and society from a philosophical, sociological and political perspective. The subject introduces students to theoretical frameworks and research tools for researching these interactions. Topical case studies of new technologies and engineering projects are examined to ground the learning in students engineering contexts.

48211 Review of External Course

2cp

The subject description is available from UTS: Engineering.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48221 Engineering Computations

6cp
Requisite(s): 33130 Mathematical Modelling 1
Recommended studies: 48321 Engineering Mechanics; 48331 Mechanics of Solids
Core
Undergraduate

This subject provides engineering students with necessary computing knowledge, numerical techniques and programming skills as well as an understanding of using knowledge, skills and tools for engineering problem solving. The subject introduces students to basic knowledge and skills on computational numerical methods, excel spreadsheets and Visual Basic programming with no assumed

knowledge of programming. It requires students to develop an understanding of the application of such knowledge and skills for civil and mechanical engineering problem solving. Examples are chosen with an engineering bias and serve to reinforce material covered in other subjects in civil and mechanical engineering.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48230 Engineering Communication

6cp; 3hpw (tutorial), 1hr lecture in weeks 1,2 and 14
Core
Undergraduate

Engineering Communication aims to develop communication skills in an engineering workplace setting. Some of these include understanding basic principles and theories of human communication; researching within the various discipline areas that inform the study of communication; write competently in a number of different genres; performing competently in a variety of oral communication situations; understanding basic principles and practices of graphic communication; expressing engineering concepts through graphical communication; 'conversing' mathematically; leading and participating in group processes; and appreciating the central role of communication in engineering practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48240 Design and Innovation Fundamentals

6cp
Requisite(s): 33130 Mathematical Modelling 1 AND 48230 Engineering Communication

Design is explored as a fundamental engineering activity, applying the scientific principles learned in field of practice subjects to the solution of contextual problems. Students examine models of the design process and critique designed products, processes and systems. They define and formulate problems using creative and analytical processes. The responsibilities of engineers for assessing and managing different types of risk are explored, and safe design, ethics and intellectual property are also discussed. Topics addressed include:

- design context and requirements: approaches to design, problem framing and creativity; requirements analysis involving legal, regulatory, technical and business requirements; designing for sustainability, safety, innovation and intellectual property outcomes; risk management and design communication, documentation and review
- design analysis: concepts of risks and uncertainties in engineering; use of engineering and system modelling approaches and methods and fundamental statistical techniques used in engineering modelling
- design synthesis: engineering decision-making in the presence of risks and uncertainties and optimisation
- new process and product development: role of engineers in evaluation and delivering new process and products.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48250 Engineering Economics and Finance

6cp
Requisite(s): (((48110 Engineering Experience 1 OR 48120 Review of Engineering Practice 1)) OR ((87 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 87 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 87 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 87 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 72 Credit Points in spk(s): C10067 Bachelor of Engineering)) OR 72 Credit Points in spk(s): C10066 Bachelor of Engineering Science) AND (48230 Engineering Communication AND 48240 Design and Innovation Fundamentals)
Core
Undergraduate

The objectives of this subject are to provide engineering students with an understanding of and the capacity to deal with workplace concerns and the business side of engineering, and to provide them with an awareness of the language of accounting and engineering economy. The themes addressed in this subjects include:

- Economic context: the creation of wealth; a description of the sectors in the economy, the circulation of money and goods, the system of national accounts, current account deficit, the budget, economics of international trade.
- Engineering economy: discounted cash flow analysis, cash flow diagrams, interest, time value of money, net present value calculations, rates of return, project costing methods (cost estimating), etc.
- Cost-benefit analysis: cost-benefit analyses taking intangibles into account; types of intangibles and costing methods, and shadow pricing.
- Financial accounting: balance sheets and profit and loss statements, cash flow statements, and performance ratios.
- Management accounting: cost categories, break even analysis, contribution margin calculations, budgets.
- Engineering and sustainability: the relationships between engineering practice, economics and sustainability.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48260 Engineering Project Management

6cp
Requisite(s): (((48122 Engineering Practice Review 1 OR 48120 Review of Engineering Practice 1)) OR ((96 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 96 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 96 Credit Points in spk(s): C10067 Bachelor of Engineering OR 96 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 96 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 96 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 96 Credit Points in spk(s): C10080 Bachelor of Engineering in Civil Engineering OR 96 Credit Points in spk(s): C10084 Bachelor of Engineering in Electrical Engineering OR 96 Credit Points in spk(s): C10085 Bachelor of Engineering in Computer Systems Engineering OR 96 Credit Points in spk(s): C10086 Bachelor of Engineering in Telecommunications Engineering OR 96 Credit Points in spk(s): C10087 Bachelor of Engineering in Mechanical Engineering OR 96 Credit Points

in spk(s): C10088 Bachelor of Engineering in Manufacturing Engineering OR 96 Credit Points in spk(s): C10091 Bachelor of Engineering in Manufacturing Systems Engineering))) AND 48240 Design and Innovation Fundamentals

This subject adopts a holistic view of project management, considering issues throughout a project lifecycle. It considers the legal, contractual and managerial responsibilities of engineering managers and organisations, from the definition phase of a project until the project reaches its conclusion. The perspective of stakeholders, particularly the project manager, are considered. The emphasis is interdisciplinary, of relevance to all fields of engineering. Topics addressed include: modern project management practices; organisational strategy, structures and culture; project delivery; definition, timing, costing, planning; managing risk and scheduling resources; project leadership, teams and interoganisational relationships; project management contract law; conflict resolution, progress and performance and project measurement, evaluation, audits and closure.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48270 Entrepreneurship and Commercialisation

6cp

Requisite(s): (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 120 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering OR 120 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 120 Credit Points in spk(s): C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 120 Credit Points in spk(s): C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 120 Credit Points in spk(s): C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10080 Bachelor of Engineering in Civil Engineering OR 120 Credit Points in spk(s): C10084 Bachelor of Engineering in Electrical Engineering OR 120 Credit Points in spk(s): C10085 Bachelor of Engineering in Computer Systems Engineering OR 120 Credit Points in spk(s): C10086 Bachelor of Engineering in Telecommunications Engineering OR 120 Credit Points in spk(s): C10087 Bachelor of Engineering in Mechanical Engineering OR 120 Credit Points in spk(s): C10088 Bachelor of Engineering in Manufacturing Engineering OR 120 Credit Points in spk(s): C10091 Bachelor of Engineering in Manufacturing Systems Engineering)) OR ((96 Credit Points in spk(s): C10143 Bachelor of Information Technology OR 96 Credit Points in spk(s): C10148 Bachelor of Science in Information Technology OR 96 Credit Points in spk(s): C10152 Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice OR 96 Credit Points in spk(s): C10229 Bachelor of Science in Games Development)

These requisites may not apply to students in certain courses. See access conditions.

Advances in technology and technology-based businesses are a fundamental and increasing component of the sustainable economic wellbeing of developed nations. Engineering and science are the disciplines that underwrite technology advances, most of which occur within small businesses and new ventures. This subject develops students' understanding of the various roles within an enterprise, and enhances their ability to function effectively in a business environment - with a particular focus on the challenges posed by new ventures and small businesses. A technology feasibility framework is used to present topics such as marketing, sales, negotiation, service, financial manager, market research and organisational leadership. This is an intensive subject with strong practical orientation, using contemporary case studies to broaden students' perspectives and demonstrate the application of the concepts covered.

Topics addressed include: introduction to entrepreneurship and innovation;introduction to strategy; research and analysis tools - scanning the environment; evaluation of societal, technological, political and financial considerations; intellectual property protection; customers and marketing and opportunity analysis and business planning.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48271 Aerospace Operations: Overview of the Aviation Industry

6cp

This is the first subject in the Aerospace Operations major. It provides an overview of aerospace operations in the aviation industry. Aerospace operations are not seen as unique but as a particular example of a transport system which operates in a commercial, economic and regulatory environment.

Topics include: defining the aerospace industry; what is meant by aerospace operations; historical evolution of air transport with trends in transport aircraft design; fuels; supersonic transport; travel away from earth; energy and materials as key factors; aspects of management and business practice; and an introduction to strategic planning applied at the company and national levels in the context of technological change.

Typical availability

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48272 Airline Operations

6cp

This is the second subject in the Aerospace Operations major. It provides students with skills and understanding in various aspects of flight and ground operations, and the opportunity to analyse system and aircraft performance, and to plan aerospace operations. These activities are central to the overall objectives of the course, and facilitate understanding required of professionals in the industry.

Typical availability

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48273 Managing Aerospace Processes

6cp

This subject provides students with a global view of aerospace operations and allows them to contribute to aerospace operations through integration of material covered throughout the course. The subject considers aerospace as an integral part of the total transport system, aviation law and regulations, and systems engineering theory as it applies to aerospace operations.

This subject also integrates material from other elements of the course to give an overview of aerospace operations. The view in this subject is that aerospace operations are not unique, but a particular example of a transport system which operates in a commercial, economic and regulatory environment.

Typical availability

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48274 Aerospace Design Processes

6cp

This subject provides students with an understanding and appreciation of the design process in general, with particular reference to the aerospace industry. Engineering technologists are primarily concerned with the management of technology. Students must, however, be aware of the design process and the constraints and compromises involved, and this subject gives them that awareness. Topics include: the principles of design; design philosophies; design practice; design for strength; mechanical element design; introduction to FEA and CFD; concurrent engineering; design for maintainability; and aircraft design philosophies and implications, including basic aircraft strength, systems analysis and materials applications.

Typical availability

Autumn semester, Singapore

Spring semester, Singapore

Summer session, Singapore

Winter session, Singapore

48310 Introduction to Civil and Environmental Engineering

6cp

Fields of practice: Civil Engineering program

Undergraduate

The objectives of this subject are to ensure a general understanding of the role of the civil engineer in the provision of basic infrastructure necessary to support the development and maintenance of urban and rural settlement; to provide a sound foundation for further education in the processes of design, construction, operation and maintenance of community infrastructure; to ensure an understanding of the need to develop the necessary individual and multidisciplinary skills in civil engineering project analysis and development; and to develop effective verbal and written communication skills.

Lecture content includes civil engineering and the environment, orthographic and isometric drawings and AutoCAD drawing, loads and deflection, uses and behaviour of construction material (concrete and steel), building dynamics, soils and civil engineering, soil retention structures, road and traffic engineering and water engineering.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48320 Surveying

6cp

Fields of practice: Civil Engineering program

Undergraduate

The objectives of this subject are to enable students to: become competent in the theory and practice of basic surveying skills; be able to use basic surveying equipment such as levels and theodolites and perform the calculations and reductions of observations associated with such equipment; be aware of the likely errors that may occur during observations and of methods to eliminate or minimise such errors; be competent in making distance measurements accurately over short distances using tapes and wires and be aware of the advantages of modern developments in this field such as Electronic Distance-measuring Equipment; be able to perform a simple traverse and associated calculations to find the misclose and proportional accuracy, and the bearing and distance of one missing line; understand and be able to perform relevant calculations for the engineering applications of surveying (horizontal curves, vertical curves, and areas and volumes); and be aware of field techniques used to enable preparation of a detail and contour plan. The stadia method is discussed in class and is used as a data-gathering tool in a practical exercise. The applications of modern computer programs to reduce data for and the plotting of detail and contour plans are introduced. Services of professional surveyors are explained, as are engineering situations where surveyors must be engaged.

Topics include: use of equipment such as levels, theodolites and tapes and wires; calculations related to this equipment, as well as traversing, horizontal curve setting out, design of vertical curves, areas and volumes and stadia and contouring; modern developments in surveying; and the role of the professional surveyor.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48321 Engineering Mechanics

6cp

Requisite(s): 33130c Mathematical Modelling 1 AND 68037c Physical Modelling

Fields of practice: Civil Engineering program

Undergraduate

The subject aims to assist students to acquire a fundamental understanding of static equilibrium concepts commonly used in analysis and design of engineered structures. It also aims to develop their skills to analyse simple structures such as statically determinate beams and trusses subjected to various loading and support conditions. On completion of this subject, students should be able to apply static equilibrium conditions as tools to analyse simple structures, and have developed an appreciation of design in civil engineering. The principles developed in this subject form the basis of structural analysis and design. It introduces students to the fundamental aspects that are a basis for subsequent fields of dynamics in civil engineering such as fluid mechanics, hydraulics and road design.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/l7MqpUlETvg
- Academic video: www.youtu.be/wLZ8CMS9bmU

48330 Soil Behaviour

6cp

Requisite(s): 48331c Mechanics of Solids

Fields of practice: Civil Engineering program

Undergraduate

The objective of this subject is to give a broad-based introduction to the geosciences and a more rigorous introduction to soil as an engineering material. The subject concludes with a detailed study of the problems of soil settlement and soil shear strength. At the completion of the subject students should: be familiar with the natural processes occurring on the surface of the earth; be able to communicate with geologists, earth scientists and others involved in studying the ground; understand the fundamentals of the behaviour of soil as an engineering material; be aware of those aspects of soil behaviour which have a significant environmental impact; be able to solve a range of soil-related problems, especially those involving water flow and soil settlement; and have a solid basis for further formal study and self-study in the geotechnical area. Topics include introduction to soil engineering – typical problems, the engineer's role; geological fundamentals – classification, composition and structure of rock, engineering properties; geomorphology – soil formation, landforms; nature of soil – particulate nature, classification, clay mineralogy; introduction to soil mechanics – overview, state of vertical stress, effective stress; water in soil – groundwater, seepage and permeability; soil environmental impacts – problems, environmental behavioural aspects and properties; settlement of soils – settlement theory, consolidation testing, 1D settlement estimation, elastic deformations, rate of settlement; and soil shear strength – Mohr Coulomb failure law, strength testing, drained and undrained strength.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48331 Mechanics of Solids

6cp; 6hpw, on campus

Requisite(s): 48321 Engineering Mechanics OR 48620 Fundamentals of Mechanical Engineering

Recommended studies: It is recommended that students revise the subjects Engineering Mechanics, and Fundamentals of Mechanical Engineering before the beginning of the term.

Fields of practice: Civil Engineering program

Undergraduate

The objectives of this subject are to enable students to: acquire fundamental understanding of the behaviour of structural components commonly used in engineered structures and machines; develop skills to help them model and analyse the behaviour of

structural and machine components subjected to various loading and support conditions based on principles of equilibrium and material constitutional relationships.

Content includes: pure bending of beams – flexural stress and strain, calculation of beam loads; shear flow and shear stresses in beams – distribution of shear stresses in beam sections, forces and stresses in shear connectors; composite beams – composite short columns; slope and deflection of simple beams; column buckling – Euler's equation, end conditions and effective length, combined axial and bending stresses for short columns; torsion of circular shafts, thin-walled closed sections and solid rectangular sections; transformation of plane stresses – Mohr's circle of plane stresses, principal stresses and planes; inelastic bending – stress resultants, yield moment and ultimate moment capacity of elastoplastic sections, elastic and plastic section modulus, plastic hinges; product of inertia, principal axes and principal moments of inertia; unsymmetric bending; combined stresses due to axial force, shear force, bending moments and twisting moment; shear centre; transformation of plane strains - measurement of strains, strain rosette, relationship between elastic modulus, shear modulus and Poisson's ratio.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48340 Construction

6cp; 4hpw, on campus, weekly
Requisite(s): 48310 Introduction to Civil and Environmental Engineering
Fields of practice: Civil Engineering program
Undergraduate

The objective of this subject is to give a broad-based introduction to the construction industry and to emphasise the technical and managerial skills needed by engineering professionals working in this area. Much of the value and strength of the subject relates to the development of an understanding that a leadership role in engineering construction projects requires a holistic approach that blends technical skill, logical reasoning, judgment and managing activities and people. The construction industry requires all of these aspects to be constantly applied to a myriad of issues both large and small.

Typical availability

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48342 Structural Behaviour and Design

6cp
Requisite(s): 48331 Mechanics of Solids AND 48352c Construction Materials

All engineers who wish to practise as civil engineers in Australia must have knowledge of structural behaviour and design, including design to the relevant Australian Standards. However, practitioners in some of the fields in the broad range of civil engineering do not undertake detailed structural design or are involved in the construction of structures. These civil engineers do not require the depth involved in the detail of structural design (assessment of loads, structural analysis, structural behaviour of different structural materials and the design requirements for different structural materials, in accordance with the relevant Australian Standards). This subject introduces students in certain streams of the civil engineering offerings – civil and environmental, civil/water – to the fundamentals of structural behaviour and design of reinforced concrete, structural steel and timber elements. This builds on the knowledge and competence already achieved on the structural analysis of statically determinate structures, internal actions induced by applied loads (axial force, shear force and bending moment) and the response of elements to these internal actions, such as strain and stress distributions across cross-sections. The detail and depth of this subject does not allow the students to attain a sufficient competence to undertake the structural analysis and basic design of anything more complex than simple structural components. The students should achieve sufficient understanding of structural behaviour and design to be able to recognise the basic structural implications that are reflected in the design and construction of structures that they may encounter in their careers as civil engineers in their particular field away from structural engineering. The topics to be covered include Limit State Design philosophy, loads (G, Q, W) and load tributary areas, material design properties of reinforced concrete, structural steel and timber, method of moment distribution for structural analysis for continuous beams, behaviour and design of flexural members for strength (moment and shear) and serviceability (deflection) in reinforced concrete, steel and timber, of tensile members in steel and timber and of columns and beam-columns in reinforced concrete, steel and timber.

48349 Structural Analysis

6cp; 6hpw, on campus, weekly
Requisite(s): 48331 Mechanics of Solids AND 33230 Mathematical Modelling 2
Fields of practice: Civil Engineering program
Undergraduate

This subject covers methods and concepts which are fundamental to the analysis of linear elastic structural frameworks. Students learn how load bearing structures respond to the actions of directly applied loads as well as environmental effects such as temperature and foundation settlements. Topics covered include: computing deformations in plane frames using the principle of virtual work; the analysis of statically indeterminate structures using both, the force method as well as the method of moment distribution; and how to establish influence lines and how to use them in finding maximum load effects. A brief introduction to non-linear analysis of structures is also given.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

48350 Environmental and Sanitation Engineering

6cp; 3hpw, on campus
Requisite(s): 60101 Chemistry and Materials Science OR 65111 Chemistry 1
Fields of practice: Civil Engineering program
Undergraduate

This subject introduces civil engineering students to basic environmental concepts and the environmental consequences of typical engineering activities. It applies material learnt in 48210 Interrogating Technology: Sustainability, Environment and Social Change and 60101 Chemistry and Materials Science to real-life situations encountered during planning, designing and implementing civil engineering projects. The subject helps students: develop an awareness of environmental issues; understand the implication of certain processes such as construction within a natural system and to become familiar with both preventive and management strategies to minimise air, water, soil and noise pollution; become familiar with the main aspects of environmental legislation; and understand concepts and design of water pollution control mechanisms.

The main topics are environmental issues and their importance; pollution due to man-made activities, their types and their effect on natural ecosystems; an introduction to local and global environmental problems; environmental legislation and the importance of conducting environmental impact assessment; problems of waste generation and principles of landfill management; generation and management of toxic wastes; contaminated sites and their remediation; concepts of water pollution control; design of water and wastewater treatment works; and project case studies emphasising environmental issues.

Typical availability

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48352 Construction Materials

6cp
Requisite(s): ((60101 Chemistry and Materials Science OR 65111 Chemistry 1) AND 33230 Mathematical Modelling 2)
Fields of practice: Civil Engineering program
Undergraduate

Civil engineers design, construct, maintain, inspect and manage private and public work projects. The common materials used in civil engineering applications and construction are timber, concrete, bitumen, masonry, and reinforcing and structural steel. It is essential

Access conditions are available in the individual subject descriptions in the online handbook.

for civil engineers to have a basic understanding of these construction materials, in relation to their production, properties, testing and application. The main objectives of this subject are to help students acquire fundamental knowledge of the production, physical and engineering properties of construction materials; understand the effects of environments on the properties and performance of these materials; familiarise themselves with the relevant Australian and other specifications and standards, in relation to the requirements and testing methods and interpretation of test results; improve analytical and communication skills by presenting test reports; select material in relation to specified requirements; and develop an awareness of the use of waste materials in construction. Topics include:

- Requirements, selection and standards relating to use of construction materials
- Steel and aluminium: production, forms, grades, usage, mechanical properties and testing, failure theories and fatigue of metals
- Binders: production, types, composition, properties and testing
- Aggregate: classification, properties and testing
- Admixtures: types and effects on concrete properties
- Concrete: types, specification, mix design, testing and properties
- Degradation of construction materials and methods of protection
- Wood and composites: production, properties and forms
- Road making materials: production, properties and testing
- Masonry: clay, concrete, calcium silicate and stone
- Glass and safety glass and adhesives and sealants.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48353 Concrete Design

6cp; 3 x 2hrs
Requisite(s): 48349 Structural Analysis AND 48352c Construction Materials
UTS: Engineering: Civil and Environmental Engineering
Undergraduate

All engineers who wish to practise as civil engineers in Australia must have knowledge of structural design, including the behaviour and design of reinforced concrete (RC) and, to a lesser extent, of prestressed concrete (PSC) elements as parts of overall structures. This subject builds on the knowledge of statics, solid mechanics and structural analysis of indeterminate structures that the students have learnt in the previous structural strand subjects.

Students learn about the behaviour and design of RC beams, slabs and columns and PSC beams, for both serviceability and strength. Initially, the students are introduced to the Limit State Design philosophy of Australian Standards for structural design and to the material properties of concrete, reinforcement and prestressing steel used for design.

RC topics include uncracked section analysis of beams, cracked section analysis of beams (linear-elastic, Desayi-Krishnan, ultimate) for strength and design for strength to AS3600, serviceability design of beams, ductility of singly and doubly reinforced sections, design for shear, T-beams, approximate analysis and design of one-way, two-way slabs and flat slabs/plates, columns (interaction diagrams and slenderness effects), pad footings, cantilever retaining walls and reinforcement detailing.

PSC beam topics include history, uncracked section analysis, equivalent loads, load-balancing, cracked section analysis (linear-elastic and ultimate), design for bending, shear, transfer, anchorage.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48359 Structural Design 1

6cp
Requisite(s): 48349 Structural Analysis AND 48352c Construction Materials
Fields of practice: Civil Engineering program
Undergraduate

All engineers who wish to practice as civil engineers in Australia must have a competent knowledge of structural design to the relevant current Australian Standards, and a competent knowledge of structural analysis to allow the design to be done. Structural analysis is an integral part of the structural design process because it allows engineers to model the behaviour of structures under load and to determine the design actions induced by the applied loads. The prior structural subjects that students have completed have introduced them to statics, solid mechanics, simple aspects of the (structural) design process, the structural behaviours of materials (in the corequisite subject) and methods of structural analysis. Structural design then builds on prior fundamental knowledge of material properties and structural analysis and allows the engineer to design a safe and economical structure complying with the requirements of the relevant Australian Standards, based on his or her knowledge of and experience in structural behaviour.

Students learn about structural behaviour and become competent in the structural design of reinforced concrete elements (beams, slabs and columns) and of timber elements (beams, columns, tension members, beam-columns and bolted and nailed connections) in accordance with the relevant Australian Standards. The competence gained in structural analysis assists students in gaining experience and competence in the structural design of these structural components.

Topics include: reinforced concrete - introduction to reinforced concrete behaviour, uncracked and cracked section analyses, linear elastic and ultimate behaviour in beams, serviceability of beams and ultimate strength design for moment and shear in beams, one-way, two-way and flat slab analysis and design, punching shear, column design (stocky and slender) and reinforcement detailing; timber - introduction to timber behaviour, material properties and supply, design of tension and compression members, design for moment, shear, bearing and deflection in beams, design for combined actions, design of nailed and bolted Type 1 connections and durability-based design.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48360 Geotechnical Engineering

6cp
Requisite(s): 48330 Soil Behaviour
Fields of practice: Civil Engineering program
Undergraduate

The aim of this subject is to develop students' technical competence in the analysis of soil masses and of structures associated with the soil. The analysis of footings, retaining walls and soil slopes are examples. By completing this subject, students should be able to understand the concept of failure in soil and apply it to the analysis of soil masses; critically appraise a problem in order to decide which particular analysis should be used; identify the limitations of their analyses and carry out appropriate solution validation; be responsible for the analysis component of a design team; study the relevant literature and learn to apply new or more complex methods of analysis; and carry out fieldwork in association with subsurface investigations. Topics include introduction to geotechnical design – criteria, codes, engineering judgment; site investigation - planning, fieldwork, techniques; shallow foundations – types, bearing capacity theories, retaining structures; earth pressure theories – Rankine and Coulomb, analysis of gravity walls, cantilever walls, braced excavations; deep foundations – types, load-carrying capacity, settlement, group behaviour, lateral loading; slope stability - failure mechanisms, infinite slopes, rotational failure, remedial measures; and soil improvement – compaction, soil stabilisation, dewatering, preloading.

Typical availability

Autumn semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48362 Hydraulics and Hydrology

6cp; 6hpw, on campus, weekly
Requisite(s): 48641 Fluid Mechanics
Fields of practice: Civil Engineering program
Undergraduate

The objective of this subject is to give students a knowledge of open channel hydraulics and hydrology, leading to understanding of the scientific foundations and basic principles of these fields, and the ability to apply hydraulic and hydrological methods to engineering applications in an integrated way. Knowledge of fluid mechanics is consolidated and problem-solving skills in dealing with water engineering tasks are acquired.

Topics include: open channel hydraulics - types of flow (e.g. steady, uniform), friction equations, rapidly-varied flow, continuity, energy and momentum conservation, gradually varied flow, water surface profiles, software packages, hydraulic structures (channel appurtenances, culverts, bridge waterways); hydrology - the hydrological cycle, water balances, meteorology and climatology, data collection, statistics, hydrological models, design rainfalls, rainfall-runoff processes, flood estimation models and procedures, software packages, yield analysis, groundwater, environmental hydrology; and integration of hydraulics and hydrology case studies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48364 Materials Testing

6cp
Requisite(s): 48331 Mechanics of Solids

Construction materials used by engineers, independent of their disciplines, vary significantly in their compositions, properties and service performance. Failure of these materials to function effectively in service conditions may lead to extensive damage to components, equipment and structures. In many cases, with the failure of the materials, public safety is also affected. It is important for the engineers to have sound knowledge on the construction materials used in relation to their specification, testing methods, analysis and interpretation of test results. Material testing experience is needed to familiarise test methods and the use of modern equipment. In addition, it provides a practical understanding of design concepts such as stress, strain, strength, stiffness, failure, durability, etc. This subject provides an in-depth knowledge and understanding of test methods for civil engineering materials and recognises the applications and limitation of the testing techniques. This subject is designed to provide opportunity to understand a variety of testing techniques used to evaluate the properties of materials. Techniques include destructive testing, non-destructive testing, durability testing, thermal analysis and scanning electron microscopy, etc. Principles of the techniques, data analysis and applications of the techniques to engineering problems such as failure analysis and phase transformations are studied. After successfully completing this subject, students are able to: (i) discuss the principles of a variety of standard and non-standard testing techniques used to assess materials; (ii) explain the applications and limitations of these techniques; (iii) demonstrate a basic level of proficiency in the use of selected testing methods; (iv) select appropriate techniques to assess engineering materials or investigate problems; and (v) present the test results confidently and in a professional manner.

48365 Materials Performance

6cp
Requisite(s): 48366 Steel and Timber Design AND 48364 Materials Testing AND 48353c Concrete Design

This subject develops an understanding of the performance of civil engineering materials in relation to their material properties and manufacture processes. It is essential for civil engineers to appreciate the variations and limitations of the performance of civil engineering materials. These materials are dictated by the structure-property relationships based on microstructural and molecular phase morphologies which in turn affect the macroscopic engineering properties, and especially their application to design and construction applications.

Topics covered include: engineering materials such as metals (including steel, aluminium, titanium), ceramic and glasses, polymers, composites and nanomaterials with a main focus on metals. This subject describes the material science principles required for a fundamental understanding of engineering materials and related processes, including in-service durability. After the basic physical and mechanical properties of these materials on both the microstructural and the structural scale are presented (encompassing composition of the materials, phase transformations and mechanical properties), the emphasis is on the performance of the materials in civil engineering design and construction applications. The concepts of material failure, including fracture, fatigue and creep, are introduced. The corrosion and degradation of materials exposed to environmental conditions are presented. There is a strong emphasis on relating the materials science principles to applications of interest in civil and environmental engineering, thereby illustrating the importance of fundamental theoretical knowledge in everyday processes and applications. The manufacturing and engineering application of selected construction materials, including steel, aluminium, concrete and bricks, is introduced and integrated with the fundamental concepts described above.

48366 Steel and Timber Design

6cp; 6hpw, on campus
Requisite(s): 48349 Structural Analysis AND 48352c Construction Materials
Civil and Environmental Engineering

Civil engineers who wish to practise in Australia must have knowledge of structural design. This subject builds on the knowledge of statics, solid mechanics and structural analysis of indeterminate structures that the students have learnt in the previous structural strand subjects. Initially, students review the Limit State Design (LSD) philosophy of Australian Standards for structural design and the LSD load combinations of AS1170.0 Structural Design Actions, Part 0: General Principles. They are introduced to the material properties of structural steel and of timber and engineered wood products and their supply.

Steel design topics are tension member design, compression member design including in-plane effective lengths of rigid-jointed frames, beam and three-plate girder design for serviceability (deflection) and strength (bending, shear, web-crippling and web-buckling), beam-columns (combined actions incorporating second-order effects) and bolted and fillet-welded connection design, all in accordance with the requirements of AS4100 Steel Structures.

Timber design topics are tension member design, compression member design, beam design for serviceability (deflection) and strength (bending, shear, bearing), combined actions and nailed and bolted Type 1 joints, all in accordance with the requirements of AS1720.1 Timber Structures, Part 1: Design Methods.

48369 Structural Design 2

6cp
Requisite(s): 48359c Structural Design 1
Fields of practice: Civil Engineering program
Undergraduate

All engineers who wish to practise as civil engineers in Australia must have a competent knowledge of structural design to the relevant current Australian Standards, and a competent knowledge of structural analysis to allow the design to be done. Structural analysis is an integral part of the structural design process because it allows engineers to model the behaviour of structures under load and to determine the design actions induced by the applied loads.

Access conditions are available in the individual subject descriptions in the online handbook.

The prior structural subjects that students have completed have introduced them to statics, solid mechanics, methods of structural analysis, the structural behaviour of materials and structural design of reinforced concrete and timber elements. Structural design then builds on the prior fundamental knowledge of material properties and structural analysis and allows the engineer to design a safe and economical structure complying with the requirements of the relevant Australian Standards, based on his or her knowledge of and experience in structural behaviour.

Students learn about the structural behaviour and become competent in the structural design of steel elements (tension and compression members, beams, beam-columns and bolted and welded in-plane connections), reinforced concrete pad footings and cantilevered retaining walls and of prestressed concrete flexural elements in accordance with the relevant Australian Standards, AS4100-1998, AS3600-2001 and AS1170-2002. The competence gained in structural analysis assists students in gaining experience and competence in the structural design of these structural components.

Topics include: structural steel - material properties, tension and compression members, in-plane effective lengths, beam design (section moment capacity, lateral-torsional buckling, shear, web crippling, web buckling and three-plate girders, beam-columns, bolted and welded in-plane connections, fracture and fatigue behaviour and design; reinforced concrete - isolated pad footings and cantilevered retaining walls; prestressed concrete - introduction to prestressed concrete behaviour, load-balancing and equivalent load techniques, uncracked and cracked section analyses, linear elastic and ultimate behaviour in beams, serviceability of beams and ultimate strength design for moment and shear in beams, strength at transfer and end block reinforcement.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48370 Road and Transport Engineering

6cp

Requisite(s): 48330 Soil Behaviour

Fields of practice: Civil Engineering program

Undergraduate

The objectives of this subject are to enable students to understand the relationship between transport and land use; the basic concepts of transportation relating to modelling and design; and the relationship between urban form, energy use and sustainability. Students also learn to design feasible transport schemes using a variety of modes and to evaluate transportation projects in terms of their capacity, cost, environmental impact and equity. Topics include land-use transportation interaction; the transportation planning system; environmental impact of transport and issues in ecologically sustainable transport; design principles used in public transport; transport economics, privately funded infrastructure and freight issues; the geometric design, pavement design and the capacity of roads; and the needs of pedestrians and cyclists and the overall road safety issue.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48371 Advanced Engineering Computing

6cp

Requisite(s): (48221 Engineering Computations AND 48349 Structural Analysis AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 120 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 120 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 120 Credit Points in spk(s): C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 120 Credit Points in spk(s): C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 120 Credit Points in spk(s): C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))

The objective of this subject is for students to develop competencies in advanced computational methods used in civil engineering, particularly in the preparation and analysis of mathematical models that are frequently applied in structural engineering. The subject also develops modelling and programming skills using a wide range of software tools.

48372 Water Quantity and Quality Processes

6cp

Requisite(s): 48362 Hydraulics and Hydrology

The subject aims to teach students the investigation and analysis skills expected of a practising water or environmental engineer. There are three basic strands which are estuarine environments, surface water environments, and groundwater environments. The estuarine environment strand focuses on the physical and biochemical processes which occur in estuaries and wetlands and how to measure, model and predict those processes. The surface water strand focuses on contamination of surface waters and how to measure, model and predict any contamination. The groundwater environments strand focuses on quantification of the groundwater resource, its sustainability and contamination of that resource.

48389 Computer Modelling and Design

6cp

Requisite(s): (144 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 144 credit points of completed study in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 144 credit points of completed study in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 144 credit points of completed study in C10065 Bachelor of Engineering Bachelor of Business OR 144 credit points of completed study in C10067 Bachelor of Engineering OR 144 credit points of completed study in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 credit points of completed study in C10073 Bachelor of Engineering Bachelor of Science OR 144 credit points of completed study in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 144 credit points of completed study in C10075 Bachelor of Engineering Bachelor of Medical Science OR 144 credit points of completed study in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 144 credit points of completed study in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 144 credit points of completed study in C10079 Bachelor of Engineering Bachelor of Biotechnology

Diploma in Engineering Practice)) AND 48366c Steel and Timber Design AND ((48359 Structural Design 1 OR 48353 Concrete Design)
Fields of practice: Civil Engineering program, Civil and Environmental Engineering program
Undergraduate

This subject introduces senior civil engineering students to the preparation and analysis of computer models of load bearing structures. Students learn how to establish loads on buildings in compliance with Australian standards and how to apply them correctly to the computer models they prepare. Building on subjects completed earlier for the design of structures, students extend their design skills by being introduced, in hands-on lab sessions, to commercial software programs for structural analysis and drafting.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48410 Introduction to ICT Engineering

6cp

This subject introduces students to the foundations of information and communication technology (ICT) engineering. This includes the nature of the ICT industry and basic concepts and terminology used in ICT. Particular emphasis is given to the way in which the ICT industry has developed and is continuing to evolve, and the way in which this industry can benefit from (and in turn help shape) the practice of engineering.

Case studies are undertaken as problem-based assessment items which offer students opportunities to delve into the specialties of telecommunications engineering, computer systems engineering and software engineering.

48430 Embedded C

6cp
Requisite(s): 48441c Introductory Digital Systems
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Fields of practice: Computer Systems Engineering program
Undergraduate

This subject introduces students to procedural programming in the C programming language. Students analyse and develop programs that could run in an embedded environment (which may not necessarily support an operating system). In addition, structured analysis and design techniques are introduced and developed.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48433 Software Architecture

6cp
Requisite(s): 48440 Software Engineering Practice OR 31469 Object-oriented Design OR 31279 Software Development and Processes OR 31244 Applications Programming OR 48024 Applications Programming
Undergraduate

This subject teaches students how to design, develop and evaluate software architecture meeting predefined quality characteristics of functionality (suitability, security), usability (operability), efficiency (time behaviour, resource utilisation) and maintainability (changeability, testability). Concepts, theories and technologies underlying the methods and techniques are introduced and explained as required. Students apply all that they have learned to develop an architecture of a business system.

Typical availability

Spring semester, City campus

48434 Embedded Software

6cp
Requisite(s): 48430 Embedded C
Recommended studies: knowledge of the C language and digital systems is essential for this subject
Field of practice: Electrical Engineering major
Undergraduate

This subject presents the theoertical and practical basis for the structure, operation and design of embedded software with an in-depth treatment of modern software design methodology. Software development involves some assembly language. The subject covers compiler and debugger tools; serial I/O and protocols; non-volatile memory; arithmetic operations; timing and interrupts; digital and analog interfacing; concurrent software; program optimisation; multi-module and multi-language programs; numerical techniques specific for certain tasks (such as the FFT and fuzzy logic control); real-time operating systems and Internet connectivity.

The technical content is contextualised in a project in which students analyse the requirements of an embedded system and design the software to meet those requirements. Skills in debugging software are also developed through the practice-based nature of the subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48436 Digital Forensics

6cp
Requisite(s): 31252 Network Security OR 48730 Network Security
Recommended studies: an understanding of the principles and objectives of network security and of the fundamentals of network security technologies; CCNA-level networking concepts and skills, in particular packet analysis skills

This is a practice-based subject, using material based on the textbooks. Learning is laboratory-based. The emphasis is on digital forensics applications, in particular:

- forensic analysis of a digital storage device where evidence is recovered to support or oppose a hypothesis before a criminal court
- eDiscovery (a form of discovery related to civil litigation)
- intrusion investigation into the nature and extent of an unauthorised network intrusion.

48440 Software Engineering Practice

6cp
Requisite(s): 48024 Applications Programming OR 31244 Applications Programming
Undergraduate

This subject introduces students to the fundamentals of software engineering. An overview of the software development life cycle and the processes, methodologies and tools that support it is presented. Current trends and challenges in the practice of software engineering are explored. Students apply the principles and methods of software engineering to project work in small teams.

Typical availability

Spring semester, City campus

48441 Introductory Digital Systems

6cp
Requisite(s): 48510 Introduction to Electrical Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Fields of practice: Computer Systems Engineering program
Undergraduate

The objectives of this subject are to enable students to master the fundamentals of digital and programmable electronic circuits and their engineering applications; master the hardware architecture of a typical small computer system; and understand the principles of low-level programming and gain an ability to write simple assembly

code. Students are introduced to the basics of concurrent and real-time application programming. Topics include digital sequential circuits; state diagram and its application in the design of digital circuits; basic hardware architectures of the digital computer in terms of its building blocks; how hardware integrates with software at the machine level; low-level language programming; internal architecture and design of a typical register-based central processing unit and a main memory subsystem, and their interdependence; concepts of computer system buses, as well as different types of input and output devices; interrupts; input and output; micro-controller theory; and hardware interfacing design techniques.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48450 Real-time Operating Systems

6cp

Requisite(s): 48434 Embedded Software

Fields of practice: Computer Systems Engineering program

Undergraduate

This subject addresses the purposes, design alternatives and uses of computer operating systems. After several weeks studying the areas of responsibility that an operating system possesses in the context of a conventional computing environment, a treatment of operating systems in support of meeting real-time computing requirements is completed.

Topics include: process management, scheduling and inter-process communication, memory management and I/O device management. Comparisons of designs including monolithic and microkernel approaches. Embedded systems are explored as case studies for investigating operating systems modifications. The Linux kernel is studied as an example of a UNIX environment and programming exercises are completed in POSIX compliant C. Real-time systems are studied with treatments of rate monotonic, deadline monotonic and dynamic scheduling strategies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48451 Advanced Digital Systems

6cp

Requisite(s): 48441 Introductory Digital Systems

Fields of practice: Computer Systems Engineering program

Undergraduate

The subject has two major components: (i) analysis/design, and (ii) implementation, of an advanced computing node. The components are integrated and are reflected in the percentage of the subject mark. The subject provides an in-depth understanding of the analysis/design and implementation of advanced digital hardware at medium scale computer system building block level. It builds on the basics of 48441 Introductory Digital Systems introduced in the earlier fields of practice subject. Topics include: digital design process, functional design, implementation technologies, advanced digital architectures, and memory and I/O systems. It emphasises computer-aided design, including the use of VHDL specification, simulation and programmable VLSI implementation technologies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48471 ICT Analysis

6cp

Requisite(s): (48240 Design and Innovation Fundamentals AND 48260c Engineering Project Management AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 120 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering OR 120 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 120 Credit Points in spk(s): C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 120 Credit Points in spk(s): C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 120 Credit Points in spk(s): C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice))

This problem-based subject focuses on the specification and analysis of assigned, complex information and communication technologies (ICT) projects. Formal, plenary sessions of lecture/tutorials are used to teach project theory whereas problem-based learning is used for the specification and analysis of the assigned projects. Problem-based learning requires students to participate and take the initiative in researching topics not necessarily dealt with by formal sessions but required by the project.

In this subject, it is the students' responsibility to work out what they need to learn. Students learn to deal with the analysis phase of the ICT project lifecycle - planning; specification and analysis; architecture and high-level design. In the subsequent design subject (48481), students learn to deal with the development phase of the ICT project lifecycle - low-level design; implementing/building the product; plus associated testing. Skills gained include: teamwork; the use of technical planning strategies; experience in the use of standards and industry best practices; formal project specification; system performance analysis; reliability analysis; project risk abatement strategies; quality assurance factors including the quality of product and quality of process; system architecture development; system build and integration strategies; formal project development processes; assessment of managerial, financial, ethical and social issues; verification and validation; and user interfacing issues.

Students are organised into large groups of typically 15 to 20 students per group. Each group is then usually subdivided into teams of about three or four. A team focuses on one component of the group assignments. Group subdivision, structure and overall project management is decided by the group members. There are usually three group assignments: Assignment 1 is often the draft of the analysis deliverable, which allows students to prepare and plan for the actual deliverable; Assignment 2 is often the actual deliverable. In Assignment 3, students are usually required to review and critique another group's actual deliverable, which may be used in the subsequent design subject, for development and implementation purposes.

48481 ICT Design

6cp

Requisite(s): 48471 ICT Analysis

Recommended studies: proficiency with programming in at least one OO language (e.g. C#, Java, C++) is required

This subject organises students into large groups (typically 15 to 20 students a group), which undertake to develop information and communication technologies (ICT) projects previously specified and analysed in the subject 48471 ICT Analysis. The emphasis of this subject is one of commitment and self-management. Students choose the subdivision, structure and overall project management of their group; commit to a project plan that is self-actuated; track and

control artefacts of their project development using a configuration management system; and objectively assess project outcomes in a presentation and demonstration to an audience that often consists of academic and industry luminaries. Students develop a project within the subject's duration, using ICT engineering / project processes and methodologies, including time and budget management. The project is then used for group assessment once completed. The group decides on all development methodologies and processes for the project; identifies several design solutions, which meet project requirements; and assesses the value of each on the basis of functionality, performance and cost to implement. Students learn to write clear, concise documentation and learn to be effective group members through understanding the essentials of team organisation and how to be productive within a group project. Students constantly examine what they do, in self-critical exercises, and are invited to review existing development artefacts, making decisions about their value to their ICT project development by reviewing their impact on the established architecture and high-level design, making changes as necessary in a series of supplementary design documents. The final component is the presentation and demonstration of the developed project. The subject is facilitated by an academic team whose responsibilities include formal lectures as required, tutorials, laboratories, workshops and seminars, and provide conflict resolution for any difficulties that may arise from the group activities.

48510 Introduction to Electrical Engineering

6cp
Fields of practice: Electrical Engineering program
Undergraduate

The subject material is organised around two modules.

In Module 1 (The Basics) basic electrical concepts such as voltage, current, resistance and power are introduced; simple circuit analysis techniques for DC and AC circuits are studied; and an analysis of the types, properties and functions of components commonly found in a linear DC power supply is used as an application of this basic knowledge. The practical aspects of this module include learning how to use basic equipment such as a multimeter and digital storage oscilloscope (DSO), learning some simple 'tinkering' skills, and building and testing of simple circuits.

In Module 2 (Signals in Electrical Engineering) an application called the Filter Challenge is used to provide a context for presentation of material related to time and frequency domain representation of electrical signals including Bode plots and simple first-order RC filters.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48520 Electronics and Circuits

6cp
Requisite(s): 48510 Introduction to Electrical Engineering AND 33130 Mathematical Modelling 1
Recommended studies: basic physics and single variable calculus are essential for this subject
Fields of practice: Electrical Engineering
Undergraduate

The main objective of this subject is to familiarise students with basic electronic circuits, mainly with op-amps as active elements, and their applications. By the end of the subject, students should have acquired reasonable proficiency in the analysis of basic electronic circuits and be able to build and test circuits in the laboratory. Particular emphasis is placed on the practical, hands-on aspect of electronics to provide a solid foundation of working knowledge for basic analog electronic circuits using op-amps. Laboratory work is a significant proportion of in-class delivery so as to make students proficient in circuit construction, testing, troubleshooting and to give them a sound knowledge of the use of test instruments. Another objective is to show that practical electronic applications are relevant to other engineering and technical disciplines and may often be placed within a wider social or commercial context.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48521 Fundamentals of Electrical Engineering

6cp
Requisite(s): 48510 Introduction to Electrical Engineering AND 68037 Physical Modelling AND 33230c Mathematical Modelling 2
Recommended studies: basic physics and single variable calculus are essential for this subject, as well as basic electric circuit theory
Field of practice: Electrical Engineering major
Undergraduate

The subject revises the concepts covered in the subject Introduction to Electrical Engineering. It introduces basic electrostatic and electromagnetic theory, magnetic devices, semiconductor devices, electronic amplifiers and electrical measurements. An additional objective of the subject is to cover the essential theory and basic practical skills needed by students in their first Engineering Experience internship.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48530 Circuit Analysis

6cp
Requisite(s): 48520 Electronics and Circuits AND 48521 Fundamentals of Electrical Engineering
Recommended studies: students are assumed to have knowledge of basic electrical circuits and devices and basic circuit analysis skills
Fields of practice: Electrical Engineering program
Undergraduate

In this subject students are assumed to have knowledge of basic devices such as ideal and real voltage and current sources and loads; resistors; capacitors, inductors and coupled coils; diodes and operational amplifiers, and basic circuit analysis skills such as Kirchhoff's current and voltage laws, Thevenin's and Norton's theorems, mesh and nodal analysis, symmetry, circuit transformation and superposition. Using this understanding as a starting point, the subject introduces the basic theoretical models that underpin signals and system analysis. Topics covered are sinusoidal steady-state analysis using phasor technique, Laplace transforms; solution of ODEs using Laplace transforms; power in AC circuits, electrical distribution networks and devices, multiphase systems; transfer (network) functions, poles and zeros, s-plane analysis, Bode plots; first- and second-order systems; response to periodic and non-periodic inputs, time domain solution, frequency domain solution; and arbitrary systems analysis, response to an arbitrary input using convolution; frequency selective circuits; Fourier series, the Fourier transform; two-port circuits. Students use experimental design and testing, MATLAB and analytical modelling to investigate real-world devices. Comparison of experimental results and model predictions is emphasised in the laboratory sessions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48531 Electromechanical Automation

6cp
Requisite(s): ((48520 Electronics and Circuits OR 48660 Dynamics and Control) AND 33230 Mathematical Modelling 2)
Field of practice: Electrical Engineering major
Undergraduate

The objectives of this subject are to consolidate fundamental knowledge of electric and magnetic fields; electric and magnetic circuits; how electric, magnetic and electromagnetic energy are interchanged; to model an electromechanical automation system using DC and AC motors and simulate its performance in open-loop and closed-loop control. Students also acquire skills in working with machines and equipment at normal mains supply voltage, in power instrumentation and control, PLCs and in experimental design and recording. Technical and theoretical content is expected to be acquired by students to the levels of 'know' (essential), 'familiar' (can solve problems if required) and 'aware' (have read / seen). Laboratory skills, ranging from electrical safety, measurements, design validation and experimental verification are an important focus of this subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48540 Signals and Systems

6cp
Requisite(s): 48530 Circuit Analysis
Recommended studies: circuit analysis in both the time and frequency domains, utilising mathematics involving solutions to differential equations using time-domain techniques as well as transform methods
Fields of practice: Electrical Engineering program
Undergraduate

This subject presents the theoretical basis for system analysis and gives students skills in using the techniques to design components of real control/communication systems. The derivation of models from real-world devices through measurement and the comparison of model predictions with experimental results is emphasised in the laboratory component of the course. A group project that requires the design and implementation of part of a control/communication system allows students to apply their knowledge to a real-life problem. Topics include signal types and their representation in the time and frequency domains; modelling systems with differential or difference equations and transforms of the equations; signal operations and processing; the relationship between discrete and continuous quantities and the mathematical techniques applicable to each; the effects of feedback; time and frequency domain performance of systems; system stability; and control design techniques and simple communication systems. Through learning activities students also gain study skills, including academic literacy skills, and an appreciation of the different fields of practice of engineering and the interdisciplinary nature of engineering. Class time is used for lectures, tutorials, laboratories and project work. There are a number of formal laboratory sessions that apply control and communication theory, which also familiarise students with the laboratory equipment. The subject culminates in the design and implementation of a control system and communication system for a remote-controlled robot.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48541 Signal Theory

6cp
Requisite(s): 33230 Mathematical Modelling 2
Fields of practice: Electrical Engineering program
Undergraduate

This subject provides the theoretical cornerstone for the telecommunications thread in the course. Later telecommunications subjects rely heavily upon the mathematical groundwork and system framework of this subject. A strong laboratory component is emphasised in order to provide the student with exposure to a number of common telecommunication systems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Note(s)

This subject was formerly called Signals and Systems (Telecommunications).

48550 Renewable Energy Systems

6cp
Requisite(s): 48531 Electromechanical Automation
Field of practice: Electrical Engineering major
Undergraduate

This subject aims to introduce students to contemporary renewable energy technology, including sustainability and environmental issues, energy resources, electric power generation from renewable energy sources, such as solar, wind, geothermal, wave, tide, hydro and fuel cells. Understanding of energy storage and system integration is needed and, as an example, developments in electrical utilisation in electric and hybrid vehicles are also studied. Design techniques for renewable energy systems are discussed in detail. Students are able to practise their design skills of renewable energy systems through three assignments specified as system specification, analysis of options and system design, respectively. By studying this subject, students gain knowledge and essential skills to design a renewable energy system.

Typical availability

Spring semester, City campus

48551 Analog Electronics

6cp
Requisite(s): 48530 Circuit Analysis AND 48570 Data Acquisition and Distribution
Field of practice: Electrical Engineering major
Undergraduate

This subject draws on, and brings together, the knowledge and skills developed in earlier subjects such as Electronics and Circuits and Circuit Analysis, and teaches students to analyse, understand and design complex electronic circuits and systems. Particular emphasis is placed on developing the ability to model real-life devices, to understand their imperfections and limitations. The principal goal of this subject is to give all students - whether destined to become circuit designers or engineers who simply use electronics - the tools necessary to make intelligent choices in the design of modern electronic circuits and systems.

On completion of this subject students should be able to: understand the operation and characteristics of BJTs and MOSFETs in integrated circuits; understand the internal structure of typical IC Op-Amps and the operation of its basic building blocks; understand the character and sources of non-idealities in IC Op-Amps; select an appropriate device type for a specific application; understand the frequency-domain behaviour of circuits and systems; understand the feedback principle and use it to advantage in circuit and system design; be familiar with other analog circuits like oscillators, converters, multipliers, etc.; use computer simulation to analyse and design circuits and systems; and be familiar with basic techniques used in CAD of electronic circuits and systems. The project brings together three fundamental stages of electronic circuit development: preliminary design, verification and refinement by simulation as well as building and testing a prototype.

Topics include: review of basic BJT, MOSFET and Op-Amp circuits; computer-aided design (tools and principles); differential and multistage amplifiers; non-ideal characteristics of Op-Amps; output stages and power amplifiers; review of different Op-Amp types; frequency response of linear circuits and systems; feedback principles and applications; signal generation and waveform shaping; filter design principles; other analog circuits (data converters, multipliers, etc.); noise in integrated circuits; and grounding, coupling and decoupling techniques.

Typical availability

Spring semester, City campus

48560 Introductory Control

6cp
Requisite(s): 48540 Signals and Systems
Field of practice: Electrical Engineering major
Undergraduate

The objective of this subject is to enable students to model with validation control systems and to analyse, design and implement both analog and digital controllers so that the controlled systems conform with given specifications. Emphasis is placed on laboratory work, the theoretical content of the subject being only that required to produce successful designs. Students are required to work on reduced scale models of actual industrial processes. The equipment is based upon experience gained with authentic control applications and is suitably modified for student use. Students follow the usual sequence adopted in industry, i.e. they start with the calibration of transducers and actuators leading on to dynamic response testing, physical modelling, model verification and finally to controller design, implementation and testing. Topics include linear and nonlinear modelling of control systems using Newton's rules, analogous networks or Lagrangian techniques; linearisation and development of linear, time-invariant transfer functions; development of lead-lag compensators or PID controllers using classical control design techniques such as root locus, Bode gain and phase diagrams, Nyquist plots and Nichols chart; development of state-variable equations from differential equations; development of state-variable feedback controllers and state observers; open-loop pulse transfer functions and discrete-time state models; discretisation using backward difference, bilinear, step-invariance or pole-zero mapping; development of digital PID controllers, deadbeat controllers and discrete-time state-variable feedback controllers; describing functions and limit cycles for nonlinear control systems; and the development of linear controllers for nonlinear systems using describing function techniques.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48561 Power Electronics and Drives

6cp
Requisite(s): 48531 Electromechanical Automation
Field of practice: Electrical Engineering major
Undergraduate

The objectives of this subject are to enable students to: acquire an understanding of the nature of power semiconductor devices and their control and use in switch-mode; understand the arrangement and topology of the circuits in which switch-mode devices are used; appreciate the use of power electronic circuits in high-power applications such as motor drives; be aware of the electromagnetic interference problems associated with power electronic systems; use commercial software for the rigorous circuit analysis of real power electronic systems; analysis and design circuits to meet specific specifications; and fabricate basic power electronic circuits such as a chopper. Topics include: topology and switching characteristics for IGBT, MOSFET, GTO, Thyristor and other devices; gate drive circuit requirements; power conversion circuits including DC-DC choppers, AC-DC controlled rectifiers, and DC-AC inverters; pulse-width modulation techniques; snubbers and thermal design for power devices; voltage and current controlled inverters; applications such as switch-mode power supplies, DC drives, AC drives, UPS systems, HVDC; recent advances in device technology; control techniques; and EMC and electromagnetic interference.

Typical availability

Autumn semester, City campus

48570 Data Acquisition and Distribution

6cp
Requisite(s): ((48541 Signal Theory AND 48520 Electronics and Circuits) OR 48540 Signals and Systems) AND 48441 Introductory Digital Systems
Recommended studies: basic electronics and circuits using operational amplifiers are essential
Fields of practice: Electrical Engineering program
Undergraduate

By the end of this subject students should be able to analyse, design, build and test data acquisition and distribution systems (DADS), measurement systems, and intelligent instrumentation systems; characterise, specify and select to satisfy the requirements of a DADS: sensors/transducers and associated circuits, transducer analogue interfacing and signal conditioning circuits, and data conversion devices and systems; interface DADS to computers, plant and installations; and write, test and embed control and programming software for DADS interfacing. Material to be taught and learnt includes applications, requirement specifications and typical architectures of DADS; general performance characteristics of DADS components and subsystems; physical principles and design fundamentals of sensors and transducers; mechanical, temperature, pressure, flow-rate, level transducers and applications; optoelectronic transducers and applications; transducer analogue interfacing; precision amplifiers and low-level signal conditioning; noise, guarding and shielding in instrumentation systems; data conversion devices and systems; DADS design; time and error budget of DADS; computer structures for DADS; DADS interfacing to computers and control software; intelligent instrumentation systems; and data integrity.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48571 Electrical Machines

6cp
Requisite(s): 48531 Electromechanical Automation AND 48530 Circuit Analysis AND 68038 Advanced Mathematics and Physics
Recommended studies: advanced physics and calculus are essential for this subject, as well as an understanding of circuit theory and machine principles
Field of practice: Electrical Engineering major
Undergraduate

This subject aims to introduce to students modern electrical machines and drives, including introduction of electrical machine technology and applications, Matalab/Simulink models of power electronic converters, single phase and three phase transformers, high frequency transformers used in power electronic circuits, fundamentals of electrical drives, DC machines and drives, synchronous machines and drives, induction machines and drives, and switched reluctance machines. Issues such as variable speed drive and energy efficiency are addressed. The numerical simulation of various modern drive systems is presented. The subject is delivered through lectures, tutorials, laboratory experiments and assignments.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48572 Power Circuit Theory

6cp
Requisite(s): 48530 Circuit Analysis
Recommended studies: an understanding of electric circuit theory is essential to this subject, as well as the solution to ordinary differential equations. It is assumed that the students have prior knowledge in the following: Complex numbers and its application to the analysis of AC circuits. Circuit analysis. Fundamentals of electrical machines. MATLAB programming to solve simple problems
Field of practice: Electrical Engineering major
Undergraduate

The subject introduces the basic methods used in the analysis and design of electric power networks. Its purpose is to give students a working knowledge of modern power system theory and practice. Techniques introduced in earlier circuit analysis subjects are further developed and applied to power system problems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48580 Advanced Control

6cp
Requisite(s): 48560 Introductory Control
Recommended studies: previous study of simple control systems using transfer functions and state-variables is essential
Field of practice: Electrical Engineering major
Undergraduate

This subject covers advanced techniques for analysis and design of modern control systems. The objectives of this subject are to consolidate fundamental knowledge of state space and state feedback, how to design pole placement, state observers and output feedback control. Topics include also nonlinear systems and Lyapunov stability theory, adaptive control, optimal control and robust control. Project work is conducted on a continuous basis throughout the semester.

Typical availability

Autumn semester, City campus

48581 Digital Electronics

6cp
Requisite(s): 48530 Circuit Analysis AND 48570 Data Acquisition and Distribution
Recommended studies: basic electronics and circuit theory knowledge and experience with digital systems is required for this subject
Field of practice: Electrical Engineering major
Undergraduate

The objective of this subject is for students to design, build and test hardware for an embedded application that utilises a modern digital integrated circuit, such as a field programmable gate array (FPGA), a microcontroller or a digital signal processor (DSP). It draws together many elements of engineering - system specification, design, implementation, testing, documentation and management - all in the context of a modern digital electronic system.

This subject presents the theoertical and practical basis for the structure, operation and design of embedded systems with an in-depth treatment of modern hardware components. The integrated circuits introduced are field programmable gate arrays, microcontrollers, digital signal processors, embedded PCs; memory subsystems; I/O subsystems; serial I/O subsystems; and some analog subsystems. Modern computer-aided hardware design software is used extensively. Topics such as PCB manufacturing, surface-mount technology and EMC compliance are also treated in depth.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

48582 Power Systems Analysis and Design

6cp
Requisite(s): 48572 Power Circuit Theory
Recommended studies: power circuit theory knowledge is essential for this subject
Field of practice: Electrical Engineering major
Undergraduate

The primary objective of this subject is the development of a working knowledge of power systems analysis and design. Emphasis is placed on the derivation of equivalent circuits, mathematical models of devices and the system, and on methods of analysis and measurement. Material covered includes electricity supply chain building blocks, system analysis, real/reactive power and load flow analysis, dynamic and transient stability.

Typical availability

Autumn semester, City campus

48583 Power Systems Operation and Protection

6cp
Requisite(s): 48572 Power Circuit Theory
Recommended studies: power circuit theory knowledge is essential for this subject; complex numbers and its application to the analysis of AC circuits; power circuit analysis and fault calculations; fundamentals of electrical machines; MATLAB programming to solve simple problems
Field of practice: Electrical Engineering major
Undergraduate

The primary objective of this subject is the development of a working knowledge of power systems operation and protection. The subject aims to provide students with a knowledge and understanding of elements of the supply chain and how they function in the National Electricity Market; demand-side management options including smart meters; load forecasting and optimal load scheduling for secure energy supply and use; protection schemes for transmission and distribution networks; communications in power systems, including communication media, architectures, automation, standards, protocols and security; and basic design, connection and standards of current and voltage instrument transformers for protection and metering applications.

Typical availability

Spring semester, City campus

48600 Mechanical Design 1

6cp; 3hpw (lecture), 2.5 hpw (workshop)
Requisite(s): 48331 Mechanics of Solids AND 48621 Manufacturing Engineering AND 48240 Design and Innovation Fundamentals
Recommended studies: 48510 Introduction to Electrical Engineering
Field of practice: Mechanical Engineering program and Mechanical and Mechatronics Engineering program
Undergraduate

This subject is the first in a set of three engineering design subjects. It builds on and brings together the concepts introduced in earlier subjects (e.g. the prerequisite subject). Topics covered include the mechanical design process, graphical presentation of engineering ideas and components, computer-aided design, engineering materials and processes and aspects of engineering knowledge. A prototype design-and-build project is a major component of this subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48601 Mechanical Vibration and Measurement

6cp
Requisite(s): 48640 Machine Dynamics AND 48660 Dynamics and Control
Field of practice: Mechanical Engineering program
Undergraduate

This subject aims to develop students' fundamental knowledge and understanding of the dynamics of various mechanical systems; provide students with knowledge and skills in vibration testing and data acquisition; facilitate students' in-depth learning of the theory and methods, including modelling, modal analysis, system identification and numerical approaches; familiarise students with techniques and data acquisition system used in vibration testing, measurement, signal processing for determining the dynamic characteristics of a physical system; and enable students to apply the learnt methods to real world applications which include vehicle suspension design, vibration analysis and condition monitoring of rotating machines. The subject contains basic vibration theory for the analysis of two or more degrees of freedom multi-body mechanical systems, basic topics on widely-used engineering measurements, data acquisitions, spectrum analysis, signal processing and their applications in vibration control and machine condition monitoring. Case studies of engineering applications are also covered through special lectures and projects.

Typical availability

Spring semester, City campus

48610 Introduction to Mechanical and Mechatronic Engineering

6cp
Fields of practice: Mechanical Engineering program
Undergraduate

The subject introduces the student to engineering sketching and drawing, computer-aided design and solid modelling, engineering design, engineering mechanics, mechanical systems and components, mechatronics, and wind power and energy conversion. Students learn to graphically represent engineering components by sketching, using drawing instruments and/or computer methods using standard representation techniques such as orthogonal projection. Students learn basic engineering mechanics and how to apply this to analyse simple machines, mechanisms and structures. Students also learn basic mechatronics principles and apply them in a mechanical system that they design and build themselves.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48620 Fundamentals of Mechanical Engineering

6cp
Requisite(s): 48610 Introduction to Mechanical and Mechatronic Engineering AND 68037 Physical Modelling AND 33130 Mathematical Modelling 1
Fields of practice: Mechanical Engineering program
Undergraduate

This subject builds on and brings together the concepts introduced in the Mathematical and Physical Modelling subjects and in Introduction to Mechanical and Mechatronics Engineering. It is intended to provide students with a comprehensive overview of elementary mechanics, and lay the basis for further work in this area in later subjects. In particular, material discussed in this subject is taken further in Machine Dynamics and Mechanics of Solids subjects in subsequent stages.

Newtonian mechanics depends upon the development of a series of increasingly complex models, based on Newton's Laws of Motion. The purpose of this modelling concept is to set up an orderly development that is conducive to mathematical analysis. The methodology relies upon diagrammatically isolating a physical entity (or body) from all constraints or contacts with other bodies and replacing these contacts with external forces. This relies in turn in discriminating between what are defined as internal and external forces. The mechanically isolated body is referred to as a Free Body Diagram. It requires a graphical, diagrammatic or visual approach to problem analysis, unlike other analytical systems, which relies on more sophisticated mathematical analysis.

The topics discussed in this subject include equilibrium in 2D plane and 3D space, centroids and moments of inertia, the concepts of stress and strain, plane kinematics and kinetics, force and acceleration, work and energy, impulse and momentum, and the relationships between them. These comprise the basis of a comprehensive course in Newtonian mechanics.

Typical availability

Spring semester, City campus

48621 Manufacturing Engineering

6cp
Requisite(s): 48610 Introduction to Mechanical and Mechatronic Engineering
Fields of practice: Mechanical Engineering program
Undergraduate

The objectives of this subject are to: explain and provide examples of manufacturing processes involved in casting, forming machining and joining of materials; identify and describe the manufacturing process by which products are made of different materials: metals, polymers, ceramics and composites; demonstrate improved technical written and graphical communication skills by completion of specified laboratory reports and site visit reports; and demonstrate basic problem-solving skills relating to manufacturing and production.

Students learn the processes and materials available, as well as a competent and practical approach to evaluating, selecting and recognising the connections between the materials/processes and engineering design.

Typical availability

Spring semester, City campus

48622 Mechatronics 1

6cp
Requisite(s): 48510 Introduction to Electrical Engineering
Fields of practice: Mechanical and Mechatronics program
Undergraduate

The objectives of this subject are to enable students to: master the fundamentals of digital and programmable electronic circuits and their engineering applications; master the hardware architecture of a typical small computer system; and understand the principles of low-level programming and gain an ability to write simple assembly code. Students will be introduced to the basics of concurrent and real-time application programming.

Topics include: digital sequential circuits; state diagram and its application in the design of digital circuits; basic hardware architectures of the digital computer in terms of its building blocks; how hardware integrates with software at the machine level; low-level language programming; internal architecture and design of a typical register-based central processing unit and a main memory subsystem, and their interdependence; concepts of computer system buses, as well as different types of input and output devices; interrupts; input and output; micro-controller theory; hardware interfacing design techniques; and aspects of real-time programming, concurrency and multiple processing, the design of a basic multi-tasking operating system and the solution of a concurrent application.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48623 Mechatronics 2

6cp
Requisite(s): 48441 Introductory Digital Systems OR 48622 Mechatronics 1

This subject builds on and brings together the concepts introduced in Mechatronics 1. It is intended to provide students with comprehensive hands-on experience in mechatronics system design. The concepts of sensing, actuation, control, hardware and software are demonstrated through a commercially available robotics platform. Subject matter includes: sensing, actuation, path planning, control, memory and interfacing circuits, tools for microprocessor-based system design, development and testing of prototype systems. The subject includes a major project where groups of students design, develop and commission a microprocessor-based product.

Typical availability

Spring semester, City campus

48640 Machine Dynamics

6cp
Requisite(s): 48620 Fundamentals of Mechanical Engineering
Fields of practice: Mechanical Engineering program
Undergraduate

The objectives of this subject are to give students an understanding of the kinematics and dynamics of rigid bodies in general planar motion, which is typically encountered in design and analysis of mechanical systems, and an elementary understanding of the vibration of mechanical systems, in particular the dynamic behaviour of single-degree-of-freedom mechanical systems with various damping and applied forces. Students should be able to: model problems in rigid body planar and spatial kinematics and rigid body planar dynamics; understand energy methods in contrast to direct applications of Newton's second law of motion for setting up a model; understand the physics of a problem formulated from a real mechanical system; appreciate the role of vibration in machines and structures in the engineering world; understand the procedures required to evaluate a vibration problem; and analyse the dynamic response of single-degree-of-freedom mechanical systems. The subject also covers the concept of a rigid body, full nomenclature used in kinematics, two-body velocity equations and velocity diagrams of planar motion; two-body acceleration equations and acceleration diagram; three-body velocity equations and acceleration equations including Coriolis acceleration term; angular velocity acceleration equations including three-dimensional problems; F=ma applied to a rigid-body-dynamics, significance of 'centre of mass', the 'moment' relationship (M=Ia, etc.); angular momentum, conservation of angular momentum (general case, centre of mass moving, no 'fixed' point); linear and angular impulse problems; energy methods for general planar motion; elementary principles of vibration theory, free vibration of undamped single-degree-of-freedom system; free decay vibration of damped single-degree-of-freedom system; and the forced vibration of single-degree-of-freedom system.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48641 Fluid Mechanics

6cp
Requisite(s): 33230 Mathematical Modelling 2
Fields of practice: Mechanical Engineering program
Undergraduate

This subject aims to enable students to: understand key concepts and fundamental principles, together with the assumptions made in their development, pertaining to fluid behaviour, both in static and flowing conditions; deal effectively with practical engineering situations, including the analysis and design of engineering systems and devices involving fluids and flow; appreciate possible applications and links to other disciplines; and engage in further specialised study or research. The subject also aims to enhance interests in fluid phenomena and applications. Topics include: fluid properties and statics; conservation laws of mass, momentum and energy; flow in pipes; external flow (lift and drag); boundary layers; flow measurements; and environmental fluid mechanics.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48642 Strength of Engineering Materials

6cp
Requisite(s): 48331 Mechanics of Solids
Fields of practice: Mechanical Engineering program
Undergraduate

This subject draws on, and brings together, the knowledge and skills developed in earlier subjects such as 48620 Fundamentals of Mechanical Engineering, 60101 Chemistry and Materials Science, and 48331 Mechanics of Solids. It also prepares students for the more dedicated design subjects to come and exposes them to practical aspects of mechanical engineering design. The objectives are that students should be able to: understand, describe and use the methodology of modelling material properties and behaviour; understand and describe the fundamental differences in the behaviour of different types of materials; understand and describe how and why things fail; realise the importance of material selection in engineering

Access conditions are available in the individual subject descriptions in the online handbook.

design; predict, or design to avoid, failure given the material, environment and loading conditions; and use analytical skills in stress analysis and knowledge of material properties in mechanical design. Topics include: the use of stress analysis and material properties in materials selection and mechanical design; stress analysis - revise concept of normal and shear stress; combined stress; structures and m/c components; impact; material behaviour - time dependent material properties; strength; failure modes - theories, criteria for static failure (e.g. Tresca, von Mises, Mohr), fracture, creep, and fatigue; and strain energy methods.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48650 Mechanical Design 2

6cp

Requisite(s): 48600 Mechanical Design 1 AND 48642 Strength of Engineering Materials

Fields of practice: Mechanical Engineering program

Undergraduate

This subject builds on and brings together the concepts introduced in earlier subjects, such as 48600 Mechanical Design 1, 48610 Introduction to Mechanical and Mechatronic Engineering, and 48620 Fundamentals of Mechanical Engineering, along with the technical knowledge built up until this stage of the course. It provides a link between engineering science and practice, and focuses on the technical aspects of engineering design, for instance, identifying and conducting the relevant engineering analysis and subsequently making appropriate technical level design decisions and recommendations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48651 Thermodynamics

6cp

Requisite(s): 33230 Mathematical Modelling 2 AND (68037 Physical Modelling OR (68042 Physical Modelling A AND 68043 Physical Modelling B))

Fields of practice: Mechanical Engineering program

Undergraduate

The objectives of this subject are to develop a fundamental understanding of applied thermodynamics in an engineering perspective, use thermodynamics effectively in the practice of engineering, lay the groundwork for subsequent studies in the fields related to energy systems and increase an awareness and emphasis on energy resources and environmental issues.

Topics include thermodynamic properties of pure substances, work and heat, the first law of thermodynamics, applications to closed systems, applications to open systems, the second law of thermodynamics, irreversibility, entropy, Rankine cycle and steam engines, refrigeration cycle, Brayton cycle and gas turbine engines, Otto cycle and spark ignition engines, and diesel cycle and compression ignition engines.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48660 Dynamics and Control

6cp

Requisite(s): 48640 Machine Dynamics

Fields of practice: Mechanical Engineering program

Undergraduate

The objectives of this subject are to: have an understanding of the behaviour of linear (or approximately linear) dynamic systems that are typically encountered in the practice of mechanical engineering; and gain an understanding of how such systems can be controlled, or have their dynamics altered, so as to achieve desired outcomes. Topics covered include:

- dynamic models: component block diagram, laplace transform, undamped free and forced vibration of SDOF systems, damped free and forced vibration of SDOF systems, resonance and beats, logarithmic decrement, response under the harmonic motion of the base, coupled-tank systems, vibration of 2DOF systems, vibration isolation, vibration absorbers
- Matlab and Simulink
- dynamic response: system modelling diagrams, poles and zeros, effect of pole locations, first order systems, second order systems, effects of zeros and additional poles, stability
- basic properties of feedback: the basic equations of control, control of steady-state error, PID control, pole placement method
- the root-locus design method: root-locus of a basic feedback systems, dynamic compensation, examples
- control system implementation and introduction to advanced control systems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48661 Heat Transfer

6cp

Requisite(s): 48641 Fluid Mechanics

Fields of practice: Mechanical Engineering program

Undergraduate

This subject provides a solid grounding in key concepts and fundamental principles, along with the assumptions made in their development, relating to heat transfer and to the operation of various machines associated with thermal energy (such as heat exchangers). It aims to develop expertise in applying these principles, in rational combination with the necessary empiricism, to practical engineering situations involving heat transfer and such machines, including their selection, application, performance prediction and design. The subject also reinforces an appreciation of the links between different subject areas and engineering disciplines. Topics covered include fundamentals of heat transfer covering conduction, convection and radiation, and heat exchangers.

Typical availability

Spring semester, City campus

48662 Mechanical Applications

6cp

Requisite(s): 48640 Machine Dynamics AND 48642 Strength of Engineering Materials

Fields of practice: Mechanical Engineering program

Undergraduate

The objectives of this subject are to teach students to: apply some of the basic concepts of rigid and deformable body mechanics learnt in previous subjects, and the more advanced concepts developed in this subject, to various mechanical applications; understand the interdependence of motion, forces, vibration and stress in mechanical applications; see how computer methods can complement a good understanding of the underlying theory when solving problems related to the previous point; and develop an aptitude in multiple-approach problem solving.

Specific subject content varies from semester to semester as it reflects student needs and interests and style of teacher, but is likely to include: elementary spatial kinematics and the design of unconstrained mechanisms such as constant velocity joints and

guidance linkages; systems of shafts and gears geometry together with associated lubrication, vibration and stress characteristics; the application of spatial dynamics to machine component motion where appropriate; problems associated with vehicle dynamics; stress analysis and methods of solid mechanics applied to various mechanical engineering applications; and modelling and computer methods including finite element analysis.

Typical availability

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48663 Advanced Manufacturing

6cp

Requisite(s): 48650 Mechanical Design 2 AND 48621 Manufacturing Engineering

Fields of practice: Mechanical Engineering program

Undergraduate

The objectives of this subject are to: understand the design and manufacturing processing of products in various environments ranging from low volume to high volume and with various levels of capital investment in the manufacturing system. The student is introduced to the modern concepts of quality management, including Taguchi methods, after looking at process quality control and its origins. Modern metrology equipment and methods are treated in a similar manner: modern equipment and methods and their origins.

The main part of the course is about the influence of the computer and computer systems on manufacturing. Firstly, students gain some experience with manufacturing in a CAD/CAM environment. Following this they investigate the viability of industrial robots in environments such as fabrication, welding and assembly. Topics such as: CIM, CAPP, JIT, GT, FMS, MRP, Toyota and Kanban are introduced in a project environment.

Typical availability

Autumn semester, City campus

48670 Mechanical and Mechatronic Design

6cp

Requisite(s): 48650 Mechanical Design 2

Fields of practice: Mechanical Engineering program

Undergraduate

This subject aims to extend students' competence in the design of engineered systems and components, as well as familiarising them with modern design approach methodologies. While the emphasis is on realistic engineering-team/client/boss interactions, need exploration, project development and delivery, this subject draws heavily on the expertise the students have developed up until this stage of the course. Furthermore, the subject aims to enhance and polish students' capabilities in dealing with human-centric aspects of the design process.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

48720 Network Fundamentals

6cp

Recommended studies: some knowledge of computer networking is useful but not essential

The objectives of this subject are to introduce students to the basic concepts and terminology used in telecommunication networks and a system-level view of network operation. Topics include: major players in telecommunication networks in Australia and the Asia-Pacific (operators, vendors, standard bodies, regulators, consumers, investment bankers); evolution of telecommunication networks; services and applications (voice, video, data, location-based services, multimedia, gaming, etc.); network protocols(TCP/IP, OSI); transmission and switching basics; transmission media; access networks, PSTN, internet (dial up, broadband and ISP), network security, mobile networks (2G, 2.5G, 3G, 4G), data networks (LANs and wireless LANs, WANs, SANs, PANs, enterprise networks), VoIP networks; and convergence in telecommunication networks, next generation networks (NGN), digital identity in networks.

48721 Strategic e-Business Technologies

6cp

The objectives of this subject are to introduce the basic concepts and terminology used in telecommunications engineering; to give basic, up-to-date, hands-on, technical skills; to familiarise students with the technology underlying the internet, telecommunications and electronic business, and to allow the students to make informed decisions about technology and system security.

Topics covered include: software (applications and operating systems, make or buy, ERP solutions, estimating, software engineering), PCs and office networks, analogue/digital, bandwidth, compression, codes, human factors, data communications, protocols, OSI model, the Public Switched Telephone Network, switched circuit and packet switching (T channels, ISDN, X25, Frame Relay, ATM, SONET, modems, ADSL), the internet (history, TCP/IP, WWW, Java, CGI, architectures, sockets, services, DNS, routing), wireless technologies (satellites, GSM), and security (purpose, threats, trust, authentication, encryption, SET, signatures, certificates).

48730 Network Security

6cp

Requisite(s): 48740 Communications Networks OR 31277 Routing and Internetworks OR 31471 Networking 2

Fields of practice: Telecommunications Engineering program

Undergraduate

Network security is a major issue for enterprises, with breaches of security possibly being punished by legal sanctions, financial loss, or loss of customer confidence. This subject consolidates the student's understanding of security by considering security principles from both a people management and a technical perspective. Topics covered include network security theories, such as RSA algorithm, security appliances such as firewalls, and Intrusion Detection Systems; security services such as confidentiality, integrity and authentication; and technologies such as IPSec, SSL, etc. Students doing this subject are well placed to contribute to the security solution of a modern organisation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48740 Communications Networks

6cp

Requisite(s): 48720 Network Fundamentals OR 31270 Networking Essentials

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Fields of practice: Telecommunications Engineering program

Undergraduate

This subject has been designed as a second subject in the networking thread of the ICT engineering undergraduate program. On completion of this subject, students have learned the skills to systematically analyse network operations and performance, and also have the ability to appreciate approaches in designing communication and computer networks. The first half of the subject concentrates on the study of communication architecture. Lectures provide students with the necessary background in understanding operations of TCP/IP, the mostly widely implemented protocol stack in computer networks, on a layer-by-layer basis. Topics include flow control; error detection and correction; packet switching; and routing and transport protocols. The second half of the subject concentrates on broadband switching technologies, networking design concepts and performance measures associated with integrated services networks. Topics include local area networks (LANs); wide area networks (WANs); networking devices (bridges, hubs and switches); internetworking; internet protocol; network security; distributed applications; and multimedia services. Students acquire a reasonable understanding of current standards and their role in relation to future developments.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48750 Network Planning and Management

6cp
Requisite(s): 48740 Communications Networks AND 33230 Mathematical Modelling 2
Fields of practice: Telecommunications Engineering program
Undergraduate

The objectives of this subject are for students to develop competencies needed for the planning and management of networks, particularly in the areas of traffic source modelling, performance analysis, dimensioning, simulation and management.

Students acquire a foundation in: modelling of traffic, including packet based systems; dimensioning of fixed networks and mobile networks; performance analysis of networks based on queuing theory; circuit switching networks; and packet switching networks.

Topics include: traffic source modelling; Markov chain theory; network design, planning, and dimensioning; introduction to teletraffic engineering; basics of traffic system design; traffic models for loss and delay systems; network optimisation through both stochastic and deterministic methods; client and server placement; mobile network optimisation; management based on SNMP and the MIB; and reliability of networks.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48770 Continuous Communications

6cp
Requisite(s): 48541 Signal Theory OR 48540 Signals and Systems
Fields of practice: Telecommunications Engineering program
Undergraduate

The objectives of this subject are to enable students to develop insight and understanding into continuous / analog communication systems including, but not limited to, the following topics:

- communications systems, spectrum and channel characteristics
- classes of signals, phasor representation and spectral analysis
- analysis and transmission of signals
- amplitude modulation and demodulation
- angle modulation and demodulation
- noise performance of analogue communication systems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48771 Discrete Communications

6cp
Requisite(s): 48541 Signal Theory
Fields of practice: Telecommunications Engineering program
Undergraduate

This subject aims to introduce the fundamental principles of efficient digital communication systems. Analog-to-digital conversion is introduced as a precursor to the discussions of digital data transmission modulation and digital transceiver design techniques. After completing the subject, students are able to:

- convert analog signals and process digital information for digital communication systems
- choose a digital modulation which is suited to the system requirements
- understand the techniques for multi-carrier digital communication systems
- analyse and understand linear distortive channels in digital communication systems
- choose an error detection or correction code which is suited to the system requirements, and understand the fundamentals of synchronisation in digital communication systems
- simulate a digital communication systems end-to-end (from the transmitting antenna to the receiver and display of the received data), and
- simulate the bit error rate performance of digital communication systems.

Topics include sampling of signals, digital modulation and demodulation, optimal detection, line coding and pulse shaping, digital transceivers and regenerative receivers determination, bit error rate analysis, simulation of digital transceivers, basic principles of information theory, error detection and correction coding, the power and bandwidth trade-off of digital modulation and coding types and multi-carrier systems in digital communication systems.

Typical availability

Spring semester, City campus

48780 Mobile Communications

6cp
Requisite(s): 48770 Continuous Communications

This subject aims to develop a coherent systems view of mobile communication systems, which is one of the fastest growing fields in the engineering world. It gives further context to telecommunications theory developed in prerequisite subjects by exploring practical examples of wireless communications systems. It particularly emphasises technical and other issues that distinguish mobile systems from other systems. Technical concepts which are at the core of design, and implementation of wireless cellular mobile communication systems are presented in order to help understand, appreciate and design current and evolving systems.

Throughout the subject students are encouraged to develop broader skills in methods of design, systems engineering, simulation, technical reading, teamwork and communications as well as developing and applying technical knowledge.

Broadly, the subject attempts to cover the fundamental design concepts behind cellular mobile communications. Topics include frequency reuse, macro, micro and pico cells, hand off, co-channel and adjacent channel interference, which are at the core of providing wireless communication service to subscribers on the move using limited radio spectrum are covered. Also issues such as trunking efficiency and how trunking and interference issues between mobiles and base stations combine to affect the overall capacity of cellular systems are highlighted. Also covered is how electromagnetic wave propagation concepts in outdoor and indoor environments are linked to the design of wireless communication systems. Propagation effects such as large scale path loss, log-normal shadowing, small scale fading, time delay spread and Doppler spread, etc., is highlighted from the point of view of design and analysis. The subject also covers digital modulation concepts, bit error rate analysis of fading channels, equalisation and diversity techniques. Access techniques such as FDMA, TDMA, CDMA and SDMA are introduced with a view to demonstrate as to how the capacity of the cellular systems are impacted by multiple access techniques. Design and standardisation issues of existing and evolving systems are also introduced.

Typical availability

Autumn semester, City campus

48821 Ecological Engineering

6cp
Requisite(s): 65111 Chemistry 1

Increasingly biological principles are being integrated as part of engineered systems to create innovative and effective design solutions. This subject teaches fundamental chemical, physical and biological principles which can be used to analyse data and formulate design solutions to environmental problems particularly related to water quality. The subject covers hydrology, soils, ecosystems, material balances, nutrient cycles, risk and water quality engineering. The way this knowledge is utilised by engineers for ecosystem restoration and engineered treatment systems is examined.

48840 Water Supply and Wastewater Engineering

6cp; 6hpw
Requisite(s): 48821 Ecological Engineering
Fields of practice: Civil Engineering and Environmental Engineering major
Undergraduate

This subject provides civil and environmental engineering students with a detailed knowledge of: (i) water pollution control objectives, (ii) the design of potable water and sewage treatment processes, (iii) sewerage and water reticulation systems, (iv) total water cycle management, and (v) the advanced technologies used in the upgrading of water and wastewater treatment plants, desalination and water and biosolids re-use.

At the completion of this subject, students understand: public health and environmental objectives in water supply and wastewater disposal; the design concepts for drinking water and sewage treatment plants; sewerage systems and water reticulation systems; and new technologies developed to meet the new water quality and water re-use objectives.

Typical availability

Spring semester, City campus

48850 Environmental Planning and Law

6cp

Requisite(s): 87 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 87 credit points in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 87 credit points in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 87 credit points in C10065 Bachelor of Engineering Bachelor of Business OR 87 credit points in C10066 Bachelor of Engineering Science OR 87 credit points C10067 Bachelor of Engineering OR 87 credit points in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 87 credit points in C10073 Bachelor of Engineering Bachelor of Science OR 87 credit points in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 87 credit points in C10075 Bachelor of Engineering Bachelor of Medical Science OR 87 credit points in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 87 credit points in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 87 credit points in C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Fields of practice: Environmental Engineering program

Undergraduate

The objectives of this subject are: to introduce key environmental law relating to water, waste, energy and land use issues; to give a sound understanding of the history of planning with particular emphasis being placed on the NSW experience; to develop awareness of planning legislation in NSW and the need to engineer within the constraints of that legislation; to provide knowledge of the planning process and constraints on land use planning; to develop skills to identify and deal with legal problems confronting engineers in industry; to develop the capacity to communicate in both written and verbal form when dealing with legal matters relating to the environment and land use planning; and to equip students with the skills necessary to deal with legal issues in the absence of detailed lecture material. This helps students to know when to ask questions or seek professional legal advice and to introduce them to the operation of the Land and Environment Court of NSW. Students cover the following topics.

- Environmental law: the operation of the Environment Protection Authority of NSW, water and waste legislation (*Clean Waters Act, Waste Minimisation Act*), air and noise legislation (*Clean Air Act, Noise Control Act*), miscellaneous environmental legislation addressing pollution issues (*Independent Pricing and Regulatory Tribunal Act*, *Sydney Water Corporatisation Act*), and selected court decisions relating to pollution and land use issues (*Protection of the Environment Operations Act 1997*).
- Environmental planning: evolution of human settlement, NSW environmental planning legislation, urban planning and sustainability, planning the neighbourhood, environmental studies, environmental impact assessment in NSW, project control and the environment.

Tutorial sessions are scheduled twice each week to discuss environmental law and planning issues using case studies. Students have to present a 10–15 minutes discussion paper on an environmental issue of an engineering nature, which assists in developing verbal communication skills and audiovisual equipment usage skills, as well as developing interdisciplinary teamwork skills.

Typical availability

Autumn semester, City campus

48860 Pollution Control and Waste Management

6cp

Requisite(s): 48840 Water Supply and Wastewater Engineering OR 48350 Environmental and Sanitation Engineering

Fields of practice: Environmental Engineering program

Undergraduate

The main objective of this subject is to provide the opportunity to understand the principles of pollution control and waste management in modern society. The subject develops an understanding of air and noise pollution control technologies, as well as better product or process design to mitigate the problems of air and noise pollution both in the automobile industry and other manufacturing industries. It also begins to tackle the problems of solid and hazardous waste minimisation, generation, treatment and disposal. Topics include solid waste characterisation, generation and composition analysis, development of optimum collection routing networks, transfer stations, design, operation and maintenance of sanitary landfills, and related social and environmental issues; hazardous waste generation, regulatory process, process information, toxicology, design of treatment and stabilisation methodologies, methods of disposal and related environmental issues, community perspective and education; soil contamination, chemical, biological and thermal remediation methodologies, site characterisation, planning, monitoring, containment and case studies; air pollutants and their types, sources, generation, measurements and estimations. Other topics include: control of the generation of specific air pollutants from the projects such as wastewater treatment works and waste management disposal sites. Some aspects of noise pollution and its control are also covered.

Typical availability

Autumn semester, City campus

48881 Water and Environmental Design

6cp

Requisite(s): (48362 Hydraulics and Hydrology AND 48840 Water Supply and Wastewater Engineering AND (144 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 144 credit points of completed study in C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 144 credit points of completed study in C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 144 credit points of completed study in C10065 Bachelor of Engineering Bachelor of Business OR 144 credit points of completed study in C10066 Bachelor of Engineering Science OR 144 credit points of completed study in C10067 Bachelor of Engineering OR 144 credit points of completed study in C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 144 credit points of completed study in C10073 Bachelor of Engineering Bachelor of Science OR 144 credit points of completed study in C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 144 credit points of completed study in C10075 Bachelor of Engineering Bachelor of Medical Science OR 144 credit points of completed study in C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 144 credit points of completed study in C10078 Bachelor of Engineering Bachelor of Biotechnology OR 144 credit points of completed study in C10079 Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice))

This subject provides students with the opportunity to undertake an integrated investigation and design of a water or environmental engineering project. This subject is the culmination of the study in environmental and water-related engineering subjects and seeks to teach students the investigation and design skills that are expected of an engineer. Students undertake problem investigation, requirements analysis, system design and detailed design for an engineered system which addresses an environmental/water problem. The design process requires integrating technical performance with social, environmental and economic outcomes. As part of this process, students develop team skills, an ability to incorporate system-wide requirements (e.g. safety, quality, maintenance) into an engineering design, and develop an appreciation of the impact of economic, legal, management and environmental influences on the engineering design process.

48901 Professional Service Project A

6cp; 6hpw, on campus

Engineering Practice

Undergraduate

This subject assists students enrolled in BE courses without the DipEngPrac to find a 12-week professional practice placement and prepare for the experiential learning that results from the placement.

As an Engineering-specific industry preparation subject – more applied than many traditional academic subjects – students are encouraged throughout to conduct themselves as if they are already in a professional work environment.

The subject is delivered as a series of seminars rather than in lecture-plus-tutorial format. As well as providing core knowledge, sessions incorporate skills development and other activities relevant to succeeding in a professional engineering environment.

Students should check their availability before enrolling in this subject, as failure to attend every scheduled seminar jeopardises both their learning and assessment success. Conversely, participating actively in all scheduled sessions permits students to take full advantage of a subject designed to enhance competence and confidence in professional practice and, ultimately, their employability as graduates.

The subject is delivered by UTS: Careers Service, and coordinated and owned by the Faculty of Engineering and IT.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48902 Professional Service Project B

6cp

This suite of subjects develops an appreciation of the service obligations and non-financial rewards associated with the award of professional status. Students participate in one or more professional service activities and thus build their understanding of the culture of engineering and the current debates surrounding it.

Students are required to analyse the impact of the activity on the recipient organisation and to evaluate the competence they need to be able to perform the service in a manner consistent with the Code of Ethics. In many cases, students work with professionals from non-engineering disciplines. This increases their awareness of engineers' interdependence on other professions as well as enhancing their experience in managing group dynamics.

Students gain an understanding of the role engineering plays in society and in particular the perception that the community at large has about engineering.

Students are able to volunteer for professional service projects throughout their course for which they receive a certificate.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48903 Professional Service Project C

4cp

This suite of subjects develops an appreciation of the service obligations and non-financial rewards associated with the award of professional status. Students participate in one or more professional service activities and thus build their understanding of the culture of engineering and the current debates surrounding it.

Students are required to analyse the impact of the activity on the recipient organisation and to evaluate the competence they need to be able to perform the service in a manner consistent with the Code of Ethics. In many cases, students work with professionals from non-engineering disciplines. This increases their awareness of engineers' interdependence on other professions as well as enhancing their experience in managing group dynamics.

Students gain an understanding of the role engineering plays in society and in particular the perception that the community at large has about engineering.

Students are able to volunteer for professional service projects throughout their course for which they receive a certificate.

Typical availability

Autumn semester, City campus

Spring semester, City campus

48904 Professional Service Project D

2cp

This suite of subjects develops an appreciation of the service obligations and non-financial rewards associated with the award of professional status. Students participate in one or more professional service activities and thus build their understanding of the culture of engineering and the current debates surrounding it.

Students are required to analyse the impact of the activity on the recipient organisation and to evaluate the competence they need to be able to perform the service in a manner consistent with the Code of Ethics. In many cases, students work with professionals from non-engineering disciplines. This increases their awareness of engineers' interdependence on other professions as well as enhancing their experience in managing group dynamics.

Students gain an understanding of the role engineering plays in society and in particular the perception that the community at large has about engineering.

Students are able to volunteer for professional service projects throughout their course for which they receive a certificate.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49001 Judgment and Decision Making

6cp; 3hpw; distance mode; availability: all courses (core for MEM)
Postgraduate

This subject develops understanding of rational decision aids in light of modern descriptive theories of judgment, choice and decision in organisations. The methods of management science, decision analysis and judgment analysis are presented, and models of individual, group and strategic decision-making are critically assessed.

Drawing on the insights of psychology, sociology and management science, this subject aims to inform you about the many facets of good judgment associated with decision-making.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

49002 Managing Projects

6cp; 3hpw on campus, distance; availability: all courses (core for MEM)
Engineering: Systems, Management and Leadership
Postgraduate

The subject introduces project management principles and tools. Students develop an understanding of management practices and their application to the successful performance of engineering projects and engineering works. What students learn in this subject enhances their ability to make and implement decisions for strategic and operational management within an engineering setting.

This subject is offered in two modes: standard and distance.

- In standard mode, students are expected to attend lectures and participate in class and group activities. Classes are three hours per week for one semester. Students are expected to enrol and remain in a particular session all semester.
- In distance mode, students undertake the subject without attending classes thus enabling those who would have difficulty attending, for geographic or other reasons, to undertake the study of the subject.

The subject's learning objectives and content are the same for both modes. There are, however, some differences in emphasis and assignment work because of the specific nature and constraints presented by the distance mode such as participating in presentations to staff and peers. While these aspects are mandatory for students participating in standard mode, they are not required for distance mode students.

The subject outline must be read read in conjunction with any subject instructions posted on UTSOnline in any specific semester. The instructions provide additional information and advice on any facet of the subject content, its administration and students' obligations.

It is mandatory that students obtain, read and comply with requirements of both the subject outline and any instructions posted on UTSOnline during the semester.

Students are expected to regularly check the UTSOnline page of the subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49003 Economic Evaluation

6cp; 3hpw; distance mode; availability: all courses (core for MEM), not available for undergraduate students
Postgraduate

This subject deals with the application of economic concepts to engineering decision-making. Main topics include: macroeconomic issues and policies; microeconomic market theory; theory of the firm; project evaluation and cost-benefit analysis; intangibles and risk.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

49004 Systems Engineering for Managers

6cp; standard; availability: all courses (core for MEM)
Postgraduate

In the multidisciplinary process of problem solving in engineering, systems engineering is seen as a unifying discipline. Drawing on contemporary scholarship and best practice, the philosophy, concepts, techniques and tools of the systems engineering process are examined in the context of engineering management, and their domain of applicability explored. The subject provides extensive opportunity for individual and group encounter with the challenges of the systems approach, and is illustrated by case studies presented by guest lecturers.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49006 Risk Management in Engineering

6cp; on campus, block mode; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops students' capability to identify, assess, improve and limit risk in the management and practice of engineering through the application of concepts and tools of risk engineering. On completion, students are able to identify hazards in an engineering project and design an appropriate risk management strategy.

Topics include: semantics of risk and hazard; risk as a social construct; principles of risk management; risk engineering; integrating risk controls within the engineering process; risk perception, risk communication and the acceptability of risk; legal principles relating to engineering risks; risk identification and assessment; hierarchy of risk control; risk benefit analysis; positive risk; and quantitative and qualitative risk assessment methods.

Typical availability

Autumn semester, City campus and distance

Spring semester, City campus and distance

49013 Managing Information Technology in Engineering

6cp; distance mode and Internet support; availability: all courses
Postgraduate

The aim of this subject is to explore the influence of information technology (IT) on organisations and management and in particular engineering management. Students critically examine both past and recent IT innovations. Issues in information technology extend into groupware, computer-aided logistic support, decisions support systems, tools for systems engineering, and communications technology including the internet. Students use a computer-mediated conferencing tool on the internet to participate in group project work either on or off campus. Most of the support material such as lectures is on the internet.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

49016 Technology and Innovation Management

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The goal of technology and innovation management is to effectively manage the invention, design, development, production, transfer and use of technology within an organisation. This subject brings together knowledge from engineering and management disciplines. Emphasis is placed on the importance of managing the performance of the entire product and process development cycle. Topics include: technological change management, assessment and evaluation of technology, technology policy development, and new product and process development. Within this framework, specific technology management tools and techniques are evaluated and applied. These include quality function deployment, design for manufacture, concurrent engineering and robust design methods.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, Hong Kong

49017 Graduate Project (30cp in 1 semester)

30cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional engineering manner and is professionally documented in a comprehensive report. The aims of the graduate project are to provide an opportunity for the student to demonstrate their capacity to bring together their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements. The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated. The planning, implementation and documentation of the project are supervised by a member of academic staff from the Faculty of Engineering and Information Technology. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49021 Evaluation of Infrastructure Investments

6cp; three modules, each two days; availability: all courses
Postgraduate

This subject develops the capability to appraise, analyse and evaluate energy investments within a multidisciplinary framework. Topics include: the context and rationale of project evaluation; characteristics of energy project investments; concepts and methods of financial and economic evaluation of energy investments; issues in cost-

benefit evaluation; treatment of risk, intangibles, and externalities; environmental considerations in project evaluation; multi-attribute evaluation frameworks; and case studies. Emphasis is placed on achieving depth and balance in all aspects of the evaluation process, with topical case studies providing an application focus.

Typical availability

Autumn semester, City campus

49022 Energy Resources and Technology

6cp; block attendance; availability: all courses
Postgraduate

Topics covered in this subject include energy resources and reserves; concepts and principles of resource assessment; regional, national and international resource requirements and availability; resource technology evaluation; and the economic and environmental impacts of resource use.

49023 Energy and Environmental Economics

6cp; three modules, each two days; availability: all courses
Postgraduate

Topics include: energy-economy-environment interactions; the micro model (demand, supply and markets); short-run and long-run energy pricing; shadow pricing of energy; the economics of non-renewable and renewable energy resources; intemporal allocation of resources; the economics of the environment; and economic and non-economic principles for environmental valuation. Emphasis is placed on achieving depth and balance in all aspects of the valuation principles, with topical case studies providing an application focus.

49024 Energy Modelling

6cp; three modules, each two days; availability: all courses
Postgraduate

This subject covers models and modelling; macroeconomic settings of energy-economy modelling; energy balances; energy input-output analysis; energy aggregating; energy system modelling, energy demand modelling; and modelling of energy economy interactions.

Typical availability

Spring semester, City campus

49025 Methods for Energy Analysis

6cp; three modules, each two days; availability: all courses
Postgraduate

This subject covers: probability concepts; sampling and estimation; regression analysis; statistical tests; analysis of variance; simultaneous equations; time series methods; econometric models and applications; and introduction to statistical packages.

Typical availability

Autumn semester, City campus

49026 Electricity Sector Planning and Restructuring

6cp; three modules, each two days; availability: all courses
Postgraduate

Topics covered in this subject include nature of electricity planning; economic and technological dimensions of power systems; generation planning and production costing; integrated resource planning; electricity sector restructuring – rationale, models and frameworks; electricity sector privatisation; electricity sector productivity; electricity markets; selected topics on issues relating to the environment, institutional structures, renewable resources, regulation, etc. Emphasis is placed on all aspects of electricity sector planning, restructuring and policy, with topical case studies providing an application focus.

Typical availability

Autumn semester, City campus

49027 Energy Demand Analysis and Forecasting

6cp; block attendance; availability: all courses
Postgraduate

This subject looks at the theoretical and analytical concepts and tools used for the understanding of energy demand generation and evolution in relation to socioeconomic development. Students learn methods and models of energy demand projections and explore the various considerations which must be made in the design, implementation and monitoring of an energy demand management policy.

Typical availability

Autumn semester, City campus

49028 Policy and Planning of Energy Conservation

6cp; block attendance; availability: all courses
Postgraduate

This subject introduces students to the rationale and context for energy conservation planning and policy; historical perspective of energy conservation; public and private sector interventions and mechanisms for rationalising the design of energy conservation policies; examples and case studies of energy conservation programs at national, sectoral and enterprise levels in developing and industrialised countries; and decision methods for program design.

Typical availability

Spring semester, City campus

49029 Environmental Policy for Energy Systems

6cp; block attendance; availability: all courses
Postgraduate

This subject introduces students to policy context; energy resource system analysis; approaches to environmental impact assessment; analysis of pollution effects and control technologies; risk analysis of energy systems; costs and benefits of environmental management; and institutional and regulatory issues.

Typical availability

Spring semester, City campus

49038 Professional Service Project (4cp)

4cp
Postgraduate

For further details, contact UTS: Engineering.

49047 Finite Element Analysis

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The Finite Element Method (FEM) provides the theoretical basis for computer simulation and analysis of a vast spectrum of engineering problems. The method is used primarily in the field of structural mechanics, to solve stress and vibration problems. Other non-structural mechanics applications of the method include thermal-, acoustic-, diffusion-, electrostatic- and electro-magnetic problems. This subject is intended as a first subject in finite elements and extends understanding of the method and its application to problems in solid / structural mechanics. Apart from an introduction to the theory of the FEM, it develops problem formulation and modelling skills using state of the art software. Topics include: matrix analysis methods; the derivation of element stiffness matrices of bar and beam elements as well as stiffness matrices of triangular and quadrilateral elements for plane elasticity; work equivalent loads and force matrices; the concept of natural coordinates and isoparametric element formulation; numerical integration and gauss points; finite element modelling techniques; and limitations, errors and solution accuracy of the FEM. The subject is also oriented toward users of the FEM and includes a hands-on laboratory component that requires the use of general purpose finite element programs in assignments or project work.

Typical availability

Spring semester, City campus

This subject is offered in odd years only; it will next be offered in 2013.

49048 Wireless Networking Technologies

6cp
Requisite(s): (48740 Communications Networks AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject aims to use knowledge about networks and protocols to develop a detailed understanding of how network functions, such as radio resource management, mobility management, and traffic management, are realised in current wireless networks. Students study the evolution, architecture, functionality, and operation of wireless networking technologies that exist in the market today. These technologies include GSM (Global System Mobile), GPRS (General Packet Radio System), 3G UMTS (Universal Mobile Telecommunication System), 4G, Wireless Local Area Networks (WLAN), and Mobile Network Layer.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49049 Air and Noise Pollution

6cp; block mode
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject has two components: air pollution and noise pollution.

The air pollution topics include: introduction to air pollution; air pollution effects on human health and the environment; air pollution measurement; air pollution control; indoor air quality; and air pollution and global climate change.

The noise pollution topics include: introduction to noise pollution; noise control engineering; vibration control; noise measurement; noise-induced hearing loss; and traffic noise.

Typical availability

Spring semester, City campus

49050 Graduate Project (12cp in 1 semester)

12cp; availability: not available in the MEng (C04090)
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional engineering manner and is professionally documented in a comprehensive report. The aim of the graduate project is to provide an opportunity for students to demonstrate their capacity to bring together their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements. The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated. The planning, implementation and documentation of the project are supervised by a member of academic staff from the UTS: Engineering. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49052 Graduate Project (18cp in 1 semester)

18cp; individual supervision; availability: Master of Engineering
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering and Information Technology, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the director of postgraduate coursework programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of students' concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49058 Graduate Project (24cp in 1 semester)

24cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional engineering manner and is professionally documented in a comprehensive report. The aims of the graduate project are to provide an opportunity for students to demonstrate their capacity to bring together their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements.

The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated.

The planning, implementation and documentation of the project are supervised by a member of academic staff from the UTS: Engineering. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49069 Leadership and Responsibility

6cp
Postgraduate

This subject develops an understanding of the role of engineering managers as responsible leaders in organisations. It focuses on the need to work through other people, not only subordinates and supervisors, but other managers and leaders. The subject provides a comprehensive review of leadership theory. It teaches that there exists many complex facets of leadership and emphasises the belief that one should not accept a position of trust without accepting the responsibility that goes with it.

However, the art of leadership cannot be learned solely from books or virtual cafes; it needs to be experienced and practised face-to-face. A central teaching element of this subject is class-based activities that require engagement, motivation, critical thinking, verbal communication, group participation and performance under time pressure.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

49082 Special Course A (2cp)

2cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49083 Special Course A (3cp)

3cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49084 Special Course A (4cp)

4cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49086 Special Course A (6cp)

6cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49092 Special Course B (2cp)

2cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the Director, Postgraduate Coursework Programs. Approval requires demonstration by the candidate to the Director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49093 Special Course B (3cp)

3cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49094 Special Course B (4cp)

4cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49096 Special Course B (6cp)

6cp; normally block attendance; availability: all courses
Postgraduate

This subject offers students maximum educational opportunity to benefit from short courses and other learning experiences available through the Faculty of Engineering and Information Technology. Enrolment for credit is approved by the director, postgraduate coursework programs. Approval requires demonstration by the candidate to the director of a special learning need or development opportunity consistent with the other requirements of the candidate's program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49098 Engineering Financial Control

6cp
Postgraduate

This subject introduces students to the basics of accounting and financial transactions. The subject is practice based and the transaction section is assessed by input accounting entries into the MYOB accounting system. Financial statements are then examined in detail and the process of accounting for equity and assets is explained. Ratio, breakeven and sensitivity analyses are performed on companies' financial statements to determine how well the businesses are performing.

A budgeted project plan is prepared and costed as part of the assessment and the working capital cycle is explored. Microsoft Project is used for the project budgeting assignment. Financial mathematics and discounted cash flow techniques are used to assess projects and investment decisions. Debt and equity from angels, venture capitalists, banks and informal investors are outlined as potential sources of funding for new projects and opportunities.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49102 Traffic and Transportation

6cp; block; availability: all courses
Requisite(s): (48370 Road and Transport Engineering AND (120 credit points into C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

The objective of this subject is to provide students with the knowledge to implement traffic engineering principles in local government in accordance with current practice in NSW. Student are introduced to standards adopted by the Roads and Traffic Authority NSW and Austroads. The subject provides the basic principles of transportation planning and comprehensive traffic engineering, including technical aspects and the influence of environmental legislation and political factors.

Typical availability

Autumn semester, City campus

49105 Water Supply and Wastewater Management

6cp; distance only; availability: all courses
Postgraduate

This subject concentrates on the design, operation and maintenance of municipal wastewater treatment plants, sewerage systems and water supply systems. At the completion of the subject, students understand drinking water and sewage treatment plants, sewerage systems and water reticulation systems in terms of purpose, basic design concepts, operation and maintenance, identifying and quantifying major problems, and operating these systems to avoid or overcome problems. Subject content includes statutory requirements, constituents and quality of wastewaters, description, operation and control of treatment process, performance monitoring, sewerage and water reticulation systems, troubleshooting and problem solving.

Typical availability

Autumn semester, City campus

49106 Road Engineering Practice

6cp; block; availability: all courses
Requisite(s): (48370 Road and Transport Engineering AND (120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

The aim of this subject is to equip students with the ability to design, construct and maintain roads in accordance with current practice in NSW. This includes pavement design, as well as the geometric design of roads. The subject embraces the standards adopted by the Roads and Traffic Authority NSW, AUSTROADS and the Australian Road Research Board. Particular attention is paid to the requirements of the residential street network. Students also develop an understanding of current issues in road engineering, particularly quality assurance contracts, road safety needs of pedestrians and cyclists, and the use of innovative techniques in road construction and maintenance.

Typical availability

Spring semester, City campus

49107 Urban Stormwater Design

6cp; block; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject aims to teach students to design urban drainage structures such as culverts, WSUD and OSD systems. Students also learn to design property, street pipe and trunk drainage systems. A further objective is to familiarise students with methods of urban drainage design set out in recent manuals, with an emphasis on flood protection and integration with stormwater quality enhancement. The subject also provides an overview of rural design flood estimation, erosion protection, flood mitigation and coastal engineering.

Typical availability

Autumn semester, City campus

49108 Local Government Powers and Practice

6cp; distance; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Note: This subject is not suitable for international and/or exchange students unless they plan to practise in NSW.

This subject aims to provide the local government engineer with the necessary skills to operate within the legal framework of legislative requirements and procedures governing local government in NSW; provide appropriate knowledge of the law, to operate effectively within environmental, economic, social and physical constraints; and provide the knowledge and expertise to manage the environment in a practical and effective manner. It covers the history of local government in NSW, the local government engineer as a senior officer, the *Local Government Act 1993* and companion legislation, Local Government Regulations and the *Roads Act 1993*.

Typical availability

Autumn semester, City campus

49109 Engineered Natural Water Treatment Systems

6cp; block, distance
Requisite(s): 120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Current approaches to environmental management of land and water resources increasingly focus on engineered natural systems for many types of wastewaters. They seek to enhance the natural biogeochemical environment for the treatment of hazardous contaminants. These systems include stabilisation ponds, effluent irrigation and wetlands. They are applied to stormwater management, septic effluent, and polluted surface and groundwater. The effective design of these systems requires the ability to predict the behavior of a chemical substance in a soil- or aquatic-based system. This subject examines a range of engineered natural systems and how the characteristics of various wastewaters impact upon contaminant reactivity within those engineered environmental systems. Students develop an understanding of the selection, design and operation of these systems.

Typical availability

Autumn semester, City campus and distance

49110 3G Mobile Communication Systems

6cp
Requisite(s): (49048 Wireless Networking Technologies AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject aims to use fundamental knowledge of 3G and UMTS (Universal Mobile Telecommunications System) to develop a detailed understanding of how services, network functions, radio and other network management techniques are realised in current UMTS networks. Participants study the evolution, architecture, functionality, and operation of 3G and UMTS technologies and future 4G technologies. The subject covers evolution of mobile communication, standardisation, UMTS services and applications, network architecture, WCDMA: principles, radio resource management, UMTS traffic management, UMTS signalling, UMTS network planning, HSDPA and LTE.

Typical availability

Spring semester, City campus

49113 Water Quality Modelling

6cp; block attendance; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject aims to develop students' understandings of the nature of pollution processes and of engineering systems for the reduction of pollution, particularly in receiving waters. Modelling using appropriate software packages such as MUSIC, STORM, QUAL2E and AQUALM-XP is undertaken in the computer laboratory and is also required in the assignments for this subject. The subject also teaches students how to develop their own application-specific, simple computer models for water quality using either spreadsheets or Microsoft VisualBasic, however prior programming experience with VisualBasic is not required for this subject. Pollution management systems are also explained in terms of social and technical requirements, investigation techniques such as monitoring and modelling, and the rationale for design and implementation of remedial measures. Students should gain an appreciation of the integration between pollution prevention and flood protection measures. They will become familiar with commonly used procedures and aware of problems encountered in practice. Hands-on experience with the MUSIC, STORM, QUAL2E and AQUALM-XP computer model will be provided.

Typical availability

Spring semester, City campus

49115 Facade Engineering

6cp
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to the concepts and techniques involved in facade engineering and their application to the design and procurement of cladding systems. A building's facade needs to satisfy a complex range of performance criteria, including the exclusion of adverse weather (wind and rain) and the moderating of heat, light, and sound. At the same time the facade needs to be durable and safe (structurally sound).

Students in this subject develop an understanding of the various types of facades such as masonry, concrete and glazed curtain walls, and the fundamental design principles that underpin their performance. In addition, this subject intends to bridge the gap between consultant and contractor in order to adopt a holistic approach toward the design and procurement of a building's facade.

The subject also aims to apply the principles learnt in structural engineering to building materials such as aluminium, glass, and structural adhesives that are commonly used in facade construction, together with the compatability and durability issues that they must satisfy.

Typical availability

Autumn semester, City campus

Offered in even years only. This subject will next be offered in Autumn 2012.

49116 Contaminated Site and Waste Remediation

6cp; block, distance
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

There is an increasing need to remediate contaminated sites and manage hazardous wastes. It can be technically challenging due to complex biogeochemical interactions between waste, rocks, water and microbes in response to physical and chemical manipulation. There is a need for remediation practitioners to be able to conceptualise these systems and simulate the processes involved. This subject examines a range of contaminant remediation systems, important geochemical processes and contaminants. An integral part of the subject is the application of geochemical modelling codes to practical remediation problems.

Typical availability

Spring semester, City campus

49117 Floodplain Risk Management in NSW

6cp; block; availability: postgraduate students only
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject aims to teach students the main elements of floodplain risk management (FRM) as practised in New South Wales. The FRM process in NSW provides for informed decision-making in the strategic management of flood risk through an appropriate:

- understanding of flood behaviour in the catchment in its current condition and in considering the long term development of the catchment
- understanding of the variation in hazard across the floodplain and its different sources and the associated consequences for existing and future development
- assessment of options to manage flood risk to existing development through mitigation measures from a broad perspective consistent with the NSW Flood Prone Land Policy
- assessment of options to develop the floodplain in consideration of flood hazard and behaviour to ensure that development extents and conditions are consistent with the maintenance of flood behaviour, the residual flood hazard and the objectives of the policy.

The subject is aimed at a wide body of students seeking a detailed knowledge and background in FRM and associated land use planning issues in NSW. The subject is supported by the NSW Department of Environment and Climate Change and the Floodplain Management Authorities of NSW.

Typical availability

Spring semester, City campus

49118 Applied Geotechnics

6cp
Requisite(s): (48330 Soil Behaviour AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

The purpose of this subject is to provide practical awareness and advanced problem solving techniques to students who wish to widen their analysis and design skills in the field of geotechnical engineering. The subject comprises lectures, design studies, laboratory sessions, detailed design projects and individual technical presentations. The syllabus covers revision of soil mechanics, foundation design, introduction to rock mechanics, geotechnical aspects of pavements, excavation methods and supporting systems, introduction to embankment dams, geotechnical aspects of landfills, tunnelling and laboratory testing techniques and limitations.

Typical availability

Spring semester, City campus

49119 Problematic Soils and Ground Improvement Techniques

6cp
Requisite(s): ((120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering) AND 48360 Geotechnical Engineering AND 48330 Soil Behaviour)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

The main purpose of this subject is to study the properties of problematic soils and the associated difficulties related to the construction of structures on these soils and also to introduce the design principles in ground improvement techniques. Major emphasis of this subject is on understanding the concept of failure in soil mechanics and being able to recommend suitable ground improvement methods for a range of problematic soils. Topics include classification of problematic soils, and the associated problems; design and construction methods including compaction, reinforcement, preloading, grouting, dynamic replacement, deep soil mixing, concrete columns, design and construction methods of slope stabilisation methods; as well as design and installation of monitoring devices to observe behaviour of the improved ground.

Typical availability

Autumn semester, City campus.

49121 Environmental Assessment and Planning

6cp; block, distance; availability: all courses (core for MEEM)
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject analyses the principles of sustainable development and the expectations it places on various aspects of human interaction with the environment. Existing and proposed measures by governments are examined in the areas of environmental legislation, environmental economics and land use planning in relation to sustainable development.

Typical availability

Spring semester, City campus

49122 Ecology and Sustainability

6cp; block, distance; availability: all courses (core for MEEM)
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The aim of this subject is for students to examine the fundamental principles of ecological systems and biodiversity, and in the context of ecological sustainable development gain an understanding of the effect of human impact on these systems. Environmental problems relating to air, water, soil and noise pollution, greenhouse and the disposal of solid and hazardous waste will be studied. Using local and regional case studies, students will learn to evaluate and develop strategies and management practices to achieve sustainable solutions for these problems and examine other areas such as ecotourism and industrial ecology.

Typical availability

Spring semester, City campus

49123 Waste and Pollution Management

6cp; block, distance; availability: all courses (core for MEEM)
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

In this subject waste minimisation and pollution control are treated in an integrated and comprehensive manner, permitting evaluation of benefits of waste minimisation to industry and of pollution reduction in the environment. Students are introduced to leading edge technologies of waste minimisation and pollution control such as membrane processes; raw materials extraction and refinement; product development including design, manufacture, use, re-use/recycling and environmental auditing of the product life cycle. An understanding of management techniques for solid/hazardous and liquid wastes is developed. Other topics comprehensively covered include institutional barriers to improving the technologies of waste technology and management practices adopted in domestic waste, the paper industry, metal plating industry, food and dairy industry, household waste and water recycling in buildings.

Typical availability

Autumn semester, City campus

49124 Water Quality Management

6cp; block, distance; availability: all courses (core for MEEM)
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The focus of this subject is integrated catchment management. It examines water systems including natural water bodies (streams, estuaries, groundwater), and related human infrastructure (water supply, sewerage and stormwater drainage systems), and provides an assessment of the impacts and methods of monitoring pollution in these environments in relation to water quality, natural flora and fauna, aesthetics and public health. It provides students with a general knowledge of these systems, their vulnerability to pollution and degradation, and remedial measures. Particular emphasis is given to water quality in urban environments.

Typical availability

Spring semester, City campus

49125 Environmental Risk Assessment

6cp; 3hpw; distance; availability: all courses (core for MEEM)
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The objectives of this subject are to introduce graduates working in environmental engineering, auditing or impact assessment, and senior undergraduates from any faculty, to the study of risk assessment in relation to environmental issues. Students gain an understanding of the concepts of risk perception, risk communication, risk acceptability and risk modification, and their application to impact assessment and environmental management planning decisions. Students also learn how to undertake as well as critically review risk assessment.

Typical availability

Spring semester, City campus

49126 Environmental Management of Land

6cp; block, distance; availability: all courses (core for MEEM)
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the basic concepts and principles of land resource compilation requirements for environmental planning and management.

Topics include management strategies for wetland development, coastal rehabilitation, as well as for landscapes with acid sulphate soil, salinity and contamination problems. Knowledge is also gained in environmental auditing and in visual assessment used in landscape design. On completion the student should be able to interpret and critically evaluate the affects of physical and social limitations on urban and semi-urban land use change and devise sustainable development and management strategies.

Typical availability

Autumn semester, City campus

49127 Decentralised Water and Wastewater Treatment

6cp; block attendance; availability: all courses
Requisite(s): (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering) AND (48350 Environmental and Sanitation Engineering OR 48840 Water Supply and Wastewater Engineering)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

Due to increased urban sprawl, the development of decentralised water and wastewater treatment systems is becoming more commonplace in unsewered parts of Australia. Decentralised systems have many advantages compared to centralised systems, for some circumstances. This subject introduces students to the differences in using centralised and decentralised systems and discusses different types of decentralised systems available for water supply and wastewater management for single households or small complexes of units. The subject introduces students to the different technical aspects and allows them to develop skills in the design and operation of these systems. This subject will also look at the overall management of water from water supply to wastewater generation, treatment, and re-use on-site through irrigation. One aspect of the subject is to look at the different types of systems available in Australia and understand the technology that is applied. Current environmental legislation related to decentralised wastewater treatment and disposal, its strengths and its shortcomings are also covered in this subject.

Typical availability

Spring semester, City campus

49131 Bridge Design

6cp; 2hpw block attendance; availability: all courses
Requisite(s): (48389 Computer Modelling and Design AND (120 Credit Points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject introduces students to the fundamentals of design, maintenance and management of road bridges, using a problem-based learning approach that focuses on extensive use of examples from practice and detailed case studies. Three essential themes are used to cover the course material: overview of appropriate structural forms for bridges; load and analysis models/methods for designing bridges and quantifying structural behaviour; and management of bridge assets, including inspection and assessment techniques and maintenance and rehabilitation technologies. The subject is unique in that it not only covers design issues for Australian conditions, but also addresses the critical area of maintenance and rehabilitation using 'state of the art' technologies. The course material has been developed jointly by specialist bridge engineers from the Centre for Built Infrastructure Research at UTS and bridge section of the Roads and Traffic Authority NSW.

Typical availability

Spring semester, City campus

49133 Steel and Composite Design

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: assumed knowledge is of structural steel design to AS4100 Steel Structures for beams, columns and beam-columns and also of the fundamentals of solid mechanics and of the structural analysis of indeterminate structures.
Postgraduate

Assumed knowledge is of structural steel design to AS4100 Steel Structures for beams, columns and beam-columns. With this basis of assumed knowledge, this subject introduces students to the plastic analysis of statically indeterminate steel beams and simple frames and the consequent design requirements of AS4100. The subject also introduces students to the analysis and design of composite steel and concrete beams to AS2327 Composite Structures, of concrete slabs acting compositely with permanent steel formwork, with some reference to AS4600 Cold Formed Steel Structures and, briefly, of composite columns and composite connections. Further, there may be an introduction to structural steel design for torsion.

Typical availability

This subject is not currently offered. Students interested in this subject are advised to consult with the head of the School of Civil and Environmental Engineering.

Note(s)

The requisite information presented in this subject description covers only academic requisites. Full details of enforced rules, covering both academic and admission requisites, are available at Access_conditions and My Student Admin.

49134 Structural Dynamics and Earthquake Engineering

6cp; 3hpw or block attendance; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces students to the concepts and techniques of structural dynamics and their application to the design and analysis of dynamically sensitive structures such as tall buildings, towers, chimneystacks and footbridges. Students develop: an understanding of the nature of dynamic (time varying) loads, with particular emphasis on earthquake loads; the ability to assess the response of civil engineering structures to such loads, taking into account load-structure interaction; and structural design approaches satisfying both strength and serviceability requirements.

Typical availability

Spring semester, City campus

49135 Wind Engineering

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject introduces basic concepts and fundamental principles in wind engineering and their application to structural design and analysis of structures, such as buildings, towers, chimney stacks and bridges, in accordance with strength and serviceability limit-states design criteria. On completion, students understand the nature of wind loads acting on buildings due to along and cross-wind actions, and be able to prevent aerodynamic instabilities such as flutter, galloping, torsional divergence and others by proper design. Wind tunnel testing techniques for determining wind-induced dynamic response of structures and cladding pressures are introduced, and the environmental effects of severe winds around buildings and other structures are studied in terms of human safety and comfort.

49136 Application of Timber in Engineering Structures

6cp; 3hpw; availability: all courses
Requisite(s): (48389 Computer Modelling and Design AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject presents recent advances that have enhanced the role of timber as a versatile renewable resource with a wide range of applications in engineered structures. It familiarises students with the structural behaviour of timber and timber-based manufactured products to facilitate the choice of materials, design, construction and maintenance procedures to produce cost-effective, durable and aesthetically pleasing structures. Quality control and reliability issues form an important focus. Particular requirements of residential large span industrial structures (including connection design), and multistorey buildings and bridges and the use of the limit-states version of AS1720 are addressed.

Typical availability

Spring semester, City campus

49143 Civil Engineering Review 1

6cp
Postgraduate

The subject description is available from UTS: Engineering.

49144 Civil Engineering Review 2

6cp

The subject description is available from UTS: Engineering.

49147 Graduate Project 30cp (Part 1 of 3) (6cp + 12cp + 12cp)

6cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and documented in a comprehensive report. It provides an opportunity for the student to demonstrate their capacity to bring together their advanced skills and knowledge gained as part of their coursework, and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements.

The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated.

The planning, implementation and documentation of the project are supervised by a member of UTS: Engineering academic staff. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49148 Graduate Project 30cp (Part 2 of 3) (6cp + 12cp + 12cp)

12cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and is documented in a comprehensive report. It provides an opportunity for students to demonstrate their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements.

The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way, to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated.

The planning, implementation and documentation of the project are supervised by a member of UTS: Engineering academic staff. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49149 Graduate Project 30cp (Part 3 of 3) (6cp + 12cp + 12cp)

12cp; individual supervision; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and is documented in a comprehensive report. It provides an opportunity for students to demonstrate their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements.

The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way, to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated.

The planning, implementation and documentation of the project are supervised by a member of UTS: Engineering academic staff. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49150 Prestressed Concrete Design

6cp; 3hpw; availability: all courses
Requisite(s): (48353 Concrete Design AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Recommended studies: knowledge of linear-elastic analysis of cracked and uncracked PSC sections, equivalent loads and load-balancing techniques for PSC beams, design to AS 3600 Concrete Structures for ultimate moment capacity, shear and strength at transfer of statically determinate PSC beams, and the fundamentals of the structural analysis of indeterminate structures
Postgraduate

It is assumed that students have a knowledge of linear elastic analysis of uncracked and cracked sections, equivalent loads and load balancing techniques and design for ultimate moment capacity and strength at transfer. On the basis of this assumed knowledge, analysis and design for shear and end block reinforcement in prestressed concrete beams will be covered initially; analysis and design of tension members, compression members, continuous beams and continuous flat slabs, in accordance with the requirements of the current version of AS3600 Concrete Structures will then be covered. In addition, the subject may also cover analysis and design for torsion or of bandbeam slab systems.

Typical availability

Spring semester, City campus

49151 Concrete Technology and Practice

6cp; 3hpw; availability: all courses
Requisite(s): ((120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering) AND 48352 Construction Materials)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject develops advanced engineering knowledge and capabilities pertaining to the specification, production, properties, testing and application of concrete as a construction material. Mini individual projects focusing on topics related to the subject content will form part of the learning process.

Topics include concrete fundamentals, concrete production and quality control, environmental concrete, deformation and cracking of concrete, testing of concrete and special concrete.

Typical availability

Spring semester, City campus

This subject is offered in odd years only; it will next be offered in 2013.

49153 Graduate Project 30cp (Part 1 of 2) (2 x 15cp)

15cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49154 Graduate Project 30cp (Part 2 of 2) (2 x 15cp)

15cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49155 Graduate Project 30cp (Part 1 of 3) (3 x 10cp)

10cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49156 Graduate Project 30cp (Part 2 of 3) (3 x 10cp)

10cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49157 Graduate Project 30cp (Part 3 of 3) (3 x 10cp)

10cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49183 Graduate Project 18cp (Part 1 of 2) (2 x 9cp)

9cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49184 Graduate Project 18cp (Part 2 of 2) (2 x 9cp)

9cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49187 Graduate Project 24cp (Part 1 of 2) (2 x 12cp)

12cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49188 Graduate Project 24cp (Part 2 of 2) (2 x 12cp)

12cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49189 Graduate Project 18cp (Part 1 of 3) (3 x 6cp)

6cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49190 Graduate Project 18cp (Part 2 of 3) (3 x 6cp)

6cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49191 Graduate Project 18cp (Part 3 of 3) (3 x 6cp)

6cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49192 Graduate Project 24cp (Part 1 of 3) (3 x 8cp)

8cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49193 Graduate Project 24cp (Part 2 of 3) (3 x 8cp)

8cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49194 Graduate Project 24cp (Part 3 of 3) (3 x 8cp)

8cp; individual supervision over one semester; availability: Master of Engineering, Master of Engineering Studies (Honours)
Postgraduate

The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board in Engineering, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course. The depth and extent of the project varies with credit-point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs. The project may involve: the development of new technology (hardware and/or software); the application of technology; research addressing a significant technical or engineering management issue or in special circumstances; and a critical review in the area of the student's concentration, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49195 Graduate Project 18cp (Part 1 of 2) (6cp + 12cp)

6cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and is documented in a comprehensive report. It provides an opportunity for students to demonstrate their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements. The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way, to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated. The planning, implementation and documentation of the project are supervised by a member of academic staff from the Faculty of Engineering and Information Technology. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49196 Graduate Project 18cp (Part 2 of 2) (6cp + 12cp)

12cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and is documented in a comprehensive report. It provides an opportunity for students to demonstrate their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements. The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way, to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated. The planning, implementation and documentation of the project are supervised by a member of academic staff from the Faculty of Engineering and Information Technology. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49197 Graduate Project 24cp (Part 1 of 2) (9cp + 15cp)

9cp; individual supervision; availability: Master of Engineering by coursework
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and is documented in a comprehensive report. It provides an opportunity for students to demonstrate their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements.

The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way, to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated.

The planning, implementation and documentation of the project are supervised by a member of UTS: Engineering academic staff. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

49198 Graduate Project 24cp (Part 2 of 2) (9cp + 15cp)

15cp; individual supervision; availability: Master of Engineering
Postgraduate

A graduate project is a significant body of engineering work that is conducted in a professional manner and is documented in a comprehensive report. It provides an opportunity for students to demonstrate their advanced skills and knowledge that have been gained as part of their coursework and apply these to a real-world engineering problem. The depth and extent of the project can vary with credit point requirements.

The project may involve the development of a new technology, product and/or process, or the application of existing technologies, products and methods in a new way, to solve a problem. In certain cases it may be appropriate to undertake a critical review of a method, ideas, a technology or combinations of these. In all cases it is vital that the project can demonstrate a 'value-added' component that the student has originated.

The planning, implementation and documentation of the project are supervised by a member of academic staff from the Faculty of Engineering. The scope of the work, the deliverables for assessment and the assessment criteria are negotiated between the student and the academic supervisor and documented in a learning contract that is signed by the student and supervisor(s) (and approved by the director of postgraduate coursework programs). Industry-based projects are highly encouraged and an additional industrial supervisor may be involved. The responsibility of finding a suitable project topic and an academic supervisor rests with the student.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

49201 Integrated Services Networks

6cp; 3hpw; availability: all courses
Requisite(s): (48740 Communications Networks AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Recommended studies: familiarity with TCP/IP and general networking concepts
Postgraduate

This subject gives students a thorough understanding of the fundamental concepts of telecommunication networks designed to carry multiple classes of traffic simultaneously, with the focus being on the provision of services for carrier-class networks. Design and analysis techniques are studied, as well as particular technologies such as ISDN, ATM, SONET, SDH, HFC, ADSL, FTTC, FTTH, PON, GigE, MPLS and IP-VPNs, with the emphasis being on IP/MPLS infrastructures and services.

Typical availability

Spring semester, City campus

49202 Communication Protocols

6cp; 3hpw; availability: all courses
Requisite(s): (48740 Communications Networks AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

Students completing this subject have a good understanding of the theory of communication protocols, its application to popular protocols, in particular TCP/IP, and in the analysis of performance and troubleshooting protocol issues in large carrier-grade networks. A significant laboratory component allows students to gain deeper insights into the theory through the use of the Wireshark packet sniffing application. The Alcatel-Lucent course from the service router certification program (www.alcatel-lucent.com/src) 3FL30632AAAAZZZZA (called scalable IP networks) has been integrated into this subject and allows students (together with an optional two-day short course and external exam) to gain the Networking Routing Specialist 1 (NRS1) industry certification.

Study of an additional three UTS subjects (49201, 42902, 42903), another two-day short course, three external exams and one lab exam allows students to gain the NRS2 industry certification.

Typical availability

Autumn semester, City campus

49203 Telecommunications Signal Processing

6cp; 3hpw, distance; availability: Telecommunications major only
Requisite(s): (48770 Continuous Communications AND (120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject focuses on one aspect of telecommunications signal processing: source coding of images and audio. Incorporated in this main topic are characterisation of random signals using autocorrelation function and power spectral density, optimal linear prediction of signals (including Wiener filtering), quantisation of signals using pulse coding modulation, and differential pulse code modulation, linear transforms (Discrete Fourier Transform, Discrete Cosine Transform, Karhunen-Loeve Transform), sub-band coding transforms and lossless compression. These topics are brought together with an in-depth examination of JPEG coding of images. Finally, the implementation of various other compression methods, including MPEG-2, MPEG-4, MPEG-audio and various techniques of speech coding, is discussed.

Typical availability

Autumn semester, City campus

49205 Transmission Systems

6cp; 3hpw; availability: all courses
Requisite(s): (48750 Network Planning and Management AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject aims to give students a thorough understanding of the physical layer of modern telecommunication systems. This includes systems that transmit through wires, free space (both terrestrial and satellite systems), co-axial cables and optic fibres. The subject focuses on current technologies such as Ethernet, broadband access technologies, passive optical networks, and to some extent, cellular wireless systems (although these are covered in much more detail in other subjects).

Typical availability

Autumn semester, City campus

49215 Telecommunications Industry Management

6cp; 3hpw; availability: all courses
Requisite(s): (48750 Network Planning and Management AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

The subject provides an understanding of commercial issues with particular reference to the global telecommunications industry. It is the subject objective to help engineers in their working careers to participate in business discussions within larger organisations and to assume a wider managerial and organisation role. In smaller enterprises or in individual engineering projects, financial and commercial knowledge will allow engineers to gauge the economic and marketing viability of a technical undertaking. The subject covers the socioeconomic environment and commercial and managerial aspects of a telecommunications enterprise. Financial considerations of the telecommunications sector and of interconnect issues are discussed.

Typical availability

Spring semester, City campus

49223 Satellite Communication Systems

6cp; availability: Telecommunications Engineering program only
Requisite(s): (48740 Communications Networks AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject focuses on satellite and earth station design principles including geostationary, medium earth orbit, and low earth orbit communication systems. Topics include an introduction to communication satellites, tracking, satellite system architecture, and design and performance trade-off issues.

Typical availability

Spring semester, City campus

49225 Software Project Management

6cp; 3hpw or block attendance or part-time; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: 49265 Software Technologies
Postgraduate

This subject aims to present and develop the confidence and software project management skills required to become effective project team leaders and potential project managers. The course covers such concepts as team constitution, business aspects, technical organisations charts and cost estimates, scheduling and monitoring, and maintenance. The course proposes an analysis of existing software project management tools and groupware technologies. Apart from the theoretical presentations, much time is given to participants reviewing their past experience and doing illustrative exercises.

Typical availability

Spring semester, City campus

49227 Wireless Sensor Networks

6cp
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

Wireless sensor networks are distributed systems, in which autonomous devices, sometimes called Motes, collect environmental data (such as location, speed, temperature, humidity and sound level) or, more recently, medical data (such as heart rate, blood oxygen level and pulse rate). The data is collected across the network, aggregated and fed into business applications. Sensor networks are an enabler for very different applications, including environmental monitoring, agricultural monitoring, medical monitoring, habitat monitoring and military surveillance.

49228 Enabling e-Business Technology

6cp
Postgraduate

For further details, contact UTS: Engineering.

49238 Telecommunication Networks Management

6cp; 3hpw; availability: Telecommunications Engineering program only
Requisite(s): (48740 Communications Networks AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject is designed for telecommunications engineers working with telecommunications carriers and suppliers of hardware and software infrastructure that supports the provision of telecommunications services to clients. It begins with an historical overview of the evolution of telecommunications networks with particular emphasis on the deregulated environment that has been the characteristic of the last decade. The role of standards making bodies to ensure inter-operability is highlighted. The bulk of the subject examines the technical details of particular standards such as SNMP, TMN and CORBA. The subject concludes with an examination of future challenges associated with the operation of very large scale distributed systems and a look at current vendor solutions.

Typical availability

Spring semester, City campus

49247 Object-oriented Technology

6cp; 3hpw
Requisite(s): 120 credit points of completed study in Completion of 120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in Completion of 120 credit points in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in Completion of 120 credit points in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject utilises Java Language and aims to equip students with techniques and knowledge of methods of building small to large software systems using an object-oriented focus, based on standards, common industry practices and formal methods. OOT&J employs object orientation from requirements analysis, software design (high and low level) represented in standard notation as employed by UML, then by using automatic techniques as employed by modelling systems, such as Rational Rose, into software classes, methods and data structures. All this is taught independently of any object-oriented (OO) software language. From this beginning, the subject then has three basic streams: the teaching and practice in an OO software language - the Java Language; various methods in data structuring using an OO database system and the definition and use of software class libraries (for the Java language).

49249 Telecommunications Engineering Review

6cp
Postgraduate

The subject description is available from UTS: Engineering.

Typical availability

Autumn semester, City campus
Spring semester, City campus

49254 Advanced Soil Mechanics and Foundation Design

6cp
Requisite(s): ((120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering) AND 48360 Geotechnical Engineering)
These requisites may not apply to students in certain courses. See access conditions.

The main purpose of this subject is to study the latest theoretical and experimental approaches for solving problems in the broad area of soil mechanics including stress-strain analysis and consolidation theory as well as design of shallow and deep foundations under combined vertical and horizontal loads. This subject covers many interesting issues including: critical state soil mechanics, soil plasticity, unsaturated soil mechanics, soil dynamics and earthquake geotechnics, elastic and visco-plastic deformation of footings, pile group and piled raft design, pile driving test and design and construction of caissons.

Typical availability

Spring semester, City campus

49255 Catchment Modelling

6cp
Requisite(s): ((120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering) AND 48362 Hydraulics and Hydrology)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject is an introduction to the concepts and reductionist approach involved in the modelling of catchment processes influencing the quantity and quality of surface runoff from a catchment. Also introduced are the different forms of models, how these models are combined to provide a catchment modelling system, and implementation of catchment modelling systems inclusive of the

calibration and validation of the system. Included in this discussion is an introduction to the processes influencing the generation and movement of surface runoff and pollutant constituents, and the routing of these flows and constituents along the channels and rivers in a catchment drainage network. Finally, the information and data required for operation of these modelling systems and sources of this information are also discussed.

Typical availability

Spring semester, City campus

49256 Flood Estimation

6cp
Requisite(s): (48362 Hydraulics and Hydrology AND (120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

The first part of the subject provides an introduction to and background on design flood estimation. Following on from this is a discussion of the frequency analysis of hydrological data (inclusive of climatic and flow data). Some of the more popular statistical models using flood frequency analysis are presented together with their application. Finally, techniques for flood flow estimation in the absence of historical data is presented; these techniques include aspects related to design rainfall data; regional flood methods; and estimation of extremes.

Typical availability

Autumn semester, City campus

49257 Geographic Information Systems

6cp
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject introduces students to the use and potential of geographic information systems (GIS) mostly in engineering projects. The lectures cover general concepts of GIS and introduce the material of the exercises that are designed to provide hands-on experience using the ArcGIS software package. The subject also covers data acquisition using mobile GIS and GPS for the purpose of site selection, site mapping, data processing and analysis. In addition, principles of environmental and spatial modelling are discussed and illustrated by case studies including water balance modelling, groundwater modelling and digital terrain modelling.

Typical availability

Autumn semester, City campus

49258 Pavement Analysis and Design

6cp
Requisite(s): ((120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering) AND 48330 Soil Behaviour)
These requisites may not apply to students in certain courses. See access conditions.

Solid knowledge of and ability to analyse and design different types of pavements together with their material characterisation, construction aspects, maintenance and management are considered necessary for those who would like to work in the field of geotechnical engineering. The syllabus covers: an introduction to basic types of pavements (bituminous, concrete and interlocking concrete pavers); stress and strain analysis of rigid and flexible pavements; pavement materials; drainage design; design of rigid and flexible pavements; pavement maintenance and management systems; and also pavement construction techniques and limitations.

Typical availability

Spring semester, City campus

49261 Biomedical Instrumentation

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject covers general concepts applicable to the design of all medical instrumentation systems, the measurement of biopotentials and critical-care analyses for diagnostic purposes, and the design of biomedical devices for therapeutic purposes. The subject includes three modules covering sensors and amplifiers, vital sign monitoring for diagnostic purposes, and physiological intervention/closed-loop control.

Typical availability

Spring semester, City campus

49262 Web Technologies

6cp; 3hpw
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: 49265 Software Technologies
Postgraduate

This subject covers current and future web technologies and the design, development and management of web-based systems.

The following material is covered: information concepts; web development processes; web system design models and methods; web modelling frameworks; web system architectures; web system quality; web evaluation; scoping of web projects; development risks; social issues; web programming languages and web application frameworks; PHP and MySQL; internet of things; cloud computing and big data; mobile computing; and HTML5.

Typical availability

Autumn semester, City campus
Spring semester, City campus

49274 Advanced Robotics

6cp; 3hpw; availability: all courses
Requisite(s): ((120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering OR 120 Credit Points in spk(s): C10062 Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10063 Bachelor of Engineering Bachelor of Arts in International Studies OR 120 Credit Points in spk(s): C10065 Bachelor of Engineering Bachelor of Business OR 120 Credit Points in spk(s): C10068 Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10073 Bachelor of Engineering Bachelor of Science OR 120 Credit Points in spk(s): C10074 Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10075 Bachelor of Engineering Bachelor of Medical Science OR 120 Credit Points in spk(s): C10076 Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10078 Bachelor of Engineering Bachelor of Biotechnology OR 120 Credit Points in spk(s): C10079

Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice) AND (48430 Embedded C OR 48623 Mechatronics 2) AND 48531 Electromechanical Automation)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject presents a broad overview of the technologies associated with mobile and industrial robots. Major topics covered are sensing, mapping, navigation and control of mobile robots and kinematics and control of industrial robots. The subject consists of a series of lectures on robot fundamentals and case studies on practical robot systems. Material covered in lectures is illustrated through laboratory assignments. The objective of the course is to provide students with the essential skills necessary to be able to develop robotic systems for practical applications.

Typical availability

Spring semester, City campus

49275 Neural Networks and Fuzzy Logic

6cp; 3hpw, on campus; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The principal objective of this subject is to introduce students to neural networks and fuzzy theory from an engineering perspective. In the identification and control of dynamic systems, neural networks and fuzzy systems can be implemented as model-free estimators and/or controllers. As trainable dynamic systems, these intelligent control systems can learn from experience with numerical and linguistic sample data.

Typical availability

Autumn semester, City campus

49285 Emergency Management

6cp; 3hpw
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject aims to teach students the main elements of emergency management for natural disasters and, to a lesser degree, terrorist attack. Students gain an understanding of the principles involved in emergency management, their application and interaction with the disaster recovery process of an effected community after a natural disaster or terrorist attack. The subject also provides insight into planning issues deployed to minimise disaster incidents. Areas of speciality within the emergency management guidelines such as floods, bushfires, etc., are covered and tailored in each course to the majority of students' working backgrounds. A practical demonstration of emergency exercise planning relating to a building collapse is also provided.

49286 Vehicle Design

6cp
Requisite(s): 48640 Machine Dynamics AND 48642 Strength of Engineering Materials AND 48650 Mechanical Design 2
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Engineering.

49306 Quality and Operations Management Systems

6cp; 3hpw; on campus, distance (distance mode is not suitable for international students); availability: all courses
Postgraduate

This subject helps students understand how to design, develop and implement operational management systems including the quality, environmental, safety, and risk management systems and how to achieve certification of the operational management systems according to the Australian and International Standards (ASNZS and ISO). The subject develops an understanding of the means of defining the structure of operational management systems in manufacturing and service organisations, determining what resources are needed to complete the documentation and the evaluation of operational management systems. It also highlights the use of an effective operational management system for continuous quality improvement.

Students with limited work experience and knowledge of these systems may find the study of ASNZS and ISO standards somewhat challenging. Thus, although this subject is available in distance study mode, it is highly recommended that these students enrol in the on campus mode and regularly attend the lectures where standards and other study materials are thoroughly discussed and studied in a team learning environment (group class exercises).

Typical availability

Autumn semester, City campus

Spring semester, City campus

49307 Internal Combustion Engines

6cp; 3hpw; availability: all courses
Requisite(s): (48651 Thermodynamics AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject emphasises solutions to environmental and energy resource problems related to internal combustion (IC) engine design, development and utilisation. It introduces a pragmatic engineering field of internal combustion engines and provides opportunities to students to develop an understanding of the applications of IC engines in environmental protection, transportation, electricity generation and other areas.

49309 Quality Planning and Analysis

6cp; 3hpw; on campus, distance (distance mode is not suitable for international students); availability: all courses
Postgraduate

Quality is one of the main success factors for organisations, whether they operate in manufacturing or service and transactional sectors. A sound quality management system, based on modern and up-to-date quality planning and analysis tools and techniques, reduces rejects, warranty claims and the need for costly rework. It helps to preserve customer goodwill and builds a brand loyalty based on objective criteria rather than illusions.

Topics covered in this subject include:

- quality and its modern definition
- analysis of customer needs and customer satisfaction
- integrating quality into design of products and services
- managing supplier relations and quality of supplies
- monitoring and statistical analysis of process quality, and
- continuous quality improvement methods and programs.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Hong Kong

Spring semester, Hong Kong

Summer session, Hong Kong

Winter session, Hong Kong

49312 Advanced Flow Modelling

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

Computational fluid dynamics (CFD) is a cornerstone of modern engineering and a technology which is regarded as crucial to the success of the major economies. Along with more traditional modelling techniques, this subject provides exposure to the numerical methods in CFD computer codes and experience in the practical application of commercial CFD packages. Importantly, it develops in students skill in the evaluation of the solution integrity. The subject culminates in a major project of the students' own choosing. On completion, students should have proficiency to undertake leadership roles in this exciting new field across the entire engineering spectrum and, in particular, in the mechanical, aeronautical, civil and environmental context. The subject has particular relevance to the design of vehicles, buildings, structures, engines, turbomachinery, manufacturing processes, heat transfer, combustion behaviour, pollutant dispersal, weather patterns, ocean currents and biomedical phenomena.

49316 Materials Handling

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The materials handling industry is very broad, covering almost all industries including mining, mineral processing, agricultural production, food processing, power production, chemical processing, manufacturing, packaging, pharmaceutical production and many others. Since the industrial revolution, people have made increasing use of mechanical methods of handling materials. This has been to such an extent that in the Western world almost everything, including food, raw materials, building materials and finished products, has probably been mechanically handled many times before it reaches the consumer.

This subjects covers the main systems and methods of mechanical handling of materials, both bulk solids handling and discrete handling of products and goods.

Topics include: screw, belt and bucket conveyors and elevators; pneumatic and hydraulic conveying of bulk solids; storage systems; and feeding, sampling and weighing of materials and systems for handling artefacts, factory products and packaged goods.

Typical availability

Autumn semester, City campus

49321 Energy Conversion

6cp; 3hpw
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Topics for the subject include three kinds of conversion systems: renewable (direct and indirect solar, wind, hydro, biomass and tidal), alternative (hydrogen and methanol) and non-renewable (coal, petroleum and natural gas) systems. Aspects to be covered include technological (thermal design concepts), economic (cost and efficiency) and environmental (climate changes, greenhouse effects, pollution and life cycle) analysis of energy conversion systems.

From an Australian perspective, the subject considers future developments for energy supply, using solar energy, wind turbines, water turbines, steam turbines, gas turbines, internal combustion engines and fuel cells relevant to social and environmental criteria.

Typical availability

Autumn semester, City campus

49322 Airconditioning

6cp; 3hpw; availability: all courses
Requisite(s): (48651 Thermodynamics AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

Airconditioning systems are required by modern society and promoted by high technology to be functional, well-controlled, energy-efficient and environmentally friendly, in maintaining human comfort and health as well as industrial productivity. The objectives of this subject are: to advance student understanding of refrigeration and airconditioning systems; to develop basic skills for carrying out the design and construction of airconditioning for buildings; and to enhance knowledge of energy conservation and management as applicable to airconditioning systems.

Topics include principles of thermodynamics and heat transfer, airconditioning systems and components, design criteria and standards, psychometry and airconditioning processing, refrigeration, load estimation, computer software for load estimation, duct and pipe design, control system, noise and pollution.

Typical availability

Autumn semester, City campus

49323 Vibration Analysis

6cp; 3hpw; availability: all courses
Requisite(s): ((120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering) AND 48642 Strength of Engineering Materials AND 48660 Dynamics and Control)
These requisites may not apply to students in certain courses. See access conditions.
Recommended studies: 48660 Dynamics and Control; 48642 Strength of Engineering Materials
Postgraduate

This subject extends students' understanding of vibration theory and its application to problems encountered in mechanical and structural engineering. It focuses on learning and practising the techniques and skills most frequently used in engineering practice. After a brief revision of basic vibration theory for single-degree-of-freedom systems, the subject moves on to multiple-degree-of-freedom systems, modal analysis, torsional vibration, approximation and numerical methods for transverse vibration including influence coefficient methods, transfer matrix method and finite element methods. Applications include vibration reduction by passive and active means, design of vehicle suspension systems, experimental modal analysis, rotor dynamics and spin stability and analysis.

Typical availability

Autumn semester, City campus

49325 Computer-aided Mechanical Design

6cp; 3 x 1.5 days (block mode); availability: all courses
Requisite(s): 120 Credit Points in spk(s): C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject extends the development of students' design skills. Students use computer-aided methods to complement and enhance the analytical and theoretical skills and knowledge obtained in

undergraduate subjects and in practice. Mechanical system simulation software is used for designing mechanical systems and controls, and to introduce virtual prototyping. A finite element analysis program is used for analysing stresses in mechanical components. Although commercially available software is used, students are not simply trained in the use of that particular program. Rather, the objective of the subject is that students understand the general approach to computer-aided engineering and the importance of having a sound knowledge of the fundamental mechanics.

Typical availability

Spring semester, City campus

49328 Turbomachines

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Turbomachines like pumps, fans, turbines and compressors constitute a large class of fluid-moving and energy-transfer machines which are found virtually everywhere in modern societies. This subject aims to develop competence in the analysis and design of these machines and the systems of which they are parts. Key concepts and fundamental principles underlying their operation and design are covered. Factors pertaining to their selection and performance prediction are treated.

Typical availability

Spring semester, City campus

49329 Control of Mechatronic Systems

6cp
Requisite(s): (48660 Dynamics and Control AND (120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.

The objectives of this subject are to develop students' skill in understanding fundamental principles in the analysis and control of mechatronic systems, familiarise students with different advanced control techniques and teach students to be able to apply computer-based tools for practical control system design applications. Topics include state-space modelling of linear and nonlinear systems, stability, controllability and observability, linear quadratic control, observer design, H-infinity control, model predictive control, neural network control and fuzzy logic control. Case studies of engineering applications are also covered.

Typical availability

Spring semester, City campus

49330 Sensors and Signal Processing

6cp
Requisite(s): (48623 Mechatronics 2 AND (120 credit points in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 Credit Points in spk(s): C10066 Bachelor of Engineering Science OR 120 Credit Points in spk(s): C10067 Bachelor of Engineering))
These requisites may not apply to students in certain courses. See access conditions.

The objectives of this subject are to develop students' theoretical and practical understanding on active and passive sensing, sensor selection, evaluation, modelling, interfacing, signal processing, imaging and image processing. Topics include modulation techniques, filtering and convolution, frequency domain analysis, visual imaging and image processing, infrared imaging, passive microwave imaging, time of flight (TOF) measurement, radio tags and transponders, range tacking, doppler measurement and phase measurement. Some advanced topics such as probability of detection, angle measurement and tracking, frequency modulation, wide aperture methods, Synthetic Aperture Methods (SAR) and 3D imaging are also included.

Typical availability

Autumn semester, City campus

49655 Integrated Logistic Support

6cp; block (typically 2 x 2-day blocks)
Postgraduate

Effectiveness of engineered systems is often judged by the extent to which they fulfil their intended purpose. In order for any engineered system to fulfil its purpose in a sustained manner, the system itself must be sustained and supported. This role invariable is assigned to a 'support system'. This means that this support system must be envisaged, created and used with just as much care, thought and rigour as the system it supports. Integrated Logistics Support (ILS) is a key discipline that allows dealing with this requirement when developing, using and managing a support system. It allows the highlighting of the factors that are crucial to mission success at an early stage, using a life-cycle-based approach, and ensures that these factors are appropriately encapsulated in any system acquisition and operation.

This subject provides students with an introduction to ILS. It uses concepts from systems thinking and engineering to contextualise ILS and its importance in systems development, management and support. Students are encouraged to consider the applicability of concepts and techniques used to support various systems and their value in dealing with complexity.

49678 Reliability Availability and Maintainability

6cp; 2 x 2-day blocks; availability: postgraduate students only
Postgraduate

Effectiveness of engineered systems is often judged by the extent to which they fulfil their intended purpose. For this to happen a system must be available when required and be able to be used reliably, consistent with operational needs. This subject explores the concepts of Reliability, Availability and Maintainability (RAM), and the relationships between them. RAM directly affect the effectiveness of a system.

The approach taken to understanding the concepts include a treatment of each of the factors separately, together with a consideration of the relationships between them, so that a systemic view of RAM is obtained. Students are encouraged to consider the applicability of concepts and techniques used to their own experience in system acquisition and support.

Typical availability

Spring semester, City campus

49679 Logistic Support Analysis

6cp

For further details, contact UTS: Engineering.

49680 Value Chain Engineering Systems

6cp
Postgraduate

Value chains have become the central feature of operations management in applying engineering systems to commercial and industrial processes in the modern economy. The emphasis in this subject is on the action 'to engineer' through holistically drawing upon the full range of sciences from engineering, information technology and service sciences, management and operations strategy. The goal is to engineer value chains for productivity, quality, performance, compliance, growth, risk-sharing and learning improvement.

49701 Gas Sector Planning

6cp; block attendance; availability: all courses
Postgraduate

This subject aims to develop an understanding of the nature, characteristics and methods of gas sector planning. Topics include: nature of gas sector planning; planning perspectives; planning concepts and methods; economic and technological dimensions of gas sector planning and operation; integrated resource planning; institutional structures and ownership of the gas industry; regulatory issues; gas pricing; social, environmental and political dimensions of gas planning; and other selected topics. Emphasis is placed on achieving depth and balance in all major aspects of gas sector planning and policy, with topical case studies providing an application focus.

49702 Gas Distribution Technology and Management

6cp; block attendance; availability: all courses
Postgraduate

This subject aims to introduce the principles, concepts and methods of designing, operating and managing gas distribution systems with due regard for security, safety and other related aspects. Topics include general overview of gas distribution; typical features of gas distribution systems; gas distribution technologies; gas distribution network design; construction of gas distribution systems; network operational practices and procedures; maintenance and safety issues; management of gas distribution networks; marketing issues and technological trends. Emphasis is placed on achieving depth and balance in all aspects of the design and development of gas distribution networks, with topical case studies providing an application focus.

49703 Selected Topics (Energy Pricing)

6cp; block attendance; availability: consent of subject coordinator required
Postgraduate

This subject aims to develop in students an understanding of the microeconomic principles and methods of energy pricing. Topics include microeconomic foundations of energy pricing; demand, supply and demand-supply interactions under various market conditions; pricing as a planning tool; pricing and efficiency; methods of pricing; and case studies on the pricing of electricity, gas, oil and other energy resources.

49706 Regulatory Economics

6cp; block attendance; availability: Energy Planning and Policy core subject
Postgraduate

This subject focuses on developing an understanding of the economics of regulation, and methods and principles of regulation design for the energy sector and other sectors of the economy. Topics include: historical overview of regulation; drivers for regulation; costs and benefits of regulation; impacts of regulation; institutional structure, ownership and regulation; regulatory frameworks; regulation design; policy issues and politics of regulation; case studies on regulatory aspects will be provided from the energy section and other sectors of the economy.

Typical availability

Spring semester, City campus

49723 Research Dissertation 1 (EIT)

24cp; availability: research students from overseas universities

This subject is designed for research students from overseas universities who wish to complete part of their degree at UTS and to do so by continuing to develop and work on their ongoing thesis under the supervision of UTS academics.

49724 Research Dissertation 2 (EIT)

24cp; availability: research students from overseas universities
Requisite(s): 49723 Research Dissertation 1 (EIT)
There are also course requisites for this subject. See access conditions.

This subject is designed for research students from overseas universities who wish to complete part of their degree at UTS and to do so by continuing to develop and work on their ongoing thesis under the supervision of UTS academics. The subject extends or complements the work undertaken in Research Dissertation 1.

49776 Master of Engineering Thesis

0cp
Postgraduate

The subject description is available from UTS: Engineering.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49928 Design Optimisation for Manufacturing

6cp; 3hpw; availability: all courses
Requisite(s): 120 credit points of completed study in C10061 Bachelor of Engineering Diploma in Engineering Practice OR 120 credit points of completed study in C10066 Bachelor of Engineering Science OR 120 credit points of completed study in C10067 Bachelor of Engineering
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: knowledge of computer programming
Postgraduate

The increasing demand on engineers to make their 'best' possible decisions in product design and manufacturing process at decreasing costs and a faster pace requires knowledge of methods in design optimisation. Optimisation has become a necessary part of product design and decision-making activities in mechanical, manufacturing and mechatronic engineering. This subject emphasises applications of advanced optimisation techniques in product design, manufacturing and project planning. It introduces students to an array of optimisation techniques and enables students to learn to use advanced techniques applicable in solving real product design and manufacturing problems such as machine scheduling, flexible assembly system scheduling, supply chain planning, job shop scheduling, project planning and scheduling, etc. On successful completion of this subject, students are able to understand the fundamentals of optimisation techniques and apply appropriate optimisation techniques in various applications.

Typical availability

Autumn semester, City campus

49986 PhD Thesis: Engineering

0cp
Postgraduate

The subject description is available from UTS: Engineering.

Typical availability

Autumn semester, City campus

Spring semester, City campus

49989 Operations Engineering

6cp

Every organisation has to provide value to its customer in order to survive in the current business environment. The value is an outcome of numerous processes that form the operations of an organisation. It is crucial for business success to design sound operations that are well maintained and continually improved.

In this subject, students learn how to design, manage and optimise operations in manufacturing and non-manufacturing environments. Emphasis is placed on 'lean operations' which has become the best practice for both manufacturing and service organisations. Topics include: Toyota production system, just-in-time, types of waste, managing supply chain and inventory, total productive maintenance, and six sigma improvement system. Case studies from world-class organisations in manufacturing and non-manufacturing industries are provided.

50001 Online Documentary

8cp
Elective

Recent developments in digital media platforms and technologies are enabling emerging opportunities for online digital communication by a wide range of individuals, media producers, communities and organisations. This subject allows students to develop their research and production skills in online digital content production by exploring a range of relevant conceptual, creative, and production concerns and approaches. Students engage with issues such as online documentary, Web 2.0, platform delivery, social media integration, community building and digital project planning. They expand their production skills through technical workshops and by working in small teams to develop an online digital media project, with a focus on socially relevant, factual or documentary contents and approaches.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50190 Information Research Project

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 40 Credit Points in spk(s): MAJ10023 Information and Media major BAComm
Professional Strand - Information Management - 300 level

This is the capstone subject in the Information Professional Strand. In this subject, students plan, carry out and evaluate a major professional information activity for a client. Concepts and techniques for the planning and management of projects to meet client needs are introduced at the beginning of the subject. A contract for the project is negotiated between the student, their client and their academic supervisor. Students are expected to work independently on their project, guided by consultations with their supervisor and discussion with a peer support group. This subject must be taken in the final semester of study.

Typical availability

Spring semester, City campus

50251 Genocide Studies

8cp; elective
Elective

This subject focuses on two of the major genocides of the 20th century: the Armenian and Jewish experiences. Students may select a second option for study and assignment – a choice ranging from genocide in the ancient world through to considerations of, for example, Aboriginal Australia, events in contemporary Tibet, Burundi, Rwanda, Bosnia, Kosovo, the Kurds in the Middle East, the issue of East Timor and Cambodia.

Typical availability

Autumn semester, City campus

50260 Parliamentary Placement

8cp; availability: not offered to exchange and study abroad students
Professional Strand - Social Inquiry - 300 level

This subject is a professional attachment subject arranged with the Parliament of New South Wales. It is limited to 10 students. Students are attached to the office of a Member of Parliament or a Parliamentary Officer. Students participate in a learning contract between themselves, UTS and the Parliament. Students are selected for the placement on the basis of criteria agreed with the Parliament.

Typical availability

Spring semester, City campus

50428 MA Writing Project

0cp; availability: not offered to exchange and study abroad students

Students complete, under supervision, the substantial piece of creative writing that has been approved as their thesis topic, along with and accompanying 3,000-word essay.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50720 Exchange Subject A

8cp

The UTS International Exchange program, administered by UTS: International Studies, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. UTS: Communication participates in this program, under which students have the opportunity to undertake study at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Communication's international coordinator. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50721 Exchange Subject B

8cp

The UTS International Exchange program, administered by UTS: International Studies, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. UTS: Communication participates in this program, under which students have the opportunity to undertake study at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Communications's international coordinator. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50722 Exchange Subject C

8cp

The UTS International Exchange program, administered by UTS: International Studies, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. UTS: Communication participates in this program, under which students have the opportunity to undertake study at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Communication's international coordinator. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50723 Exchange Subject D

8cp

The UTS International Exchange program, administered by UTS: International Studies, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. UTS: Communication participates in this program, under which students have the opportunity to undertake study at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Communication's international coordinator. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50724 Exchange Subject E

8cp

The UTS International Exchange program, administered by UTS: International Studies, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. UTS: Communication participates in this program, under which students have the opportunity to undertake study at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Communication's international coordinator. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50725 Exchange Subject F

8cp

The UTS International Exchange program, administered by UTS: International Studies, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. UTS: Communication participates in this program, under which students have the opportunity to undertake study at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Communication's international coordinator. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

50830 Contemporary Music 1

6cp; availability: not offered to exchange and study abroad students

This subject provides a contextual historical overview of contemporary music since 1950. It investigates the social environment, theoretical climate and influences that shaped contemporary music, examining genres as diverse as rock, jazz, experimental avant-garde, early electronic music to contemporary classical composers and non-Western music. Students are introduced to major schools of thought and the descriptive language, styles, genre, forms and origins in music history with particular focus on the nexus of acoustic and electronic sound and music based on listening. The subject also looks at sonic, harmonic and other structural elements as they draw on traditional cultural heritage, retrospective origins and new directions.

Typical availability

Autumn semester, City campus

50831 Sonology

6cp; availability: not offered to exchange and study abroad students

This subject explores the fundamental concepts behind the representation, synthesis, and manipulation of sound in the digital domain. These are multi-faceted topics and they are examined in a diverse range of contexts, including the physical nature of sound, digital signal processing theory, human physiology and psychoacoustics, computing technology as well as the aesthetic concerns of a contemporary sound designer. This subject examines basic techniques for synthesising digital audio signals, including additive and subtractive synthesis. It introduces a variety of visual representations of digital audio, and show how they relate to human auditory perception. Finally, this subject covers a selection of techniques for modifying digital audio, including filtering, panning and amplitude modulation. Study of the theoretical aspects of each technique is reinforced by practice-based laboratory sessions and assessments.

Typical availability

Autumn semester, City campus

50832 Electronic Music Composition

6cp; availability: not offered to exchange and study abroad students

This subject takes a conceptual and practical approach to composing music in a number of 'non-traditional' ways. It examines generative and algorithmic music, form and structural strategies for organising sound and music, harmonic theories, spatial design and approaches to creativity, challenging limitations of the conventional notions of the 'score'. Students explore a breadth of methods for developing time-based sonic structures, generating sonic content and organising elements cohesively through projects. The subject does not assume or require musical, notational literacy but rather looks at electronic ways of composing beyond the traditional score, as well as software environments that facilitate creative practice.

Typical availability

Autumn semester, City campus

50833 Speech, Music, Sound

6cp; availability: not offered to exchange and study abroad students

The subject draws on a wide range of phonetic, linguistic, pragmatic, semiotic and musicological sources to introduce the communicative use of sound. It examines the communicative roles of aural perspective, rhythm, melody and timbre in music as well as in speech, everyday soundscapes and film and television soundtracks.

Typical availability

Spring semester, City campus

50834 Audio Production

6cp; availability: not offered to exchange and study abroad students

This subject provided an introduction to the basic concepts and production procedures involved in professional audio across a range of media. Students work in digital formats, focusing on idea development, composition, and experimentation. Conceptual and technical skills include listening, location recording, recording voices, interviewing, editing and mixing.

Typical availability

Spring semester, City campus

50835 Audio Culture

6cp; availability: not offered to exchange and study abroad students

The subject focuses on the meaning and significance of sound in different cultural contexts and historical settings. It addresses questions of aesthetics, poetics and politics. The aim is to study the emergence of sound as a specific object of theoretical analysis and to understand the impact of audio culture on wider culture. Subject areas covered may include methodological approaches to sound; ethnography of sound; voice; sound in various media; and the politics and aesthetics of sonic practices.

Typical availability

Autumn semester, City campus

50836 Sonic Art

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 40 Credit Points in C10269 OR 40 Credit Points in C10270

This subject explores theories and practices of sound art across various contexts including performance, installation, radio and online. Issues around the intersections of art, music and design are investigated, along with concepts such as noise and the influence of space on the presentation of work. Students research these ideas in the development of their own sonic artworks.

Typical availability

Spring semester, City campus

50837 Contemporary Music 2

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 50830 Contemporary Music 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Building on the historic foundations of Contemporary Music 1, this subject focuses more specifically on philosophy, form and theory as it informs approaches to composing music and organising sound. These ways of thinking potentially provide methodologies for students in their creative practice. Learning by example, students consider works by master composers. The subject covers approaches to soundscape and environmental sound founded by Murray Schaffer; philosophies of silence, re-thinking form and chance with John Cage; relationships between physical, spatial and musical structures; microcosmic investigation by the Spectral composers; Stochastic and theoretical practices; digital and music concrète; post-digital music; world music influences in the orchestra and transforming notions of structure and sonority. The primary objective of this subject is to develop ways of transforming abstract thinking, philosophy and theory into practical approaches for creating music.

Typical availability

Spring semester, City campus

50838 Professional Practice (SMD)

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 40 Credit Points in C10269 OR 40 Credit Points in C10270

This subject introduces students to a variety of views and critiques of professionalism in the fields of music and sound design including: the roles and responsibilities of the creative professional; case studies of practice/studios; business management and planning; preparation for and modes of employment; legalities and liabilities; the ethical professional; the client/creative professional relationship; existing and emerging work practices in the industry; the role of professional bodies. Topics are covered through site visits, guest lectures, workshops and where possible and/or appropriate short term work experience placements.

Typical availability

Spring semester, City campus

50839 Sound for Time-based Media

6cp; availability: not offered to exchange and study abroad students

Sound plays an important role as supporting modality for many time-based media. The subject covers basic understanding of media such as film, video and games, and the role of sound and cross-modal issues. The practical element of the subject covers context-specific issues, such as film sets (Foley theatre, sound effects).

Typical availability

Autumn semester, City campus

50840 Notation and Scoring

6cp
Requisite(s): 50832 Electronic Music Composition
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For students specialising in composition, this subject investigates a wide array of scoring and notation techniques, including traditional, graphical, symbolic and computer or screen-based scores. Expanding the notion of score as a set of directives for conveying the intention of the composer and for rendering performance and interpretation, techniques for documenting, annotating and communicating music are explored. A diversity of methods are considered in order to match the diversity of music and sound generation performative techniques available to the contemporary music composer, such as for electronic, acoustic, gestural, ensemble, theatrical and interactive works (even non-linear and generative works). Students also gain an in-depth knowledge of a professional notation program appropriate for commercial music engraving and dissemination.

50841 Orchestration and Timbre

6cp
Requisite(s): 50832 Electronic Music Composition
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject is particularly directed at the composer and creative, exploring the most didactic understanding of orchestration as the organisation of sounds in register, space, texture, sound quality, intensity, combinations and innovations. It concerns clustering, structuring, organising in time, space, pitch and colour and requires knowledge of the materials or instruments utilised. The subject spans acoustic instrumental, orchestral, ensemble writing through to electronic music and electro-acoustic music that generates sounds from the ground up. A significant part of the compositional process is positioning, grouping and choosing sounds to create a certain impression through a detailed understanding of timbre (tone colour). Students examine seminal masterworks from a range of eras, styles and ethnicities and develop works of their own that demonstrate fluency in different presentation scenarios.

50842 Electro-acoustic Composition

6cp; availability: not offered to exchange and study abroad students
Requisite(s): 50832 Electronic Music Composition
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For students specialising in music creation and sonic composition, this directed individual project allows the composer/designer/artist to develop a major creative work of computer/electronic, electro-acoustic, art music performance or interactive sonic performance with a view to establishing the graduation portfolio and professional dissemination. The student is guided in tools of practice (software and techniques), and aesthetic and structural development of the work. In addition to creating a substantive creative work, students hone their presentation and professional delivery skills through a public outcome. Style, genre, and medium are intentionally extremely flexible to promote experimentation, creative thinking, innovative mixed-modality, performative or interactive works.

Typical availability

Spring semester, City campus

50843 Live Sound

6cp; availability: not offered to exchange and study abroad students

Sound design for live performance is a broad area that covers basic musical and theatrical understanding, insight in sound system technology and microphone techniques. This subject focuses on aspects of sound design for live performance and live sound practice. It identifies the differences between live sound practice and studio recording practice, and equips students with knowledge about PA systems, multi-channel sound systems and live mixing. Students also learn techniques, such as parametric filtering and delay line, and practise the relationships between microphones, instruments and hall acoustics in a live performance setting.

Typical availability

Spring semester, City campus

50844 Musical Instrument Design

6cp; availability: not offered to exchange and study abroad students

Musical instruments are examples of very sensitive and precise interfaces, allowing rich expression. Traditional mechanical instruments have been developed over centuries, evolving towards profound tools for musical expression. With electronic technologies, the development has been accelerated while the possibilities of the sound sources have increased, leading to a need for a more structured approach to musical instrument design. The subject covers history of musical instruments including taxonomies, electronic interface design principles, interaction frameworks, interface techniques (sensors, actuators and convertors), and structured instrument design. The theoretical background is applied and further expanded in a practical design project, resulting in new instrument forms.

Typical availability

Autumn semester, City campus

50845 Sound Systems

6cp

This subject focuses on the design of sound systems for live performance and theatre. It covers issues of acoustics and open-air venues, timing and the spread of sound over large areas using multiple loudspeakers. Students learn to configure and calibrate PA and performance situations for specific physical venues and spatial characteristics and to tailor sound system design for various cultural, technological, architectural situations. Students explore the technical effect of different speaker arrays, configurations, specifications and their interplay in live performance. Students also learn how to respond to dynamic features such as audience, environment, climate and instantaneous, unpredictable events.

50846 Situated Media Installation Studio

12cp; availability: not offered to exchange and study abroad students

This studio-based subject explores situated media through installation. The interaction and experience of media is human-scale and occurs in gallery and museum installations, public places, in ambient (informative or responsive) displays, re-configurable architecture and large spatial environments. The objective of the interdisciplinary collaborative studio is to encourage dialogue across media boundaries and paradigms of designing, to facilitate trans-literacy in a spectrum of medium. Thus photographic and design students collaborate with sound and music students to investigate real-time interaction and the mediation of the human-scale experience, with interfaces such as sensors, camera- tracking, game controllers, wireless technologies, and methods of capturing user engagement. Versatile purposes for installation include informative display, modes of inquiry in public places, entertainment, ambient information display (visualisation and sonification of social and contextual data relating to the spatial, climatic or cultural environment) and dynamic architectural spaces. Students develop innovative ways to integrate different media from specialist design fields, to situating media according to its environment, perspective and context.

Typical availability

Spring semester, City campus

50847 Visualisation and Sonification Studio

12cp; availability: not offered to exchange and study abroad students

Visualisation and sonification are alternatives to textual analysis of abstract information. This studio explores a variety of ways of transforming data into both information visualisation and auditory information for the creation of formal structures, visual and auditory artefacts, or to influence generative processes and ambient display in architectural and public places. In this subject, students investigate effective mapping strategies and alternate modalities for communicating information or using information as the source of creative practice to develop aesthetic and clear methods of representation.

Typical availability

Autumn semester, City campus

50852 Sound Design for Interaction

6cp

This subject explores the use of sound as an interaction modality in interface design. It examines the purpose of sonification, for example, as a source of information and feedback or an added modality, and the use of sound in current products and systems, such as mobile phones, printers, cars and websites. Students learn the theory and skills needed to develop effective, efficient and pleasurable interactions using sound. User-centred design, ergonomics, engagement, practicality and interface design contribute to the user experience and interactive responsiveness developed in this subject.

50853 Wearable Media and e-Fashion

6cp

Ambient display and pervasive computing permeates wearable communicative technology. Innovations in conductive fibres, motion and bio-data sensors, miniature microprocessors and wearable communication use technology as the enabler in body-worn designs: e-textiles, e-fashion, clothing, jewellery and other adornments as wearable, smart e-fashion. The purposes for wearable electronic media range from the purposeful and informative (such as health and fitness monitors, eco-aware, persuasive devices) to communicative and sociable (interactive and responsive visual, auditory, tactile and sensory interfaces) and expressive (fashion, art, craft and individualising designs using contemporary knowledge and materials). This subject fosters design collaboration between students from visual communication, textiles, fashion, craft, computing, sound and situated media experience. Students learn the material characteristics, fabrication and technical requirements of designing for innovative textiles while considering user-centred practical concerns such as wearing, washing, communicating and interacting with the e-fashion artefact. This includes programming for physically responsive and sensing technologies.

51984 Master of Arts Thesis

0cp; availability: not offered to exchange and study abroad students

For subject description, contact UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

51985 Master of Creative Arts Thesis

0cp; availability: not offered to exchange and study abroad students

The Master of Creative Arts is examined through the presentation of a creative work of the equivalent of 20,000-25,000 words and a thesis of 10,000-15,000 words.

Further information is available from UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

51991 PhD Thesis: Humanities and Social Sciences

0cp; availability: not offered to exchange and study abroad students

For subject description, contact UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

51992 Doctoral Project

0cp; availability: not offered to exchange and study abroad students

For subject description, contact UTS: Communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55004 Honours Thesis (FT)

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 55069 Honours Workshop
Honours subject - 400 level

Honours Thesis is the major component of the Bachelor of Arts (Honours) in Communication program. It provides an opportunity for students to undertake original work informed by advanced theoretical study and independent research, relevant to the academic, professional and/or creative goals they have identified. Students work with an academic supervisor to produce a thesis which may be presented in one of a variety of traditional and/or non-traditional formats.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55006 Honours Thesis (Production) (FT)

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 55069 Honours Workshop
Honours subject - 400 level

Honours Thesis (Production) is the major component of the Bachelor of Arts (Honours) in Communication program. It provides an opportunity for students to undertake original work informed by advanced theoretical study and independent research, relevant to the academic, professional and/or creative goals they have identified. Students work with an academic supervisor to produce a thesis which may be presented in one of a variety of traditional and/or non-traditional formats. Production theses may require the use of technical support facilities or equipment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55057 Honours Thesis Part A

12cp; availability: not offered to exchange and study abroad students
Requisite(s): 55069 Honours Workshop
Honours subject - 400 level

The Honours Thesis is the major component of the Bachelor of Arts (Honours) in Communication program. It provides an opportunity for students to undertake original work informed by advanced theoretical study and independent research, relevant to the academic, professional and/or creative goals they have identified. Students work with an academic supervisor to produce a thesis which may be presented in one of a variety of traditional and/or non-traditional formats.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55058 Honours Thesis Part B

12cp; availability: not offered to exchange and study abroad students
Requisite(s): 55057 Honours Thesis Part A
Honours - 400 level

The Honours Thesis is the major component of the Bachelor of Arts (Honours) in Communication program. It provides an opportunity for students to undertake original work informed by advanced theoretical study and independent research, relevant to the academic, professional and/or creative goals they have identified. Students work with an academic supervisor to produce a thesis which may be presented in one of a variety of traditional and/or non-traditional formats.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55061 Honours Thesis (Production) Part A

12cp; availability: not offered to exchange and study abroad students
Requisite(s): 55069 Honours Workshop
Honours subject - 400 level

The Honours Thesis (Production) is the major component of the Bachelor of Arts (Honours) in Communication program. It provides an opportunity for students to undertake original work informed by advanced theoretical study and independent research, relevant to the academic, professional and/or creative goals they have identified. Students work with an academic supervisor to produce a thesis which may be presented in one of a variety of traditional and or non-traditional formats. The production thesis may require use of technical support facilities or equipment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55062 Honours Thesis (Production) Part B

12cp; availability: not offered to exchange and study abroad students
Requisite(s): 55061 Honours Thesis (Production) Part A
Honours subject - 400 level

The Honours Thesis (Production) is the major component of the Bachelor of Arts (Honours) in Communication program. It provides an opportunity for students to undertake original work informed by advanced theoretical study and independent research, relevant to the academic, professional and/or creative goals they have identified. Students work with an academic supervisor to produce a thesis that may be presented in one of a variety of traditional and or non-traditional formats. The production thesis may require use of technical support facilities or equipment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

55066 Writing Studies Honours Seminar

12cp; availability: not offered to exchange and study abroad students

In this seminar students are asked to engage with a range of contemporary practices and contemporary ideas to do with writing. Students work both critically (theoretically) and creatively. The seminar focuses on current and, for the most part, innovative approaches to writing. These contemporary forms of textuality may include experimental or poetic or hybrid or experimentally essayistic or fictional or interactive writing practices. The main material of the seminar is distributed across generic practices to do with various poetic or interactive or fictional forms of composition. At the same time, the seminar asks students to consider these practices in the context of major types of contemporary critical analysis, such as ecological criticism, language theory, cultural theory, digital aesthetics and theories to do with online types of composition. The seminar is designed to be a 'thinking space' and a 'practising space' for students undertaking major honours projects in composition, contemporary essay, poetry, fiction, internet-related writing and critical thought.

Typical availability

Autumn semester, City campus

55067 Communication and Information Honours Seminar

12cp; availability: not offered to exchange and study abroad students

This subject examines a selection of contested key terms in the Australian intellectual, public policy and professional fields by reference to the theoretical resources offered by journalism, media studies, communication and information studies. Students explore how specific communication and information technologies, practices and impacts are interwoven with social organisation and processes of social change. The development of comparative analyses of key terms draws on different intellectual traditions and explores their usage in different contexts. The subject also facilitates students' capacity to understand their own theoretical constructs, to locate their own usage of key terms in relation to contemporary debates in intellectual policy and professional fields and to pursue research that contributes to those debates.

Typical availability

Autumn semester, City campus

55068 Cultural Studies Honours Seminar

12cp; availability: not offered to exchange and study abroad students

This subject explores some of the methodologies that characterise the contemporary practice of cultural studies. This involves a re-examination of the work of major cultural theorists whose work has influenced cultural studies research; situating their theoretical writings historically and politically, and investigating how they have been used to explicate individual, cultural and social practice. As well students are formally introduced to the research methods of cultural studies, ranging from discourse analysis to new ethnography and sensory analysis, and how they are used in cultural research. Students are encouraged to explore the interactions of, and sometimes conflicts between, theories and methods so that they can act as informed, critically aware and creative researchers; able to design the methodology (combination of theories and methods) that is most appropriate to a given project or issue.

Typical availability

Autumn semester, City campus

55069 Honours Workshop

12cp; availability: not offered to exchange and study abroad students

This is the foundational subject for all honours students in communication. It provides students with the opportunity to develop skills that enhance their capacity for undertaking research and independent scholarship and for successfully producing their thesis/production item in the second semester. Working closely with their academic mentors and peers, students deepen their understanding of the theoretical underpinnings of their chosen field and further develop the theoretical framework of their projects.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

55073 Social Sciences Honours Seminar

12cp; availability: not offered to exchange and study abroad students

This seminar provides an opportunity for students to critically engage with claims to truth made within the social sciences by exploring key epistemological, theoretical and methodological debates held within, and sometimes between, relevant disciplines. As well as providing a critique of processes of knowledge production, the seminar also offers a range of critical theoretical tools as potential starting points for students' own research work. It aims to assist students in developing a theoretically reflexive and analytical approach to their own research knowledge practices, as well as to those of others.

Typical availability

Autumn semester, City campus

57008 Digital Libraries and Collections

8cp

Graduate subject - Information Management - 400 level

This subject focuses on digital information resources and services and virtual collection building and management. The student is introduced to the role and functions of new and emerging technologies associated with the virtual library or digital library environment like electronic journals, electronic repositories and web-based digital information resources and services. Topics covered by this subject include virtual information system coordination and management and principles of collection building and management in electronic environments. Issues related to the development of digital information collections, such as access versus ownership, resourcing and legal issues, are also addressed.

Typical availability

Spring semester, City campus

57009 Information and Knowledge Management Project

16cp; availability: not offered to exchange and study abroad students

Requisite(s): 57089c Information Research and Data Analysis AND 48 credit points of completed study in C04203 Master of Arts in Information and Knowledge Management

Graduate subject - Information Management - 500 level

This is a core subject for the Master of Arts in Information and Knowledge Management. The subject involves the implementation of a professional project that is aimed at integrating theoretical knowledge and practical skills. A combination of learning frameworks is used (e.g. learning contracts, information project management, information consolidation) to enable the student to develop, with academic supervision, an individually tailored program or project.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57011 Research and Reporting for Journalism

8cp

Graduate subject – Journalism – 400 level

This subject aims to develop sound basic practices in professional journalism. It focuses on news and current affairs research and reporting, the role of journalism in liberal democracies, and journalistic techniques, ethics and standards. Students develop a series of stories in a chosen round. Through group discussion and a close analysis of news and current affairs, students develop an understanding of, and ability to contribute to, contemporary debates in journalism. Students also work to deadlines researching and reporting news stories for journalism publications.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57012 Regulation of the Media

8cp

Graduate subject - Journalism - 400 level

This subject examines the ways in which the production and distribution of media and cultural products are regulated, in the context of broader economic, political, historical and social processes. An underlying theme is a critique of the development of and contradictions among different ideas of free speech, and how these are used to promote or defend a range of communication practices, in particular historical and cultural contexts. The subject aims to develop a working knowledge of relevant areas of media law, such as defamation, copyright and contempt, with an emphasis on understanding the way the law works in practice and the policy issues which arise. A comparative approach is used to explore legal systems in different parts of the world.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57013 Journalism Studies

8cp; availability: not offered to exchange and study abroad students

Graduate subject - Journalism - 400 level

The aim of the subject is to explore the scholarly debates that address news organisations, journalism practices, and the processes of production and consumption of news and current affairs. A comparative theoretical approach is used to critically examine questions about journalism – both from the point of view of those involved in producing media products and from the point of view of audiences. The subject considers the relationship between the media and ideas about democracy, and the relevance of media theory for professional journalism.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57014 Feature Writing

8cp; availability: postgraduate Journalism students are permitted to undertake this subject concurrently with the subject Research and Reporting for Journalism

Requisite(s): 57011c Research and Reporting for Journalism

These requisites may not apply to students in certain courses. See access conditions.

Graduate subject - Journalism - 400 level

This subject aims to develop skills in feature story writing through a comparative approach to the work of contemporary practitioners. The emphasis is on developing and improving research and writing skills. Students aim to produce publishable work. The subject offers students insights into the breadth of style and genre available to non-fiction writing, including social-realist writing, essays, columns, profiles, 'new journalism' and more complex in-depth features. A range of techniques of researching, interviewing and writing are practised and critiqued. Ethical considerations are explored in the context of particular examples of production.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57021 Journalism Internship

8cp; availability: not offered to exchange and study abroad students

Requisite(s): 57011 Research and Reporting for Journalism

These requisites may not apply to students in certain courses. See access conditions.

Graduate subject - Journalism - 400 level

This subject gives students opportunities for structured professional work placement in which journalism is produced. Those participating in this subject produce a portfolio of journalism, a written report and a diary of the time and work details during the attachment. Students build on and develop skills they have acquired during their studies and apply those skills in a practical environment. The subject is aimed at self-directed learning and regular academic supervision. Students are also asked to present a seminar paper that reflects their knowledge and learning experience with other students.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57022 Foundations of Communication

8cp; availability: not offered to exchange and study abroad students

Graduate subject - Public Communication - 400 level

This subject introduces the concept of the management arenas within which communication is practised. It analyses the communication issues raised by different organisational contexts and applies the

models and metaphors of dominant and alternative perspectives in communication studies. Meaning-making processes in communication management practice are studied to develop an understanding of communication as negotiated meaning. Students learn to approach workplace situations critically and creatively and develop their communication management expertise in interpersonal and mediated communication to handle change, uncertainty and complexity.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57023 Communicating with Publics

8cp

Graduate subject - Public Communication - 400 level

In this subject students analyse the social construction of publics and organisation-public relationships. They study different models of public relations practice and draw on current theories about publics, audience and media to help them understand the development of strategies to communicate with internal and external publics. There is a strong focus on identifying the ethical implications of decisions, actions and outcomes in communicating with publics. Students are encouraged to participate in a discussion on approaches to empowering or influencing publics. The attitudes, knowledges, behaviours and issue positions of various publics are studied to enable students to assess how best to communicate with them. Students learn about different research strategies for understanding communicating with publics.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57024 Managing Public Communication Strategies

8cp

Requisite(s): 57023 Communicating with Publics

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Graduate subject - Public Communication - 400 level

This subject explains the concept of public relations as communication management and demonstrates the contribution and relevance of public relations to modern organisations. A range of perspectives provides thoughtful and challenging approaches to the work of a public relations practitioner. Students learn to set goals and objectives and to plan and implement campaigns for internal and external publics. They become confident in evaluating all aspects of their work and develop competency in cost-benefit analysis and the analysis of the financial implications of their work. Public relations principles are applied to examples from students' own professional practice to develop a reflective understanding of why as well as how to approach particular issues and problems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57025 Intercultural and International Communication

8cp

Graduate subject - Public Communication - 400 level

Drawing on latest research and developments, this subject introduces core concepts, debates and vocabularies in the interdisciplinary, and relatively new field of intercultural communication. Intercultural communication is a necessary part of personal and professional lives as a result of global restructuring of economic, social and cultural relations. As a result of new communication technologies, the movement of people across borders, overseas study, global media, transnational jobs, tourism, global migration, international conflicts, global economies, transnational organisations, people from different backgrounds come into contact with one another across a range of culturally diverse contexts: home and neighbourhood, places of leisure, community organisations, workplaces, and regions.

The subject move away from simplistic ways of understanding culture to test new ways of working on intercultural communication personally and professionally. Students study intercultural communication as constructed through sociopolitical and cultural processes. This means understanding intercultural communication against a backdrop of stereotyping and othering where international communication takes place (communities, workplace, business, politics), and the wider issues of inclusion and social justice in relation to education, mobility and work. The approach adopted on the subject is pragmatic, critical, ethical and interdisciplinary.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57026 Strategic Communication and Negotiation

8cp

Graduate subject - Public Communication - 400 level

This subject analyses and critiques communication campaigns and develops expertise in using strategic planning and applying it to communication management. This involves applying understandings of environmental scanning, stakeholder analysis and issues management. There is an emphasis on understanding consultative processes and learning effective approaches to community consultation. Students develop an understanding of and expertise in negotiation strategies. They study techniques of negotiation and conflict to enhance the development of expertise in managing different expectations and results. Students learn a practical approach to negotiating agreement and apply it to their communication and public relations work.

Typical availability

Spring semester, City campus

57028 Research for Communication Professionals

8cp

Graduate subject - Public Communication - 400 level

This subject introduces a range of research methods useful for communication practice and ensures that students can choose and use appropriate research methodologies. Using examples drawn from industry, research is presented as a tool to make the practice of communication and public relations more responsive, effective, useful and professional. Students develop expertise in designing research, making observations, taking measurements, and interpreting and reporting their findings, all with a focus on the kinds of research they are likely to encounter in their own careers. It provides those enrolling in the Communication Management Project with the necessary knowledge of research to design and manage their projects.

Typical availability

Autumn semester, City campus

57031 Non-fiction Writing

8cp; availability: not offered to exchange and study abroad students

Graduate subject – Writing – 400 level

Non-fiction writing takes many forms, and each of these has its own generic conventions, limitations and potentials. This subject explores the similarities and differences between such genres as the essay, technical and scientific writing, writing history (and recording oral histories), writing about place, cultural criticism and feature journalism. In any one semester, the genres considered depend on the availability of expert staff and on student interest.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57034 Professional Writing Project

12cp; availability: not offered to exchange and study abroad students

Requisite(s): 57033c Writing Seminar

Graduate subject - Writing - 500 level

This subject is designed for students who have substantial experience in writing and are ready to work independently. Working under the supervision of an appropriate member of staff, students devise, research, draft and revise to a high standard a substantial (15,000 words or equivalent) work of professional writing. The writing may be in any appropriate genre, depending on the viability of the proposed project and the availability of appropriate supervision.

Typical availability

Autumn semester, City campus

57035 Organisational Change and Communication

8cp

Graduate subject - Public Communication - 400 level

In this subject students analyse differing perspectives on communication in organisations and the ways in which group processes affect organisational life. The subject focuses on the communication features of management and leadership and aims to provide students with the ability to evaluate and critically discuss their own and others' leadership and communication styles. It enables students to make connections between theories and practice so they can develop successful team building and team management strategies. Conflict management, change management, culture creation, problem solving and decision-making are some of the workplace challenges explored in this subject. Approaches to leadership, communication climate and motivation of staff are analysed in the context of ever-changing organisational environments, including technology and globalisation.

Typical availability

Autumn semester, City campus

57041 Narrative Writing

8cp

Graduate subject – Writing – 400 level

This subject emphasises narrative development, with close attention to the relationship between structure and content in fiction. Craft skills appropriate to narrative writing are developed through exercises and sustained work on pieces of fiction, along with consideration of principles of editing and revision. The focus of the class is the students' own work. A range of exemplary contemporary narrative writing is read and discussed, integrating practical work with critical reflection on the processes of narrative writing. This is a core subject for postgraduate writing students and is suitable for students in other areas wishing to develop their writing through exercises and sustained work.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57046 Professional Editing

8cp

Graduate subject - Writing - 400 level

This subject is offered to postgraduate students who wish to gain a practical understanding of the process of editing written texts, so that they may edit works themselves, or so that they have an understanding of the process when their own work is edited. The subject focuses on the editing of literary fiction and non-fiction manuscripts. The emphasis is on editing book-length manuscripts but the skills can be applied to editing any written texts.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57053 Book Publishing and Marketing

8cp

Graduate subject - Writing - 400 level

This subject is offered to students who wish to gain an understanding of production and marketing in the book publishing industry in print and digital forms. The subject examines the stages of the book production process from the acquisition of a title through to its marketing and promotion. The subject shows students how to identify and understand a target audience and the most effective ways to reach it. In this subject the focus is on the literary book publishing industry, though many of the principles discussed could be applied to other forms of text publications such as magazines and textbooks.

Typical availability

Spring semester, City campus

57061 Issues in Documentary

8cp

Graduate subject - Media Arts and Production - 400 level

This subject introduces students to contemporary debates in documentary through a study of documentary history, genre, ethics and changing forms. It develops skills in critically analysing documentary film and its evolution from silent film through to the digital online environment. Students present critical documentary case studies via screenings and analysis using contemporary documentary film scholarship. Students develop documentary proposals for film, television and / or the online environment from research to treatment or first draft stage. Students participate in project workshops to discuss their proposals and essays. Students may also produce in-depth critical analyses of documentary film(s) and / or contemporary issues in documentary.

Typical availability

Autumn semester, City campus

57084 Information Architecture and Design

8cp

Graduate subject - Information Management - 400 level

This subject introduces students to user-centred information design and architecture principles. These are applied specifically to the development of information products and services that facilitate a variety of communication interactions. Content management and organisation is examined in relation to models for designing and structuring information and communication products. These models are evaluated in terms of their appropriate application to the opportunities and capabilities available for distributing information across a range of print and multimedia. Policies and key issues such as accessibility, ethics, intellectual property, privacy and security, publishing, usability and online teaching and learning are related specifically to implications for accessing, using and sharing knowledge. On a practical level, students develop professional capabilities for translating information architectures into web materials using web authoring and HTML skills. They also develop professional communication and collaboration skills by working in teams to meet collectively negotiated goals.

Typical availability

Autumn semester, City campus

57087 Knowledge Management and the Organisation

8cp

Graduate subject - Information Management - 400 level

This subject explores notions of information and knowledge, critically examining the range of viewpoints and concepts within knowledge management. Students examine a variety of types of organisations, and practice techniques for analysing and evaluating the internal and external information and knowledge environments of these organisations. From this analysis of information and knowledge production, flows and processes can be identified and evaluated. The subject emphasises the human characteristics of generating, communicating and using knowledge, and the way these can be integrated with the organisational strategy and processes. Students will have an understanding of the knowledge components of organisational processes and cultures, and the role of the information professional in knowledge-based organisations. The value of knowledge within organisations is explored via knowledge management case studies.

Typical availability

Autumn semester, City campus

57089 Information Research and Data Analysis

8cp

Requisite(s): 57100 People, Information and Knowledge

Graduate subject - Information Management - 400 level

This is a core subject for the Master of Arts in Information and Knowledge Management. Students are introduced to a range of the quantitative and qualitative research methods used in the study of people and information and develop skills in analysing and presenting data using standard software packages. Students apply their knowledge and skills to designing and executing a pilot research project. The ethics and politics of research are covered and the differing views of reality, the roles of the researcher and the establishment of knowledge claims are introduced.

Typical availability

Spring semester, City campus

57100 People, Information and Knowledge

8cp
Graduate subject - Information Management - 400 level

This subject begins with an examination of the fundamental philosophies of information and knowledge relevant to the areas of information management and knowledge management. It also serves as an introduction to frameworks for exploring and analysing people's information behaviour. Students develop a detailed understanding of the theoretical underpinnings that link people, information and knowledge. The subject introduces the concepts of information ecologies and communities of practice as part of the skill set for working with and understanding the implications of people needing, using and adding value to information. These concepts draw on multidisciplinary theories articulated within the social, cognitive, management and computing sciences.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57101 Advanced Screenwriting

8cp
Requisite(s): 50359c Screenwriting OR 50309 Advanced Screenwriting OR 57142 Writing for the Screen
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Graduate subject - Writing - 400 level

This subject explores the creative and complex storytelling potential of the cinematic image. It examines the relationship between the eye of the camera and the written text and offers students an opportunity to investigate both sound and image as metaphor while developing an existing piece of screenwriting. It explores adaptation from a literary source as well as storytelling possibilities opened up by digital technology and contemporary experiments in narrative structure. Students with an existing treatment or draft may develop a feature or short feature. Students with a short drama may develop a shooting script.

Typical availability

Spring semester, City campus

57103 Knowledge Management Strategies

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57087 Knowledge Management and the Organisation OR 32534 Knowledge Management Systems OR 21860 Managing Knowledge
Graduate subject - Information - 400 level

This subject builds on an understanding of organisational drivers for managing information and knowledge. Students investigate the characteristics of a broad range of strategies within the current rhetoric of knowledge management. This investigation considers the roles of enablers such as people, process, content and technology in planning and managing knowledge initiatives to reinforce, support and/or strengthen the knowledge environment. Topics covered are largely driven by current developments within knowledge management and include building knowledge cultures, creativity and innovation, organisational memory, facilitating communities of practice, managing content, value creation and knowledge transfer. At end of the subject students will be able to propose appropriate strategies for creating, sharing and using knowledge to achieve goals at both a group and organisational level.

Typical availability

Spring semester, City campus

57104 Information and Knowledge Management Project Part A

4cp; availability: not offered to exchange and study abroad students
Requisite(s): 48 credit points of completed study in C04203 Master of Arts in Information and Knowledge Management AND 57089 Information Research and Data Analysis
Graduate subject - Information Management - 500 level

This is a core subject for the Master of Arts in Information and Knowledge Management. The subject involves planning a professional project that is aimed at integrating theoretical knowledge and practical skills. A combination of learning frameworks is used (e.g. learning contracts, information project management, information consolidation) to enable the student to plan and develop, with academic supervision, an individually tailored program or project.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57105 Information and Knowledge Management Project Part B

12cp; availability: not offered to exchange and study abroad students
Requisite(s): 57104 Information and Knowledge Management Project Part A
Graduate subject - Information Management - 500 level

This is a core subject for the Master of Arts in Information and Knowledge Management. The subject involves the implementation of a professional project that is aimed at integrating theoretical knowledge and practical skills. A combination of learning frameworks is used (e.g. learning contracts, information project management, information consolidation) to enable the student to implement, with academic supervision, an individually tailored program or project.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57108 Film Animation

6cp
Graduate subject – Master of Animation (Faculty of Design, Architecture and Building)

This subject introduces students to all the major styles of traditional film animation and to the study of film animation techniques. Students are introduced to flip books, claymation, drawing on cells, pixillation and collage animation styles through hands-on exercises and detailed study of animation films. Equipment used includes 16 mm non-sync cameras and 16 mm and 35 mm Oxberry Animation Stands.

Typical availability

Autumn semester, City campus

57109 Film Animation

8cp
Graduate subject - Media Arts and Production - 400 level

This subject introduces students to all the major styles of traditional film animation and to the study of film animation techniques. Students are introduced to flip books, claymation, drawing on cells, pixillation and collage animation styles through hands-on exercises and detailed study of animation films. Equipment used includes 16 mm non-sync cameras and 16 mm and 35 mm Oxberry Animation Stands.

Typical availability

Autumn semester, City campus

57122 Short Fiction Workshop

8cp
Requisite(s): 57041 Advanced Narrative Writing OR 57031 Non-fiction Writing
Graduate subject - Writing - 400 level

This is an advanced workshop subject for students who are interested in short fiction, and keen commence work on a collection of short stories. The focus of this subject is on form: what makes a short story? How do I turn a simple narrative or even an anecdote into a short story? We also focus on redrafting and editing.

Typical availability

Autumn semester, City campus

57124 Novel Writing

8cp

Requisite(s): 57041 Advanced Narrative Writing OR 57031 Non-fiction Writing

Graduate subject - Writing - 400 level

This is an advanced workshop for students who have some background in fiction writing and who are either commencing work on a novel or have already commenced. The aim of this subject is to produce the opening section of a potential novella or novel, or a substantial portion of a work in progress, minimum 5000 words and maximum 10,000 words. Contemporary and experimental forms of the novel are studied and encouraged as well as more traditional narratives. Students study a range of short novels that enhance their understanding of the form and help develop their critical skills. Workshop participation and peer assessment are a vital part of this subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57130 Animation Concepts Seminar

6cp

Graduate subject – Master of Animation (Faculty of Design, Architecture and Building)

This subject covers some key concepts of animation. Students will be able to study and research these concepts in relation to major and experimental methods for generating animation (including optical toys, stop frame, pixillation, procedural, motion capture, genetic algorithms, cel, claymation, rotoscoping, interactive, real-time, 2D and 3D computer animation). Learning is by lectures, seminars and in-class presentation by students.

Typical availability

Autumn semester, City campus

57131 Inventive Media Advertising

8cp

Graduate subject – Public Communication – 400 level

This subject explores the importance of ideas in communication and building brands, the challenges posed by a diverse media landscape and the efficiency of advertising. Against a backdrop of technological change, students examine the consumer's interactions with the media, brands, ideas and advertising. As a component of finding insights and recognising ideas, students examine what changes occur in ideas as they migrate from one channel to another and the associated issues for practitioners. In pursuit of innovative approaches to idea generation, a critical research and practice-based approach is taken in which students explore experimental and industry techniques and critique their value in uncovering ideas with practical potential for advertising. Students develop creative solutions for a variety of channels representative of today's complex media environment.

Typical availability

Spring semester, City campus

57132 Media Relations

8cp

Graduate subject – Public Communication – 400 level

In this subject, students explore the role and uses of media relations for communication management. They explore the relationship between journalism and public relations and the structures, regulatory frameworks and processes relevant to developing media strategies. They review mass communication research traditions such as media effects theories and agenda setting, applying their understanding to issues for professional public relations practice. Public opinion and diffusion of ideas and innovations are examined, along with the concept of the public interest. Students investigate ways in which new media have changed the landscape for communicating with publics and for media relations. They practise developing media plans and products to broaden their awareness of the diversity of media channels. In their final project, they develop briefing notes and perform as interviewees in the UTS television studios.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57133 Writing Poetry

8cp

Graduate subject – Writing – 400 level

In this subject students write extensively and read widely in a variety of genres of contemporary and modern poetry. The subject is designed for students who, interested in writing, have a sustained interest in poetry or who, while not being poets themselves, wish to develop a working knowledge of recent and contemporary practices in poetry. The approach stresses the student's own creative practice and the exploration of genre and technique in the composition of poetry. The unit also introduces the work of a number of contemporary Australian and international poets as part of a field of creative and professional contexts in which poetry is written today. The unit is a workshop designed to encourage participants to enhance their skills as poets and also to develop a critical ability in editing and revising their own work and that of other writers in the class. At the same time, broad issues to do with the work of the contemporary poet, whether to do with specific aspects of creative practice, publishing, experimentation, or the presence of poetry in performance oriented or other non-literary formats, will feature in the workshop.

Typical availability

Spring semester, City campus

57134 Theory and Creative Writing

8cp

Graduate subject – Writing – 400 level

This is a core subject for two of the graduate writing programs and one which provides valuable theoretical and historical contexts for students' own writing. It introduces students to major developments in literary theory and examines in close detail a number of key texts from several genres that illuminate the use of theory for the practising writer. It also introduces students to some of the major developments in western literature, such as realism, modernism and postmodernism, as well as to the narrative theories that underlie these developments, particularly in relation to contemporary writing. Students critically explore ideas on writing directly arising from their theoretical and other reading, both in classroom discussion and in their written work. Students also workshop their creative writing, which is expected to reflect aspects of writing and literary theory that has been explored in the subject.

This subject:

- contextualises writing by examining literary movements, ideas and developments
- promotes essential critical and creative thought in relation to reading and writing
- enables a practical understanding of aesthetics and cultural debates
- enables exploration and experimentation of ideas in writing practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57138 International and Comparative Journalism

8cp

Graduate subject - Journalism - 400 level

This subject is concerned with the ways in which the philosophical basis, role and activities of journalism have developed in relation to social context. It takes a comparative approach to historical and contemporary forms of journalism in western liberal democracies, post-colonial multi-party states and single-party states, and relates professional and community practice in journalism to developments in the political, economic and coercive fields. Among other themes it will consider internationalisation of news flows, development journalism, policy initiatives such as NWICO (the New World Information and Communication Order), free speech and censorship, and public/private sector media. It emphasises the specificity of historical and geographic factors within larger structural developments, and takes a comparative and critical approach to the use and evaluation of social theory.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57142 Writing for the Screen

8cp

Graduate subject – Writing – 400 level

This subject offers postgraduate students the opportunity to develop advanced skills in writing for the screen. Students can develop short or long-form drama or animation. Students develop an idea through industry-accepted stages of development and formats and through workshops with professional actors. Students gain skills in research, visualisation, structuring, storytelling and character development. Students also improve their ability to read, develop and script-edit their own work and the work of their colleagues.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57144 Popular Fiction

8cp

Requisite(s): 57041 Narrative Writing OR 57031 Non-fiction Writing OR 57142 Writing for the Screen OR 50359 Screenwriting OR 50309 Advanced Screenwriting

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Graduate subject - Writing - 400 level

This subject provides a theoretical understanding of, and practice in, the writing of three popular genres: crime/adventure, romance, and science fiction/fantasy. It offers students the opportunity to work in a specific genre while simultaneously exploring the wider codes, conventions, structures and possibilities of writing popular fiction. It examines the historical and contemporary importance of popular fiction as a literary form and ways in which generic forms may be used or subverted. Several key popular fiction texts are examined with critical reflection on linear narrative and the concept and construction of plot.

Typical availability

Autumn semester, City campus

57145 Freelance Writing

8cp

Graduate subject – Writing – 400 level

This subject provides theoretical and practical understanding of writing in the key genres of the professional freelance world: literary journalism, essay writing, reviewing (particularly book reviewing) and cultural criticism. Students are introduced to examples of critical writing in magazines and journals as well as in the major newspapers, and are encouraged to engage in informed critical reading in relation to contemporary writing. The subject aims to increase understanding of how appropriate critical writing responds to significant literary and other cultural issues, and how it may usefully contribute to debate over these issues within institutional, publishing and media contexts.

Typical availability

Spring semester, City campus

57146 Organising Information

8cp

Graduate subject – Information and Knowledge Management – 400 level

This subject explores the interrelationship between processes and principles of information/knowledge organisation and information access. Students learn advanced skills of information organisation and apply them to the design and development of a database created in response to particular client requirements. The subject covers topics such as database structures, content analysis, indexing, abstracting, classifying, content management, architecture and metadata creation. The major project involves database creation and usability testing.

Typical availability

Spring semester, City campus

57147 Enterprise Content Management

8cp

Graduate subject – Information and Knowledge Management – 400 level

Enterprise content management (ECM) includes the strategies, processes and tools used to capture, manage, store, preserve, and deliver content to support organisational outcomes. This subject provides an overview and explanation of ECM and its key components. It explores how ECM contributes to the management and use of an organisation's structured and unstructured information, wherever that information exists.

Students explore frameworks of ECM and are introduced to the strategies and techniques for managing records, documents, email, web-based and collaboration content, business applications such as customer relationship management and enterprise resource planning, business processes and workflow. The subject explores key strategic drivers for ECM, such as governance and information sharing, and shows how organisations effectively deploy ECM to improve relationships between people, content, processes and technology and contribute to organisational outcomes.

Typical availability

Spring semester, City campus

57148 Discovering and Accessing Information

8cp

Graduate subject – Information and Knowledge Management – 400 level

This subject explores the nature, functions and characteristics of a range of resources and collections in diverse settings. It examines the interrelationship between processes and principles of information/knowledge organisation, selection and retrieval practices and information seeking behaviours. Students develop an understanding of the theory and practice of information retrieval and collection management in networked information environments. Students learn to apply client-centred approaches to information retrieval and develop specialised search strategies that enable them to improve client access to electronic and print resources. The subject covers topics such as: Boolean logic, thesauri tools, keyword searching, metadata and mediating relationships. Information retrieval interactions (including interpreting the needs of information seekers, negotiating, question analysis, searching and evaluating retrieval effectiveness) are also examined. These principles are put into practice in specific client contexts in the workshops and assessable tasks.

Typical availability

Autumn semester, City campus

57149 Information and Knowledge Management Major Paper

8cp; availability: not offered to exchange and study abroad students

Requisite(s): 57089 Information Research and Data Analysis AND 48 credit points of completed study in C04203 Master of Arts in Information and Knowledge Management

Graduate subject - Information and Knowledge Management - 500 level

In this subject, students explore in depth a topic relevant to a specific area of information or knowledge management theory or practice and prepare a major paper for publication in a refereed journal of the field. Students critically analyse and synthesise theoretical and professional literature on the topic; they also have the opportunity to theorise their own practice. Students demonstrate their understanding of the topic through the presentation and discussion of their major paper and extend this understanding to the topic areas chosen by others in the student group.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57150 Editing and Design

8cp

Requisite(s): 57011 Research and Reporting for Journalism

Graduate subject - Journalism - 400 level

This subject introduces students to the basic principles, techniques and professional practice of editing, layout, design and production across print and online media. The subject covers print in all its forms as well as aspects of editing for online publications. The subject takes as its premise that whatever information is to be delivered, and by whatever sophisticated means, it remains imperative this is achieved by applying professional principles such as accuracy, clarity, fairness and balance and that the scrupulous eye and rigorous standards of a trained sub-editor are essential to that outcome. The subject covers the theory and practice of editing, the role of the sub-editor, and basic design and layout for print and online media.

Typical availability

Spring semester, City campus

57151 Storytelling with Sound and Image

8cp

This subject explores the production of news and current affairs in the audio visual domain within the context of a critical examination of current professional practice. Students develop skills in audio and video recording, interviewing, scripting, editing and presentation while devising and producing short news and current affairs reports. Students develop an understanding of the impact of online media developments on audio and visual journalism and the ethical implications that arise in the production of broadcast materials. A focus on issues relevant to cultural diversity is maintained throughout the course. Students log their stories in their e-portfolios, exploring the prospect of publishing more broadly.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57152 Investigative Research in the Digital Environment

8cp

This subject introduces advanced skills and methods for doing investigative research in the electronic environment, often referred to as computer-assisted research, not only for advanced information retrieval, but also for data mining and data and information analysis. Students develop their capacity to use contemporary computer-based methods of investigation in combination with other methods of inquiry and analysis to produce new knowledge and insights in relevant fields of practice that include information and knowledge management, journalism and other forms of social research. As well, students develop PIM (personal information management) techniques, including the creation of databases and digital repositories and explore how these can be used in the writing of research briefings for clients, reports for a range of publics, or investigative stories for audiences. This subject is designed for postgraduate students who already have basic information discovery and retrieval skills developed in information management, journalism, business, or other relevant field of practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57153 Digital Curation

8cp

Postgraduate

Increasingly vast amounts of digital data, content and objects are being created in a multitude of formats, in many organisational and cultural contexts, including museums, archives, film and media organisation, government, corporate and research institutions. As well, there has been huge investments in digitisation and purchase of digital content and information. In this subject students are introduced to both the theory and applied knowledge of storing and preserving this digital content so that future generations are able to access and understand it. Students are introduced to a range of techniques for digitising analogue materials, for migrating these file formats to newly developed technologies, for preserving the original context of the content and to provide mechanisms for this content to be accessed. In a collaborative and interactive learning environment, students develop specifications for digital curation projects and prototype trusted digital curation models, taking into consideration the social-economic and legal aspects of digital curation, such as digital rights managements, archival evidence and specialised social and cultural contexts.

Typical availability

Spring semester, City campus

57154 Writing Television Drama

8cp

This subject offers postgraduate students a comprehensive overview of, and active participation in, the practical processes involved in developing and writing long form television character-based drama and comedy, from initial idea through to script production. The subject is project-based, taking students from the basic elements of screenwriting, through the particular collaborative process of television series and serial writing, and acquainting them with the idiosyncrasies of dealing with producers, story liners, editors and directors. Students view and critically analyse a wide range television drama and comedy, and hybrid forms, from Australia and overseas. Working in groups, each student generates an idea for a television series which is then developed into a formal, 'series outline', or 'production bible', This includes a complete draft of a sample episode. Students learn how to pitch an idea to producers/directors and from it produce the type of follow-up document that has currency within the industry. Students are assessed on both group and individual work.

Typical availability

Spring semester, City campus

57155 Online Journalism

8cp

Requisite(s): 57011 Research and Reporting for Journalism

These requisites may not apply to students in certain courses. See access conditions.

Postgraduate

This subject introduces students to the application of internet technologies to journalism practice. It builds on the journalism skills of research, reporting, interviewing and analysis and applies them to the World Wide Web. The subject explores changes in professional journalism practice and the major issues related to sourcing and publishing journalism on the web. It teaches web publishing skills for journalism and explores content management systems for the publication of text, video, stills, audio and soundslides.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57156 Radio Journalism

8cp

Requisite(s): (57011 Research and Reporting for Journalism AND 57151 Storytelling with Sound and Image) OR (57168 Sound and Interaction AND 57167 Moving Image)

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject develops the editorial, technical and presenting skills involved in the production of radio current affairs journalism. Students study a range of current affairs formats as they produce short- and long-form current affairs packages for broadcast on radio station 2SER-FM. As the students learn practical radio journalism skills, they explore the editorial and ethical issues that exist in the professional broadcast environment.

Typical availability

Spring semester, City campus

57158 Television and Video Journalism

8cp
Requisite(s): (57011 Research and Reporting for Journalism AND 57151 Storytelling with Sound and Image) OR (57167 Moving Image AND 57168 Sound and Interaction)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject develops the editorial, technical and presenting skills involved in the production of television and video news and current affairs journalism. Students study a range of news and current affairs formats as they produce short- and long-form news and current affairs packages suitable for broadcast on the internet and / or television. As the students learn practical television and video journalism skills, they explore the editorial and ethical issues that exist in the professional broadcast environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57161 Investigative Journalism

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57011 Research and Reporting for Journalism
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject introduces students to investigative reporting, a style of journalism which probes deeper than most daily news journalism. Students familiarise themselves with research techniques which have proved useful to journalists pursuing in-depth stories, analyse and learn from investigative reporting by others, and solve problems which arise in stories through group discussion. The subject emphasises problem solving in the context of hands-on experience in developing stories from conception to finished product. The subject is designed to: demonstrate a wide variety of practical research techniques, especially the use of public records; to show the distinctiveness of investigative reporting; and to use students' own problems and experience in researching their assignments as practical examples of the way to apply investigative techniques.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57162 Memory and Life Writing

8cp; availability: not offered to exchange and study abroad students

The study and writing of a life is now one of the most popular and dynamic fields in non-fiction scholarship. This subject introduces students to the interdisciplinary study of life writing in forms such as biography, autobiography, family history, oral history, memoir, TV, radio, drama and portraiture, and engages with the critical and methodological issues raised by these various approaches. In scoping the field, this subject engages with central issues of memory, agency, identity, self-representation, and so on. Life writing can encapsulate the relation between the individual and society, the local and the national, the past and present, and the public and private experience. Through its various activities, the subject aims to air such topics for both academic and 'general' audiences, especially through a consideration of how life writing contributes to our broader cultural heritage.

Typical availability

Spring semester, City campus

57163 Non-fiction Project Development

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57031 Non-fiction Writing AND ((57061 Issues in Documentary OR 57162 Memory and Life Writing)) AND 8 Credit Points in spk(s): SMJ10042 Media Arts and Production Sub-major
There are also course requisites for this subject. See access conditions.

This subject requires students to plan and structure their major project through research and development, and in consultation with their allocated academic advisor. The subject is conducted by individual guidance and group work, and students are required to regularly present the progress of their research and development throughout the semester. Students critically explore the most appropriate and effective methods for realising their substantial work of non-fiction.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57164 Non-fiction Writing Project

16cp; availability: not offered to exchange and study abroad students
Requisite(s): 57031 Non-fiction Writing AND 57061 Issues in Documentary AND 57162 Memory and Life Writing AND 57163 Non-fiction Project Development
There are also course requisites for this subject. See access conditions.

This subject requires students to synthesise the knowledge and skills they have developed in the Master of Arts in Non-fiction Writing. The completion of a substantial work of non-fiction writing is the capstone of the course, and demonstrates the students' ability to work professionally and independently. On completion of this subject students are expected to be able to demonstrate high-level skills in researching, developing, structuring and completing a major written project in a selected non-fiction genre. Students respond to critical feedback throughout the supervision of the process, to re-write and edit their work.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57165 True Crime

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57041 Narrative Writing OR 57031 Non-fiction Writing

This subject focuses on true crime writing. Students are asked to engage with the history, contexts, conventions and contemporary debates around the notion of true crime. The subject aims to develop students' awareness of the wide possibilities and scope of writing creatively in the true crime genre, and to produce an extended piece of true crime writing in a workshop environment.

Typical availability

Spring semester, City campus

57166 Documentary Production

8cp; availability: not offered to exchange and study abroad students

This subject explores conceptual and production approaches to documentary media forms. Students are introduced to key documentary modes, and examine documentary strategies and forms from photo essay to video and sound documentary, to emerging online and interactive documentary. Students undertake a series of hands-on exercises to advance their skills in producing, directing, shooting and editing for documentary. They also take a short documentary from idea to treatment. Throughout the subject, students investigate the issues facing media producers seeking to work with the creative interpretation of reality.

Typical availability

Spring semester, City campus

57167 Moving Image

8cp; availability: not offered to exchange and study abroad students

This subject introduces students to the creative challenges and technical demands of making moving images using a range of digital imaging technologies. The subject explores essential concepts and craft skills needed for moving image production in fields such as camera, lighting, directing, sound recording and editing. Students are introduced to concepts of montage, rhythm, juxtaposition and structure, in addition to learning practical skills connected with editing audiovisual media. The subject is structured to encourage students to learn through hands-on learning, experimentation and collaboration. The delivery of the teaching and learning is through a series of seminars, in-class and out-of-class exercises, and practical workshops. While introductory in assumed knowledge, the subject is designed for postgraduate-level students who are interested in developing moving image production skills.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57168 Sound and Interaction

8cp; availability: not offered to exchange and study abroad students

In this subject, students explore the history, theory and production of new media and sound, involving key historical sound texts, contemporary audio practices, the rise of interactive new media forms and the emergence and impacts of social media, podcasting and other approaches. Students research and examine a range of creative works involving sound and interaction, and utilise social media tools to investigate aspects of sound and digital media culture and production. Students develop basic production skills in audio recording, mixing, and online media development. Students also develop critical, conceptual and technical skills, producing a series of short works with audio and online outcomes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57169 Moving Image

6cp; availability: not offered to exchange and study abroad students

This subject introduces students to the creative challenges and technical demands of making moving images using a range of digital imaging technologies. The subject explores essential concepts and craft skills needed for moving image production in fields such as camera, lighting, directing, sound recording and editing. Students are introduced to concepts of montage, rhythm, juxtaposition and structure, in addition to learning practical skills connected with editing audiovisual media. The subject is structured to encourage students to learn through hands-on learning, experimentation and collaboration. The delivery of the teaching and learning is through a series of seminars, in-class and out-of-class exercises, and practical workshops. While introductory in assumed knowledge, the subject is designed for postgraduate-level students who are interested in developing moving image production skills.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57170 Sound and Interaction

6cp; availability: not offered to exchange and study abroad students

In this subject students explore the history, theory and production of new media and sound, involving key historical sound texts, contemporary audio practices, the rise of interactive new media forms and the emergence and impacts of social media, podcasting and other approaches. Students research and examine a range of creative works involving sound and interaction, and utilise social media tools to investigate aspects of sound and digital media culture and production. Students develop basic production skills in audio recording, mixing, and online media development. Students also develop critical, conceptual and technical skills, producing a series of short works with audio and online outcomes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57171 Writing for the Screen

6cp; availability: not offered to exchange and study abroad students

This subject offers animation students the opportunity to develop screenwriting skills. Students develop a screenplay, 5–10 minutes in length, and suitable for any kind of animation. Students may produce a written screenplay and/or a storyboard-based screenplay. Students develop an original idea and gain skills in storytelling through exploring character development, structure, research and visualisation. Students also improve their ability to read, develop and edit their own work and the work of their peers.

Typical availability

Spring semester, City campus

57172 Advanced Moving Image

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57167 Moving Image OR 57094 Film and Video 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject extends and develops ideas, concepts and technical skills in the context of team-based media production workflows. Students further their understanding of the techniques and conceptual skills required for professional moving image production through a series of seminars, in-class and out-of-class exercises and practical workshops. These skills include film and digital cinematography, data wrangling, production design, directing, location sound recording and production management. Students are introduced to advanced moving image acquisition and hands-on exercises are designed to take students through the technical and conceptual issues involved in realising an idea through moving images. The subject stresses the importance of collaboration in professional media production and students learn skills that help them to be effective crew members and work as part of a creative team. The subject enables students to develop production skills as a basis for future media projects.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57173 Advanced Post Production

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57167 Moving Image OR 57094 Film and Video 1
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject extends and develops ideas, issues, concepts and techniques around post-production, and the concept of the editor as creator of the story. Students further their understanding of these skills in the context of team-based media production workflows through a series of introductory seminars, in-class and out-of-class exercises, and practical workshops. These techniques and theories include non-linear editing, special effects, title design, sound design, data management, collaborative workflow, and a broad range of delivery formats including digital. The subject introduces students to advanced pre-visualisation and post-production techniques involved in various production formats. The subject stresses the importance of collaboration in professional media production and students learn skills that help them to collaborate with directors and producers, working as part of a creative team. The subject enables students to develop post-production skills as a basis for future media projects.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57175 Creative Producing

8cp; availability: not offered to exchange and study abroad students

This subject introduces students to the role and strategies of the creative producer in fields spanning animation, games, film and television, installation art, and cross-media works. Students examine the key issues and concerns of producers working in the creative industries in varying local, national and international contexts. Students are also introduced to key concepts and approaches to funding and finance; marketing and distribution; intellectual property and copyright; budgeting; collaboration; creativity; and sustaining a fruitful and viable creative practice. The subject also covers the pitching of short project proposals. Following a series of introductory in-class seminars and guest lectures, students complete a learning contract outlining their proposal for the remainder of the semester. Typically, this involves a case study and an in-class presentation about a working creative producer. It also involves a self-directed research assignment based on a media, art or industry matter identified by the student. These research findings are presented to the whole class and, where feasible, are also published or presented to other students and media, art or industry bodies.

Typical availability

Spring semester, City campus

57176 Directing

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57167 Moving Image
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

The subject explores the role of the director, with an emphasis on narrative drama. The teaching and learning of the subject is delivered through a series of seminars, in-class and out-of-class exercises, and practical workshops that are designed to develop students' skills as directors. Through a focus on visual storytelling, mise-en-scène, performance and script analysis, the subject explores techniques to elicit performance and determine visual style and coverage relevant to a variety of filmed scenes.

Typical availability

Autumn semester, City campus

57177 Media Arts and Production Minor Project

8cp; availability: not offered to exchange and study abroad students

In this subject, students have the opportunity to develop their professional skills and creative expertise in media arts program making. Students may choose to develop their professional practice through undertaking specialised technical or production roles on other student projects and profiling this work through a resulting show reel or equivalent. For example, students may work as producer, cinematographer or sound designer on a film or video project. Students develop a learning contract that is approved by their allocated academic adviser.

Students may choose instead to complete a short original minor media project in film, video, television, online, sound, radio, performance and installation or multi-platform. The project must be feasible and be able to be completed within one semester. A drama project should not exceed 7 minutes in length. The proposed minor project must be approved by the academic adviser. Students are required to submit critical documentation (approximately 1500 words) of their research, production development and production process to accompany the final project. This documentation should show evidence of the student's critical relationship to their media production practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57178 Digital and Multiplatform Storytelling

8cp; 3hpw (seminar) plus relevant digital media technical/production workshops; availability: not offered to exchange and study abroad students

This subject allows students to develop their conceptual and production skills in digital storytelling and multiplatform production, such as for online, mobile, transmedia, social media, locative, e-book, electronic publishing and other emerging media formats. The subject explores a range of storytelling forms for digital media such as multiplatform and transmedia storytelling; narrative in networked and application (app) formats; episodic media; locative narrative; electronic literature; and other emerging media formats. Building on earlier knowledge, students explore a range of creative, technical and production issues concerning digital narrative, content and multiplatform development. They develop production skills in the new modes of storytelling, publishing and distribution that online, networked and app formats make possible.

Students engage conceptually with issues such as structure, design, user experience, multiplatform project scoping, and digital treatment development for digital and multiplatform storytelling. They expand their production skills through a series of technical workshops and by working in small teams to develop a digital creative work such as a multiplatform or transmedia narrative, episodic media, electronic literature, locative narrative or other relevant digital storytelling project. Where approved, students may choose to work on the multiplatform component of other relevant media projects produced in postgraduate subjects in the Faculty of Arts and Social Sciences.

Typical availability

Spring semester, City campus

57179 Project Development and Creative Practice

8cp; availability: not offered to exchange and study abroad students

This subject develops advanced skills for the research and development of creative media projects. Students learn to take an idea through research to a form ready for production. In this subject students workshop scripts and develop skills in production design and planning. They also develop advanced skills in research and development in media arts through one of the following: by developing specialised knowledge of a particular technical or production area of the media industries; through research and writing a detailed treatment or script for a creative project intended to be taken into 57177 Media Arts and Production Minor Project, 57180 Media Arts and Production Major Project, or intended for production after the subject or through undertaking creative led research into an area of innovation that experiments with the interplay between media forms. The subject is taught by a combination of seminar and learning contract. Students are required to complete seminar assignments and present the progress of their research or development during the seminar. Students are required to work in a crew role on at least one project in production during the semester.

Typical availability

Spring semester, City campus

57180 Media Arts and Production Major Project

16cp; availability: not offered to exchange and study abroad students

In this subject students complete an original short project in film, video, television, online, sound, radio, performance and installation or multi-platform. The completed project should demonstrate the student's advanced professional skills and creative expertise. The project must be successfully completed during the semester, although it may have been developed and commenced during the Research and Development subject or equivalent Scriptwriting subject. It must be feasible to be produced within the resources available both through UTS and those provided by the student from outside UTS. The proposed project must be approved by the academic adviser. Students are required to submit critical documentation (approximately 3000 words) of their research, production development and production process to accompany the final project. This documentation should demonstrate the student's critical relationship to their media production practice. This subject differs from Media Arts and Production Minor Project in that it is expected that the completed project work is conceptually and creatively challenging. The production and/or post-production process should be considerably more demanding and the resulting project should show evidence of the student as a media arts program maker. The subject is conducted by individual or small group supervision.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57181 Recordkeeping Fundamentals

8cp

This subject provides an overview of the key concepts and practices in recordkeeping and the role of records and recordkeeping systems in an organisational and societal context. Students are introduced to theoretical frameworks of the record life cycle and the record continuum as well as the key components of a best practice recordkeeping system within the current Australian legal and regulatory environment. Key recordkeeping practices and tools such as functional classification, metadata schema, records retention and disposal, implementation methodologies and records management policies and processes are explored with reference to current best practice.

Typical availability

Autumn semester, City campus

57182 Rethinking Media

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 57023c Communicating with Publics AND 57022c Foundations of Communication
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

In this subject, students explore the roles and functioning of media in society and engage in critical thinking about media models from 'mass media' to 'social media' and social networks. They review major frameworks for understanding media including the First Media Age and Second Media Age, and examine key concepts from the various traditions of media studies focused on media ownership and control, media texts, media technologies, media effects, media audiences, and media practices. They investigate dysfunctions as well as functions of media, and contemporary shifts such as interactivity, convergence, and hybridisation, as they explore ways in which media are used in the public sphere, for cultural production, and for public communication by organisations. Students read about media, consume media, analyse media, and produce media as part of their learning, including engaging in online research and contributing to an online forum and blog.

Typical availability

Spring semester, City campus

57183 Soundtrack

8cp
Requisite(s): 57168 Sound and Interaction AND 57167c Moving Image
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject focuses on the design and composition of sound for moving image, radio and digital media. Emphasis is placed on location sound recording, track laying and mixing dialogue, effects and atmospheres for both synchronous and non-synchronous media, and critical listening. As a project, students undertake a collaborative work to develop a soundtrack from design to final mix. To facilitate this students are encouraged to work on the soundtrack of projects produced in other subjects of media arts and production, either from the undergraduate and postgraduate project subjects or an assignment as set by their lecturer.

Typical availability

Spring semester, City campus

57184 Documentary: Expanded, Mobile and Networked

8cp
Requisite(s): 57151 Storytelling with Sound and Image
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject allows students to develop their conceptual and production skills in expanded forms of documentary involving social media, online, mobile and app formats. The subject will explore new modes of conceptualising, producing and distributing documentaries; covering online documentary, social media, mobile and locative projects and other relevant emerging technologies and formats. Building on earlier knowledge, students will explore a range of creative, technical and production issues concerning expanded online documentary production. They will develop production skills in new modes of storytelling, publishing and distribution that online, networked and app formats make possible.

Typical availability

Spring semester, City campus

57185 Journalism Major Project 1

8cp
Requisite(s): (57011 Research and Reporting for Journalism AND (57151 Storytelling with Sound and Image OR 57014 Feature Writing) AND 57013c Journalism Studies)
There are also course requisites for this subject. See access conditions.

This subject is designed for students who have substantial experience in journalism and are ready to work independently. Working under the supervision of an appropriate member of staff, students devise, research, and draft a plan for a journalism major project and/or exegesis, which is completed and polished to a high standard in Journalism Major Project 2. Students are encouraged in this subject to explore and extend, through reading and redrafting, the possibilities of their chosen form and genre.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57186 Journalism Major Project 2

8cp
Requisite(s): 57185 Journalism Major Project 1
There are also course requisites for this subject. See access conditions.

This subject is designed for students who have substantial experience in journalism and are ready to work independently. Students devise, research, and draft a substantial (10,000 words or equivalent) work of journalism. The writing may be in any platform, depending on the viability of the project and the availability of academic advice. Students are encouraged in this subject to explore and extend, through reading and redrafting, the possibilities of their chosen form and genre. They are also encouraged to work independently.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57187 Specialist Journalism

8cp
Requisite(s): 57011 Research and Reporting for Journalism
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject aims to flexibly develop analysis and/or advanced practices in professional journalism. It allows journalism students to critically engage in issues relevant at particular and appropriate points of time; generated by national or international events, political, social or economic developments, debates, data or document releases. Students work to deadlines, creating scholarly works and/or researching and reporting stories for journalism publications.

Typical availability

Autumn semester, City campus

57188 Writing Project 1

8cp
Requisite(s): 57041 Narrative Writing AND 57134 Theory and Creative Writing
There are also course requisites for this subject. See access conditions.

This subject is designed for students who have substantial experience in writing and are ready to work independently. Working under the supervision of an appropriate member of staff, students devise, research, and draft a substantial (7,500 words or equivalent) work of creative writing, which will be completed to 15,000 words and polished to a high standard in Writing Project 2. The writing may be in any genre, depending on the viability of the project and the availability of academic advice. Students are encouraged in this subject to explore and extend, through reading and redrafting, the possibilities of their chosen form and genre. They are also encouraged to independently form their own writing groups in which to discuss their work.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57189 Writing Project 2

8cp
Requisite(s): 57188 Writing Project 1
There are also course requisites for this subject. See access conditions.

This subject is designed for students who, having completed Writing Project 1, have substantial experience in writing and are ready to work independently. Working under the supervision of an appropriate member of staff, students complete and polish their 15,000-word (or equivalent) creative project to a high standard (this

15,000-word project includes the 7,500-word, or equivalent, project undertaken in Writing Project 1, though these may be substantially rewritten, if desirable). The writing may be in any genre, depending on the viability of the project and the availability of an appropriate supervisor. Students are encouraged in this subject to explore and extend the possibilities of their chosen form and genre. They are also encouraged to independently form their own writing groups in which to discuss their work.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57190 Writing Seminar

8cp

Requisite(s): 57031 Non-fiction Writing AND 57041 Narrative Writing AND 57134 Theory and Creative Writing

There are also course requisites for this subject. See access conditions.

This is an advanced subject for students in the Master of Arts in Creative Writing. It brings together graduate writing students from a number of areas to workshop their own and each others' creative work, provide and receive productive feedback on work-in-progress, and to explore aspects of contemporary writing practice and theory that are both directly related to and/or challenge their own practice. It also prepares students for independent professional practice as writers.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57989 Mise-en-Scene

8cp

Graduate subject – Media Arts and Production – 400 level

In this subject, students develop advanced skills in visual style. Students have the opportunity to examine mise-en-scène in a range of audio-visual screen works. They study in depth the inter-relationship of elements which comprise a particular style and the way this contributes to genre. Through individual research, seminar presentations and production exercises, students develop skills in planning a visual and sound style for their film, video or new media work.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57994 Managing Organisational Communication

8cp; availability: not offered to exchange and study abroad students

In this subject students develop their understanding and capacities for working in an internal communication management role. They develop strategies for employee/member communication for an organisation and produce plans and budgets for their implementation. Students address the strategy by creating e-newsletters for internal organisational publics, demonstrating their writing and design skills and their understandings of internal issues identification and management.

Typical availability

Autumn semester, City campus

57995 Learning in Organisations

8cp; availability: not offered to exchange and study abroad students

This subject seeks to orientate students to current practices in organisational learning. It examines the various theories of organisational learning from the perspectives of the individual, organisational unit and whole organisation. The application of these theories to organisations in various sectors is critically examined and case studies of organisational learning are used to illustrate the impact of organisational learning on the long-term performance of the organisation. The future of organisational learning in the contexts of economic, social, demographic and technological change is also examined.

Typical availability

Autumn semester, City campus

57996 Marketing and Corporate Communication

8cp; availability: not offered to exchange and study abroad students

In this subject students focus on integrative communication strategies that link stakeholders to an organisation. They examine the intersection of public relations and marketing. They research, design, plan and budget integrated communication strategies for clients in the commercial and not-for-profit sectors. Campaigns may include product promotion, social marketing or corporate identity and reputation.

Typical availability

Autumn semester, City campus

57997 Professional Communication Project

8cp; availability: not offered to exchange and study abroad students

Requisite(s): 57022 Foundations of Communication AND 57023 Communicating with Publics AND 57028 Research for Communication Professionals

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject allows students to pursue further studies in their area of professional and/or scholarly interest in the field of communication management. Students further develop their critical and analytical skills in communication management appropriate to working in consultancy and advanced management roles, extend and deepen their conceptual understandings of communication management, and develop competencies in research and theory building. The body of work undertaken may include an internship or critical production or a small independent research project and a reflective journal. The project enables students to link their professional work to the theories and skills covered in modules undertaken during the subject. The reflective journal provides a framework for developing the ability to reflect critically on practice through the application of different models of reflection.

Typical availability

Autumn semester, City campus

Spring semester, City campus

57999 Digital and Multiplatform Storytelling

6cp; 3hpw (seminar) plus relevant digital media technical/production workshops, weekly, on campus; availability: not offered to exchange and study abroad students

This subject allows students to develop their conceptual and production skills in digital storytelling and multiplatform production, such as for online, mobile, transmedia, social media, locative, e-book, electronic publishing and other emerging media formats. The subject explores a range of storytelling forms for digital media, such as multiplatform and transmedia storytelling; narrative in networked and app formats, episodic media; locative narrative; electronic literature and other emerging media formats. Building on earlier knowledge, students explore a range of creative, technical and production issues concerning digital narrative, content and multiplatform development. They develop production skills in the new modes of storytelling, publishing and distribution that online, networked and app formats make possible.

Students engage conceptually with issues such as structure, design, user experience, multiplatform project scoping and digital treatment development for digital and multiplatform storytelling. They expand their production skills through a series of technical workshops and by working in small teams to develop a digital creative work such as a multiplatform or transmedia narrative, episodic media, electronic literature, locative narrative or other relevant digital storytelling project. Where approved, students may choose to work on the multiplatform component of other relevant media projects produced in postgraduate subjects in the Faculty of Arts and Social Sciences.

Typical availability

Spring semester, City campus

58101 Understanding Communication

8cp

In this foundation subject students investigate the role of communication in society and the different ways in which communication is understood and practised interpersonally, socially, culturally and professionally. Students examine communication from the perspectives of writers, producers, journalists, creative artists,

advertising and public relations practitioners, information managers, and from social, cultural and political perspectives. The interrelated roles of authors/producers, audiences, texts and contexts are explored through research, reading, projects and discussions. Students also gain practical experience through conducting interviews and presenting their findings in writing, photography and video, and in various online forms using digital media.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58102 Language and Discourse

8cp

This subject introduces three key communication concepts, develops a thematic study and teaches skills in the medium of sound. The concepts are Discourse, Genre and 'Multimodality'. Through multimodal analysis and practice, students understand communication as combinations of representations, cultural forms and specific communicative resources (verbal and non-verbal, visual and auditory, etc), assembling complex relations of thoughts and feelings. The thematic research explores the different ways in which important social and cultural issues are represented in a range of media. Students extend their learning by experimentation in multimodal writing in different genres, such as 'report', 'story', argument', 'appeal', etc, and they reach out for different audiences with sound practice. The subject equips students with the concepts and methods to reflect critically on their own experience of language phenomena through the issues systematically explored.

Typical availability

Autumn semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/T0BVfkCXrCE
- Academic video: www.youtu.be/PzDnAVZ9ISA

58103 Ideas in History

8cp

This subject engages students in critical examination, discussion and reflection on some of the key ideas and intellectual movements in world history and how these inform current social, cultural, economic and political thought and practice. In particular, it explores how ideas and worldviews frame and influence communication socially, culturally and politically. Students explore non-Western as well as Western ideas and viewpoints and ways of understanding human history including those ideas and intellectual traditions attached to the categories of the 'modern' and modernity, the 'post-modern' and post-modernity and 'tradition' – culture, custom and community. These are examined through various themes from multiple cultural perspectives and activities which include those based in museums and other sites where ideas and their histories are represented.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/fjA9bR12JRU
- Academic video: www.youtu.be/RRGQWbUjOS0

58110 Introduction to Journalism

8cp

Students are introduced to principles of professional journalism and its theoretical and ethical dimensions. Students examine the practice of journalism in relation to its historical, economic, political and social contexts with a focus on the impact of the internet on contemporary news media practice. Students research and produce original news stories to deadline and build online ePortfolios. They are introduced to Newsday, the real-time UTS newsroom. Through a critical examination of the process of research and reporting, students develop the rigorous skills required for journalism in the public interest.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58111 Reporting with Sound and Image

8cp; availability: exchange and study abroad students with faculty approval

Requisite(s): 58110 Introduction to Journalism

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

The use of sound and image in journalism professional practice is explored. Students develop their sound and video recording, interviewing, writing and editing skills to produce short news and current affairs reports for broadcast media. Students build an understanding of how changes in online media are impacting on audio/visual journalism. They critically analyse professional and ethical issues that arise in the context of broadcast journalism, including their own. The relationship between publishing formats and storytelling is explored. Students develop ideas and produce current affairs reports, drawing on a range of sources and build on basic news reportage, both in form and content. Students edit, package and publish reports on NewsDay.

Typical availability

Spring semester, City campus

58112 Reporting and Editing for Print and Online Journalism

8cp

Requisite(s): 58110 Introduction to Journalism

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject develops skills in research and reporting and introduces editing for online and print media. Students extend their abilities as reporters by developing more advanced research skills and interviewing and writing techniques appropriate for the production of longer stories. Students are introduced to basic skills and strategies for the editing and publishing of stories for publication. They learn to shape stories for specific audiences by writing introductions, headlines, captions and adding links and other online elements. Students develop an appreciation of the importance of accuracy and clarity for publishing and consider ethical and legal implications that arise during the publishing process. Throughout the semester, students develop their ability to critically analyse contemporary news and current affairs practices in local and international contexts. They publish reflections on their own and others' journalism practice in their ePortfolios. Students research, write and edit stories to deadlines in a newsroom environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58113 Exploring Media Arts

8cp; availability: exchange and study abroad students with faculty approval

This subject explores creative media arts practices across moving image, audio and participatory forms. It introduces students to relevant media arts histories and contexts in addition to a range of technologies, media practices and production techniques. Each semester is based around a specific theme, such as time, speed, place or memory, which is explored through creative play. Working on creative exercises, students are introduced to core skills and understandings in media arts practice. They gain basic skills in synopsis writing, production planning, content gathering in image and sound, mixing and editing, safety issues, and collaborative work practices. Students publish and reflect on their creative practice online, a process which is continued in subjects throughout the major.

Typical availability

Autumn semester, City campus

58114 Fictions: Storytelling, Narrative and Drama

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58113 Exploring Media Arts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject is an exploration of narrative storytelling and drama in media. Students are introduced to narrative forms in media including concepts of structure, suspense and drama along with scriptwriting for narrative works. Student learning in this subject focuses on ways of working with the interplay between visual and aural style, and performance and narrative form across a variety of media. Assessment tasks include writing concept documents for media projects, group narrative exercises and online reflection and self and peer feedback.

Typical availability

Autumn semester, City campus

58115 Composing the Real

8cp
Requisite(s): 58113 Exploring Media Arts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject explores conceptual and production approaches to documentary media forms. Students are introduced to key documentary modes and examine and develop documentary projects involving a range of outcomes from photo essay to video and sound documentary to emerging online and interactive documentary projects. Activities include short documentary exercises across a range of media and the development of a short documentary treatment. Hybrid forms and boundary blurring such as reality TV, blogging and other cross-overs between fiction and non-fiction are also examined. Throughout the subject, students investigate the issues facing media producers seeking to work with the 'creative interpretation of reality'.

Typical availability

Spring semester, City campus

58116 The Ecology of Public Communication

8cp

Students explore the field of public communication and the major areas of practice. They gain an understanding of the role of communication in the public sphere, of audiences, environments and contexts of communication, including professional communication practices and issues around integration and convergence. Students learn how public communication, public relations and advertising are conceptualised and practised in various types of organisations and interest groups including organisational communication and marketing communication. They explore issues and controversies in the field such as social representations, agendas and advocacy. Students also begin to produce their own work in advertising, public relations and organisational communication including using new media.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58117 Principles of Public Relations

8cp
Requisite(s): 58116 The Ecology of Public Communication
These requisites may not apply to students in certain courses. See access conditions.

In this subject, students learn about theories, models and principles of contemporary public relations, tracing the historical evolution from technical function to strategic management. Major areas of employment such as media, community and stakeholder relations, public sector and internal communication are reviewed. Case studies and professional issues are used to analyse current practice, developing understanding of ethics and socially responsible practice. Students are introduced to writing and research skills essential for practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58118 Principles of Advertising

8cp
Requisite(s): 58116 The Ecology of Public Communication
These requisites may not apply to students in certain courses. See access conditions.

Students are introduced to the principles and practice of advertising and its unique role in business and society. Creativity in advertising is examined through an exploration of the art and science of advertising and how these apparent contradictions influence principles and industry practice. Students learn how to develop and present a range of creative ideas appropriate to the various stages of effectively promoting a product, service or idea in sectors as diverse as public, private and not-for-profit.

Typical availability

Spring semester, City campus

58120 Creativity and Culture

8cp
Requisite(s): 58119 Text and Context
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject prepares students with a reflective knowledge about contemporary directions and debates in current creative practice. Students research, design, write and publish a creative project in essay, non-fictional or fictional form. They analyse a range of different perspectives (philosophical, psychological, inspirational and practical) on the connection between creativity and invention and on generic forms of creative, essayistic, fictional and non-fictional writing. Theories of narrative and voice, relationships between identity, subject and the representation of the self in the creative text, as well as contemporary approaches to the essay and to experimental forms of critical discourse, are discussed throughout the subject. Students respond to these contexts in the creative work they complete during the semester.

Typical availability

Autumn semester, City campus

58121 Fictional Forms

8cp

Students are brought into close contact with creative practice in both mainstream and emergent forms of fiction and narrative as they investigate the question 'what is fiction?'. The subject introduces a wide range of recent and modern forms of fiction writing as technical examples and thematic models. Throughout the semester students produce and collectively workshop their own writing in fiction or script. At the same time, critical debate within the class explores the limits and the possibilities of the contemporary text together with the functional operation of categories such as 'author', 'genre', 'narrative', 'performance', 'subjectivity', 'meaning', 'reading', 'writing' and 'text', including in relation to innovative formats such as hypertext or other electronic formats. Students are encouraged to choose within a wide range of fictional forms for their creative writing.

Typical availability

Spring semester, City campus

58122 Introduction to Social Inquiry

8cp

How do we understand the structure and changing nature of the social world? This subject provides an introduction to key ideas in social and political thought which enable the critical interpretation of social life. It focuses on concepts such as gender, race and social class, and explores how they can be applied to understand society and the life-paths of individual social actors. As a core activity of the subject, students undertake their own empirical biographic or 'life-story' analysis as a vehicle through which to begin to develop their social research skills and to concretely explore the ways the social structures explored shape the possibilities of individual agency.

Typical availability

Autumn semester, City campus

58123 Society, Economy and Globalisation

8cp
Requisite(s): 58122 Introduction to Social Inquiry
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

To understand the problems of global society and develop possible solutions, we must try to understand the political dimensions of 'the economy', or in other words to consider how political power shapes and is shaped by changing distributions of wealth and poverty. This subject introduces students to key concepts and debates in political economy and the study of globalisation. In particular, it assesses the rise of the ideology of the 'free market' to global pre-eminence in recent decades, and the increased capacity of transnational corporations to influence political institutions and democratic governance. A snapshot of international trade is developed, with students focusing on a specific commodity, such as coffee, soy or uranium, to chart its passage through global society. These global networks are explored from sites of extraction to manufacture, retail, consumption and disposal. Social, political and ecological impacts are highlighted using quantitative and qualitative data drawn from internationally available data. Students use insights gained from these investigations to explore popular perceptions of globalisation and consumer culture, and of the globally traded commodities by which we are made interdependent. Throughout the subject, students consider: (a) the problem of measurement in the social sciences, and the way measurements and statistics are made and deployed as evidence in policy debates, and (b) alternative goals for social development, such as equity and sustainability.

Typical availability

Autumn semester, City campus

58124 Local Transformations

8cp
Requisite(s): 58122 Introduction to Social Inquiry
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

The way we think about relationships between the individual, local community life and the wider social order is addressed in this subject through investigation of the intersections between time, place and agency. Students investigate issues such as how the historical legacies of locality are connected to present possibilities and future hopes, how localities are produced in relation to each other in cross-national and trans-local interactions, and how local capacity or agency is linked to local, national and transnational power hierarchies, whether in terms of dominance or marginality. This subject introduces students to survey research methods. Students engage a range of theoretical approaches and integrate them with survey methods, developing communication skills to present resulting insights.

Typical availability

Spring semester, City campus

58125 User Experience Design

8cp

This subject introduces students to the principles of creative information design: audience analysis, contextual writing, colour, typography and layout. Students design, create the content and produce for selected clients useful information products in a range of digital and non-digital formats and media. The design process introduces students to creative problem-solving, collaborative work practices and the principles of usability and self-assessment. Students begin the development of their course-wide ePortfolio which contains examples of work such as specialised written texts, brochures, images and webpages.

Typical availability

Autumn semester, City campus

58126 Information Discovery and Analysis

8cp
Requisite(s): 58125 User Experience Design
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Students are introduced to a range of techniques that enable them to conduct sophisticated searches and analysis in digital environments. Using case-based approaches and a real-life scenario, they learn to apply these skills to a particular problem. By analysing and reflecting upon approaches to the execution of searches as well as the significance of the content of information located through these searches, students develop an understanding of information systems and an appreciation of their strengths and current limitations. To develop an understanding of potential strategic uses of information, they learn how to analyse information to create compact syntheses that suit the needs of different audiences in different contexts. In a collaborative learning environment, students also critically examine themes associated with information practices in a digital world. Students continue to contribute to their course-wide ePortfolio.

Typical availability

Spring semester, City campus

58127 Information Cultures

8cp
Requisite(s): 58125 User Experience Design
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Students are introduced to the conceptual and methodological tools they need to actively engage with the organisations and communities they will work with in the information, communication and creative industries. They develop a critical understanding of the complex interrelationship between people, information, knowledge and culture and of the central role of theory and research in effective professional practice. The subject introduces students to theories and empirical research from a range of disciplines including information behaviour, communication theory, philosophy and sociology, as well as to a range of research methodologies for exploring and analysing both individual and collective information/knowledge behaviour and practices. Students apply their theoretical and methodological learning to the development of a practice-based pilot research project. In doing so, students develop an appreciation of the importance of practice-based research as the basis for research-based professional practice. Students make further contributions to their ePortfolio.

Typical availability

Autumn semester, City campus

58128 Strategic Public Relations

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58117c Principles of Public Relations
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject equips students with knowledge and practical skills in research, planning and budgeting for strategic communication campaigns. They learn to assess and develop strategy by identifying issues, publics and options for communication and relationship management. They develop their expertise in designing, writing and managing innovative, multimedia campaigns to address client and communication problems and opportunities. Students design and present a professional client pitch.

Typical availability

Autumn semester, City campus

58129 Advertising Campaign Practice

8cp
Requisite(s): 58118c Principles of Advertising
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Students gain insight into the various agency disciplines and their contribution to campaign research and strategy, creation and production of ideas, media planning, and pitching as an agency team. Topics include the significance of strategic planning in campaign development, conceptual issues involved in the production of advertising ideas, and the development and selling of an integrated campaign to a client. Students engage in scriptwriting and the production of storyboards for broadcast media.

Typical availability

Autumn semester, City campus

58201 Communication and Cultural Industries and Practices

8cp
Requisite(s): 58101 Understanding Communication OR 58102 Language and Discourse OR 58103 Ideas in History
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Looking back and forth between theory and practice (individually and collectively), this subject examines ways that media, information and communication figure in our everyday practices. It examines the development of the communication and cultural industries and practices with a particular focus on current practices and technologies of convergence, and on ways of theorising and understanding the relationship between producers, texts and audiences. Students are introduced to practice and the roles of communication professionals in different contexts. The subject provides an overview of important historical and political developments within communication and cultural industries, critically interrogating how communication and information products are produced, in what organisational and economic contexts, and for what purposes. The Australian situation is placed in its international context and with reference to the changing roles of digital technologies, public and private sector production/distribution and the role of governments.

Typical availability

Autumn semester, City campus

58202 Regulating Communication: Law, Ethics, Politics

8cp
Requisite(s): 58101 Understanding Communication OR 58102 Language and Discourse OR 58103 Ideas in History
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Public, organisational and everyday communication practices are shaped through laws, policies and ethical codes. Investigating and comparing different regulatory approaches tells us much about our own assumptions about communication and its role in shaping our lives. Contests over law and ethics reflect underlying social, economic and political conflicts that shape political agendas and define public policy. The subject explores communication regulation in a range of Australian and international contexts and from historical and cross-cultural perspectives. Students investigate how codes and laws relate to communication practices by selecting from a range of topics such as defamation, censorship, intellectual property, privacy, data protection, surveillance, racial vilification, whistle-blowing, confidentiality, freedom of information, and the role of inter-state organisations, such as the United Nations, and non-government organisations. Students develop their practical understanding of these topics through a simulation role-playing game based on a hypothetical scenario designed to raise regulatory issues of contemporary relevance.

Typical availability

Spring semester, City campus

58210 Storytelling, Narrative and Features

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58110 Introduction to Journalism OR 58111 Reporting with Sound and Image OR 58112 Reporting and Editing for Print and Online Journalism
These requisites may not apply to students in certain courses. See access conditions.

This subject is designed to move students from news production to storytelling through longer form journalism, focusing on the production of features and other forms of non-fiction narrative in a range of media. Genres such as investigative and literary journalism are considered. The subject aims to give students an insight into a range of styles and their applications across the mediums and the implications for storytelling of convergence and interactivity including the 'packaging' of feature stories for online publication. An understanding of voice, story structure, interviewing technique, language and, where relevant, the use of visual images and sound are further developed in the context of students' own story production. Through a reflective approach, students develop a critical appreciation of the role played by narrative and language in media discourse and how this relates to the work of journalists.

Typical availability

Spring semester, City campus

58211 Specialist Reporting, Audiences and Interactivity

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58210 Storytelling, Narrative and Features
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject introduces specialist genres and 'rounds' in journalism. Students are introduced to investigative research techniques within specialist rounds such as environment, health, technology, arts, sports, law, media, business and politics. Students form reporting and editing teams around specific rounds. By developing their own chosen round and monitoring how the round is covered by professional journalists they develop a critical understanding and ability to develop relationships with sources, produce interactive journalism for specific audiences and work in collaborative teams. Students build their own eportfolios and specialist reporting teams contribute to the UTS media hub by producing work using a range of media forms.

Typical availability

Spring semester, City campus

58212 Aesthetics

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58114 Fictions: Storytelling, Narrative and Drama OR 58115 Composing the Real
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject explores how media arts aesthetics work through engaging the senses and emotions. It provides students the opportunity to develop the potential impact of a work through experimenting with form, composition, and poetics. The subject examines how aesthetics are both culturally determined and dynamic.

During the subject, students explore these ideas using techniques such as remixing and experimental approaches to composition and form. The resulting works may be cross-platform and cross-media, including installation works, time-based and interactive media, and sound art.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58213 Research and Practice

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 58114 Fictions: Storytelling, Narrative and Drama OR 58115 Composing the Real
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Students have the opportunity to develop their creative practice and capacity for critical reflection through conceptualisation, research and writing. This subject allows students to develop their final projects and / or to undertake research and targeted skill development towards that project. Students undertake skill and conceptual development in modules from a number of choices offered each semester. These modules have a practical and conceptual development focus. Students work in an intensive mode within specialised areas of media arts production and undertake case study research within this framework.

Typical availability

Spring semester, City campus

58214 Media Writing and Production

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58117 Principles of Public Relations OR 58128 Strategic Public Relations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Students develop knowledge and practice in writing and producing materials such as media releases, feature articles, newsletters, brochures, speeches, profiles, websites and print, and online production. The requirements of different genre and styles of public communication writing are explored together with issues rhetoric and persuasion in public relations. Students enhance their skills in writing, design production and the application of these skills to the internet. Student work integrates theories and principles of effective public communication with technical skills in their fields of focus.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58216 Imagining the Real

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58121 Fictional Forms
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject focuses on the concept of the real. Students are asked to engage with the history, contexts, conventions and current debates centred on the notion of 'the real'. Students choose different approaches to these issues in terms of creative and theoretical perspectives. The subject aims to develop students' awareness of the wide possibilities and scope of non-fiction writing and enables them to produce an extended piece of non-fiction writing in a workshop environment. The laboratory acts as a context for researching how the notions of the real are associated with questions to do with society, culture and globalisation no less than to do with issues of subjectivity, the senses and corporeal knowledge. Each class acts as a space in which students test out received and experimental approaches to writing and thinking about the real. Truth telling, the use of fictional mode in non-fictional forms of writing, concepts of simulacrum, verisimilitude, revelation and authenticity, and the ethical contexts of documentation are key features of each class's work. Students are asked to nominate the area in which they intend to write and are assisted in researching and contextualising that area.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58217 Experiments in Culture

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58119 Text and Context OR 58121 Fictional Forms OR 58120 Creativity and Culture
These requisites may not apply to students in certain courses. See access conditions.

Students have the opportunity to study and write within one of the following forms: non-linear and interactive writing, poetry, critical and theoretical writing, or screenwriting for innovative film and image. This subject challenges students to create situations or events in which forms of culture are composed in such a way as to propel them into new situations, for instance to find new audiences. During the subject examples are given of how, in various other times and places, artistic and intellectual movements have gathered impetus and evolved as historical cultural forms. Students work in different workshops within these forms over the semester, sharing key readings and references. An emphasis is placed throughout the semester on original and innovative subject matter, on the capacity of the student to become familiar with and expert in the technical range of the chosen form of writing and to research its recent and longer term history.

Typical availability

Spring semester, City campus

58218 Ideology, Beliefs and Visions

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58122 Introduction to Social Inquiry OR 58123 Society, Economy and Globalisation OR 58124 Local Transformations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Social change produces ideas but ideas also produce or prevent social change. The ideologies we live under, the beliefs we may hold and the visions to which we aspire are rooted in our experiences but they also transcend them. The capacity to change society can hinge on this ability to inspire people to action. Students examine matters such as what produces beliefs and ideologies and how they are built into coherent worldviews through successive generations, the differences between religious cosmologies, political ideologies and visions and the ways they transform peoples' lives and the source of their potency and danger. They explore different types of ideas in the context of political ideologies, religious values and visions for a better society. Students develop and investigate a research question relevant to the role of ideas in social change, using participant observation and qualitative interviews to analyse ideational dynamics in real world contexts.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58219 Policy and Advocacy

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58122 Introduction to Social Inquiry OR 58123 Society, Economy and Globalisation OR 58124 Local Transformations
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Policy making takes place in the interaction between governments, communities, business and other interest groups at local, regional, national and international levels. Contending players deploy differing communication strategies to gain influence over the policy process and its outcomes. This subject engages with the processes of communication associated with the development, contestation, implementation and evaluation of social change strategies. It encompasses activities by movements, organisations and institutions such as international and local NGOs, national, state and local governments, political parties, action groups and various groups of mobilised citizens. Students develop critical and analytical perspectives drawing on relevant theory and learn to apply them through advocacy, policy development and communication practices. Students become practised in action research and communicative advocacy and through strategic application of digital resources and media.

Typical availability

Spring semester, City campus

58220 Designing for the Web

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58125 User Experience Design OR 58127 Information Cultures OR 58126 Information Discovery and Analysis
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject examines the conceptual and aesthetic aspects of designing for the web: creating content, writing for the web environment and designing website architecture including structuring and tagging content to enable browsing and searching, as well as developing basic skills in designing database-driven web sites and Web 2.0 technologies. Students, applying acquired web skills work both individually and in small groups to develop creative projects and exercises throughout the subject. Students also learn to critically evaluate website usability and accessibility and to reflect on issues of web-based communication. Students also make further contributions to their e-portfolio.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58221 Social Informatics

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58125 User Experience Design OR 58126 Information Discovery and Analysis OR 58127 Information Cultures
These requisites may not apply to students in certain courses. See access conditions.

This subject critically examines the interplay between society and technologies. Students develop an advanced understanding of the key social issues associated with the design, uses and consequences of information and communication technologies that takes into account human interaction with technology in a range of institutional and cultural contexts of development and deployment. The subject builds on understandings of the interpretation and representation of knowledge; how particular knowledges are privileged and translated; and the relationship between issues of access and power. Students develop critical analysis skills required to understand the dynamic nature of relationships affecting the transfer and use of knowledge and information in emerging social and technological contexts.

Typical availability

Not offered in 2013.

58222 Global Politics from Above and Below

8cp
Requisite(s): 99201c Global Histories
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

World order hierarchies pattern world politics. From above, dominant Northern states, militaries and corporations reproduce the status quo. From below, social movements, non-government organisations and Southern states seek alternative models for world order. Conflicts between dominant and subordinate forces shape central issues of world politics including issues of world peace, global poverty, environmental change, international migration and women's status. These and other issues are addressed in this subject, which aims to convey the dynamics driving change and transformation in global politics. Ways of understanding world politics from traditional international relations approaches to post-colonial and southern perspectives are evaluated against key issues and problems.

Typical availability

Spring semester, City campus

58223 Social Bodies

8cp

This subject unravels the body as the key site through which the reproduction of social structures and norms are secured and contested. The socio-biological matter of the body is interrogated, including an examination of habitual body competencies and feeling-states. The subject questions the 'geography closest in', setting in train a progressively broadening consideration of how body-formation is intimately linked to the formation of culture and states.

Typical availability

Spring semester, City campus

58224 Australian Pasts and Places

8cp

In this subject, students investigate the idea of 'Australia' through an exploration of the idea of place and the embodied pasts that become known to us through place. They study the ways in which landscape, country and spatial poetics have given rise to a particular way of imagining Australia through various disciplinary approaches. In this subject they question not just how does Australia 'appear' but how can we write the affective force of a placed Australia over time? They research ways in which ideas of belonging to country or attempting an embodied history challenge ideas of both place and the past as well as a unitary notion of 'Australia'.

Typical availability

Spring semester, City campus

58225 Introduction to Film Studies

8cp

This subject provides students with a comprehensive introduction to key movements and directors in the history of cinema, and key theories and debates that have defined film studies as a discipline. Through a detailed engagement with films from a diverse range of political, historical and national contexts, students develop the vocabulary and skills to think and write about film in an informed, critical and scholarly way.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58226 Media, Mediation, Power

8cp

This introduction to media studies examines significant debates about the social, political and psychological power and effects of modern (post-WWII) media: the press, radio, television, and the internet. The course investigates what constitutes a medium of communication and how this has changed through time. It considers how each medium uniquely mediates among key social agencies, the state, communities, and citizens. It investigates the questions: How do people use media? How do the media use people? How are the media involved in social and historical change? Through the study of individual and converging media (including television, the press and the internet), students engage with the principal theoretical approaches to understanding media and mediation, technological determinism, and the increasingly active use of digital, converging media in students' own lives.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58227 Balancing World Views: Introduction to Aboriginal Cultures

8cp

This subject explores Indigenous and non-Indigenous peoples worldviews and draws upon a range of intellectual disciplines, Indigenous studies, history, anthropology, and sociology.

The aim of the subject is to establish a critical learning framework for appreciating different ways of knowing, being and doing as explored through a backdrop of colonial and current experiences in Australia and internationally. Indigenous and non-Indigenous worldview encounters provide opportunities to examine and comprehend these experiences.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58228 Climate Change: Politics and Ecology

8cp

With climate change the ecological crisis is visible as a global crisis. Worldwide, it is already exhausting nourishing landscapes, causing extinction of species and displacements of peoples. The possibility of catastrophic climate change is now on the international policy agenda. Low-income societies are in the immediate firing-line, while global elites, about a fifth of the world's population (including most Australians), continue to reap the benefits of carbon-intensive development. Such asymmetries raise profound issues of environmental ethics and justice. These foreground relations between species, between nature and livelihood, between generations, and between young and old, pose a fundamental challenge to notions of sustainable development. To find new possibilities and transformations, this subject engages with climate politics, from global frameworks to local actions. Students analyse climate discourses from scientists, corporate executives, social activists and governments. They investigate key sites of climate politics, such as climate governance and emissions trading, adaptation to new climate conditions, climate action, and mobilisation for climate justice.

Typical availability

Spring semester, City campus

58229 Brand Advertising Strategies

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58118 Principles of Advertising OR 58129 Advertising Campaign Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Students explore consumer relationships with brands, the factors driving change and the use of brand equity models in their management and advertising strategy. A practice-based approach to consumer research develops students' skills in using creative and experimental techniques to uncover ideas for brand advertising. Students present their recommendations for communication as an integrated campaign with creative work in two media/channels.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58230 Professional Advertising Practice

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58118 Principles of Advertising OR 58129 Advertising Campaign Practice OR 58229 Brand Advertising Strategies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Students examine the image of their chosen profession and the impact of social and industry perceptions on professional conduct within the advertising industry. Examining the relevant codes of conduct, legal, ethical and regulatory frameworks that govern and guide professional advertising practice, students identify the responsibilities affecting the professional pathway they plan to pursue, and assess their suitability for it. Topics include professional service firms, responsibilities to clients, career profiling, objectivity and independence, competence, public interest, integrity, confidentiality, reporting, and accountability.

Typical availability

Spring semester, City campus

58231 Organisational Communication

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58117 Principles of Public Relations OR 58128 Strategic Public Relations OR 58214 Media Writing and Production
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Students develop their understanding of interpersonal, group and organisational communication. They develop knowledge of organisational culture and use metaphor as an analytical tool for understanding organisations and communicating with internal publics. Students apply organisational communication theory to a change scenario and develop communication strategies, including special events, issues management and internal communication.

Typical availability

Spring semester, City campus

58301 Communication Practice Project

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 96 Credit Points in spk(s): C10246 Bachelor of Arts in Communication (Journalism) OR 96 Credit Points in spk(s): C10247 Bachelor of Arts in Communication (Media Arts and Production) OR 96 Credit Points in spk(s): C10248 Bachelor of Arts in Communication (Public Communication) OR 96 Credit Points in spk(s): C10249 Bachelor of Arts in Communication (Writing and Cultural Studies) OR 96 Credit Points in spk(s): C10250 Bachelor of Arts in Communication (Social Inquiry) OR 96 Credit Points in spk(s): C10251 Bachelor of Arts in Communication (Information and Media) OR 96 Credit Points in spk(s): C10252 Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10253 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10254 Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10255 Bachelor of Arts in Communication (Writing and Cultural Studies) and in International Studies OR 96 Credit Points in spk(s): C10256 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10257 Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies OR 96 Credit Points in spk(s): C10258 Bachelor of Arts in Communication (Journalism) Bachelor of Laws OR 96 Credit Points in spk(s): C10259 Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws OR 96 Credit Points in spk(s): C10260 Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws OR 96 Credit Points in spk(s): C10261 Bachelor of Arts in Communication (Public Communication) Bachelor of Laws OR 96 Credit Points in spk(s): C10262 Bachelor of Arts in Communication (Writing and Cultural Studies) Bachelor of Laws OR 96 Credit Points in spk(s): C10263 Bachelor of Arts in Communication (Information and Media) Bachelor of Laws OR 96 Credit Points in spk(s): C10311-C10319 OR 96 Credit Points in spk(s): C10332-C10337

This is the capstone subject in the BA in Communication, designed to bring together knowledge and skills gained by students throughout their entire course. Students have the opportunity to work on projects that develop creative and innovative responses to communication and/or media issues and problems. Students work collaboratively in cross-program teams which may also work with external 'clients' or partners in projects. At the beginning of the semester, a contract for the project is negotiated between the student group and their 'client'. Students need to assess their progress and write critical reflections and evaluations on the projects and project processes. There may be opportunities for students to organise symposia or conferences to present these reflections. Course professional portfolios – in electronic and other media – are finalised.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58310 Media Hub

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58210 Storytelling, Narrative and Features AND 58211 Specialist Reporting, Audiences and Interactivity
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject draws together the threads of all other subjects in the Journalism major in a final project that showcases students' skills in one or more mediums of their choice. This project includes both journalism production and critical reflection. It may include producing individual pieces of journalism, taking on individual editing and publishing roles in the UTS Media Hub or other UTS Journalism publications, or designing and producing a pilot issue of new publications. To commence the subject students produce a critical reflection of their achievements so far and develop a plan for a final project, either individual or collaborative. Each student finalises their ePortfolio for presentation at a final seminar.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58311 Media Arts Project

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58212 Aesthetics OR 58213 Research and Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject flows from the development and research undertaken in the previous subject. Students develop and complete a small media arts project, e.g. sound, video, interactive media, installation or performance. They can consider a range of distribution modes for the project such as online, broadcast, theatrical or other hybrid models. Students may undertake this subject in a variety of ways: producing a short media work in either sound, video, interactive media, installation, performance or film with encouragement to explore the possibilities of convergent media; forming small collaborative associations and working as a team to produce a work of greater scope or complexity; or developing their skills in a specific production area or crew role and undertaking this role on several projects across the semester.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58312 Integrated Communication

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58214 Media Writing and Production OR 58229 Brand Advertising Strategies OR 58230 Professional Advertising Practice OR 58231 Organisational Communication
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Students respond to a client brief to develop a communication strategy and produce a major piece of work. Projects can be tailored to students' particular fields of interest in advertising or public relations or one of their specific sub-disciplines such as social marketing, internal communication, community relations or media relations, or integrated campaigns. The industry collaboration gives students experience in working with clients and producing a major piece of communication.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58313 Writing Laboratory

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58216 Imagining the Real OR 58217 Experiments in Culture
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject is a laboratory in thinking, writing, the senses and experiment. Students may compose in any medium they choose: fiction, non-fiction, screen-writing, graphic or multimedia, poetry, philosophical and ficto-critical writing or other innovative forms. The laboratory is an environment of experimental elements working towards the networking of concepts, senses and practices. The group's collaborative study offers a context in which students may choose to produce individual original works of an intellectual, creative or hybrid nature. A lecture series positions a series of core themes from cultural, critical and literary debate, stressing themes which address how we conceive contemporary experience in terms of the senses, media representations, the environment and in relation to key questions in critical, philosophical and art practice. Dissemination of student work is envisaged as a core part of the laboratory's creative study and students present their final work in a published, electronically published, screening, exhibition, seminar or performance context.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58314 Social Inquiry Placement

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 40 credit points in MAJ09395 Social Inquiry major BAComm
These requisites may not apply to students in certain courses. See access conditions.

Social Inquiry works for social change at the nexus between research, advocacy, policy and communication. Accordingly, the subject culminates with the 'real life' challenges of a specific workplace or community-based placement designed to develop written and verbal communication skills and interpersonal relationships in a non-university setting. In this final-year subject students bring to bear the thematic insights, research capacities and communicative skills they have gained through the subject. It allows them to integrate and synthesise these abilities and, in the process, to produce a distinct and practical contribution for an external partner organisation. A discrete and manageable placement project is negotiated between the student, partner organisation and academic supervisor. Partner organisations range from state parliamentarians, government departments, commercial organisations and non-government civil society organiaations including indigenous, community and campaign groups. Placements are usually undertaken as individual projects, although there is scope for collaboration.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58315 Managing Digital Information

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 58220 Designing for the Web OR 58221 Social Informatics
These requisites may not apply to students in certain courses. See access conditions.

This subject examines theories, models and techniques for storing a wide range of text and non-text digital objects in many institutional contexts, including corporate, cultural and heritage environments. Students use international and national standards and unique solutions for describing digital objects and design web-enabled interfaces for effective retrieval and display of the stored content. The subject explores a range of digital storage issues, including preservation, curatorial processes and digital rights management and Web 2.0 issues such as user-created content and social tagging. Students also make further contributions to their ePortfolio.

Typical availability

Autumn semester, City campus

Spring semester, City campus

58316 Sex, Race and Empire

8cp

Requisite(s): 58222 Global Politics from Above and Below

These requisites may not apply to students in certain courses. See access conditions.

Making sense of today's globalised world means recognising the continuing impact of the flows of people, ideas and trades, as well as the conflicts, generated by colonial power relations. Decentring Europe, this subject focuses on the innovations of and challenges to colonialism in regions around the Indian and Pacific Oceans, linking Africa, the Middle East, South Asia, Australia, SE Asia, East Asia and the southern Pacific. In colonial politics, sexual relationships often demonstrated the entanglement of gender and race in the most momentous conflicts over identity, labour, trade or borders. To explore these themes, students study in depth some of many perspectives: including those of colonised indigenous peoples; of invading 'settlers' moving to the countries of the colonised; of anti-colonial political and military struggles; and of diasporas, the populations dispersed by invasion, slavery, indentured labour and voluntary migration. Students deepen their knowledge of the political, economic, social and cultural processes of colonial expansion, imperialism and their links to contemporary global relations.

Typical availability

Spring semester, City campus

58317 Transnational Media

8cp

Requisite(s): 58222 Global Politics from Above and Below OR 58226 Media, Mediation, Power

These requisites may not apply to students in certain courses. See access conditions.

This subject discusses media practice in a globalising economy to question the effects of developments such as trade liberalisation, technological change and global war on the organisation and operation of media and the significance of such changes for understanding transnational communication. Students canvass the international communication and media history literature, critically engage with approaches to theorising international communication and global media practice, and explore the politics of both transnational media mega-corporations including advertising agencies and their counterpart, alternative, DIY and community-based media including the blogosphere. Students focus on the specific issues of electronic journalism and the possibility of a transnational public sphere of debate; internet advertising and the difficulties of creating viable business models in the online environment; and new forms of social networking and interaction found in virtual communities and the possibilities for new kinds of political and social engagements and media practices.

Typical availability

Autumn semester, City campus

58318 Gender, Culture, Power

8cp

Requisite(s): 58223 Social Bodies

These requisites may not apply to students in certain courses. See access conditions.

In this subject students undertake a rigorous and detailed analysis of the notions of sex, gender and sexuality in a wide variety of cultural and social contexts. Students examine in depth how social and political institutions function to regulate sex, gender and sexuality, how gender analysis helps us understand contemporary social and political issues, and how gender and sexual identities are embodied and performed in everyday life.

Typical availability

Spring semester, City campus

58319 Rights and Territories

8cp

Requisite(s): 58223 Social Bodies

These requisites may not apply to students in certain courses. See access conditions.

'Rights' – human, cultural, social, economic and political - sit centre-stage in global and local debates about justice and power. 'Territories' – states and nations, sovereignty and authority – are the basis upon which 'rights' claims are generated and pursued. This subject interrogates the historical and contemporary development of 'rights' and examines, in particular, the ways in which 'territories' are organised and disorganised (institutionally and discursively) through the politics of these 'rights' claims. In doing this, students engage with ideas and fields of practice that traverse legal, political, economic and social theory and institutions.

Typical availability

Autumn semester, City campus

58320 Australian Fiction

8cp

Requisite(s): 58224 Australian Pasts and Places

These requisites may not apply to students in certain courses. See access conditions.

This subject combines the in-depth study of Australian literature with the practice of literature. It examines key tropes in Australian fiction over the past 100 years with particular emphasis on 'the city', 'the outback', and 'the road'. It also explores the ways in which indigenousness, diaspora, class and gender have influenced and continue to shape Australia's literary identity.

Typical availability

Spring semester, City campus

58321 Australian Film

8cp

Requisite(s): 58224 Australian Pasts and Places OR 58225 Introduction to Film Studies

These requisites may not apply to students in certain courses. See access conditions.

Students explore the imaginary in Australian film through the study of key moments in Australia's film history such as the revival of the Australian feature film industry in the 70s, the new wave of avant garde, documentary and feminist film practice in the 70s and 80s, and the latest wave of Indigenous and transnational filmmakers in the 90s through to the present. This subject follows on from Pasts and Places with its exploration of how we might know and therefore imagine Australia.

Typical availability

Autumn semester, City campus

58322 Screening the Past

8cp

Requisite(s): 58225 Introduction to Film Studies

These requisites may not apply to students in certain courses. See access conditions.

Through a detailed engagement with a broad range of different media (including film, video, television and new media) this subject explores the various channels through which we come to know, understand and engage with the past, memory and historical experience. Drawing on extensive scholarship in the field, students analyse how, and with what effects, certain texts from the historical blockbuster to experimental video confirm, challenge and/or complicate our understanding of the past and its relationship to the present.

Typical availability

Autumn semester, City campus

58323 Contemporary World Cinema

8cp

Requisite(s): 58225 Introduction to Film Studies

These requisites may not apply to students in certain courses. See access conditions.

This subject focuses on key developments in contemporary world cinema, with a particular emphasis on films that are innovative, challenging and/or experimental. Drawing closely on recent debates in film studies on the relationship between politics, aesthetics, affect and experience, students analyse and engage critically and creatively with an eclectic collection of contemporary films from a diverse range of national and cultural contexts.

Typical availability

Spring semester, City campus

58324 Investigating Media, Reflective Practices

8cp

Requisite(s): 58226 Media, Mediation, Power

These requisites may not apply to students in certain courses. See access conditions.

This subject explores key research traditions and methodologies through practical projects investigating diverse media and the people who use them. Students explore approaches including semiotic methods for analysing the meaning and significance of programs and formats (such as 'reality television'); objective and subjective approaches to audiences/consumers; how to study the ways people actively use various media in their daily lives ('ethnomethodology'); 'political economy' analyses of media industries; and self-reflective and critical approaches to understanding what it means to work as a media professional in contemporary Australian media industries. In this subject, students further develop their ability to report and present research findings using research communication techniques rather than conventional essays. It provides practical experience in formulating and investigating research questions, preparing students for successful Honours-level research, and building pathways to careers in the media and in media research.

Typical availability

Spring semester, City campus

58325 Audiences, Users, Publics, Communities

8cp

Requisite(s): 58226 Media, Mediation, Power

These requisites may not apply to students in certain courses. See access conditions.

This subject equips students to analyse changing concepts of the media audience and critically evaluate claims about the relationships between media and people individually and collectively. It explores magazines, newspapers, television and online and mobile media, their 'content' (such as programs, as information, as models for defining identity), the various ways they are used (such as memory supports, as agents of virtual travel, as archives, as networking tools), and considers how audiences as active 'readers' increasingly produce their own meanings from the resources the media provide. Students explore developments including 'virtual' communities, virtual publics and political online activism as examples of how audiences are evolving into dynamic meaning-makers and 'producers'. This subject provides an implicitly historical overview of changing theorisations of audiences. It gives students further experience in formulating and conducting their own research focused on people's actual relationships to diverse media.

Typical availability

Autumn semester, City campus

58326 Australian Aboriginal Politics and History

8cp

This subject focuses on the various ways Aboriginal people have sought to exercise power. This approach seeks to understand, through detailed case studies, the demands Aboriginal people have made since colonisation. In doing this students develop an understanding of the impact of colonisation/dispossession as it occurred at different times across NSW, the shifting and changing political rationalities and wider intellectual influences that shaped this process and how this in turn has shaped Aboriginal social, cultural, economic and political life. The subject is organised around studies of key moments in the NSW Aboriginal political rights movement/s and the changing government policy and administration of Aboriginal affairs.

Typical availability

Spring semester, City campus

58327 Indigenous Futures

8cp

Requisite(s): 58227 Balancing World Views: Introduction to Aboriginal Cultures

These requisites may not apply to students in certain courses. See access conditions.

In this subject students learn the normative and legal bases for the protection of Indigenous rights. The objective is not only to understand the legal and political language of Indigenous rights with a view to engaging in the advocacy and debates that promote those rights but also to think critically about these ideas and institutions. Areas investigated include comparative studies of Australian and international cases such as cultural rights, land rights and native title rights and legislation, rights and institutions of self-government, Indigenous land use agreements and joint management strategies, and economic enterprise and social development frameworks and practices.

Typical availability

Autumn semester, City campus

58328 The New Economy of Post-Nature

8cp

Requisite(s): 58228 Climate Change: Politics and Ecology

These requisites may not apply to students in certain courses. See access conditions.

The Western academy is organised around a fundamental distinction between nature and society, with nature defined as that which is independent of human action. What can this idea of nature mean in our Anthropocene era, when chemical and thermal pollution are universal, when human cells are cultured and can achieve immortality outside the body, when 'wilderness' exists only in legally designated protected areas, when evolution itself is driven by human caused extinctions, and the recombination and design of species to order in commercial laboratories? Introducing key debates at the intersection of science and technology studies and environmental policy, this subject enables students to evaluate the vexed concept of 'sustainability' and the utopian prospect of a transformation from fossil-fuelled industrial modernity to a 'post-industrial' mode of production, sometimes called the 'knowledge-based bioeconomy'. Students undertake an informed critical analysis of the social, political, economic and ethical issues associated with the 'life industries' from the level of molecular biotechnology to global ecological management.

Typical availability

Spring semester, City campus

58329 Culture, Science and Nature

8cp

Requisite(s): 58228 Climate Change: Politics and Ecology

These requisites may not apply to students in certain courses. See access conditions.

The subject introduces students to the relationships between cultures and environments including theory and debates about the relationship between culture, science and nature. Drawing on cultural expressions from graphic art and imagery, film and music through to oral and literary forms, students consider how understandings of nature have been shaped by a range of cultures, including Australian Indigenous place making and perceptions of nature in religious or philosophical traditions. Students investigate changing understandings of 'nature', 'the environment' and related terms, from the early modern emergence of sciences challenging theological ideas of nature, to present articulations of a crisis of 'the biosphere' by environmentalists, challenging neoliberal economics. These changing conceptions of nature are considered in the light of cross-cultural comparison across Indigenous and non-Indigenous contemporary societies, inflected by class and gender, in order to analyse the ecological consequences of dominant ideas about nature.

Typical availability

Autumn semester, City campus

58330 Narrative and Theory

8cp

Based on practice, and oriented towards the production of writing, this subject focuses on the large field of narrative and its essential elements. Students study and practice aspects of narrative theory including point of view, temporality, story and plot development. A range of narrative writing is studied and discussed, integrating practical work with critical reflection and enabling students to produce their own piece of narrative writing. Students write a narrative piece in a genre of their choice.

58331 Creative Writing Project

8cp

The capstone in the Creative Writing major, this subject enables students to complete a portfolio of work, in a chosen genre, to a professional standard. Working under supervision as well as in groups, and with input from industry professionals, students gain an understanding of the literary and other creative industries. They

develop skills in editing and revision and acquire the confidence to enable them to submit their work for publication. Students write in a genre and for a publication of their choice.

58332 Defining Cultures

8cp

This subject explores the debates about culture that underpins the development of the cultural and creative industries, beginning with a study of the meanings of the term 'culture'. It introduces students to the different ways that cultural analysis has been undertaken since the 19th century. It also considers the relationship between culture and power, the notion of the sub-culture, culture and the body, culture and the media, providing students with the cultural literacy with which to explore emergent cultural and creative industries.

58333 Introduction to Cultural Research

8cp

Requisite(s): 58332 Defining Cultures

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject introduces students to the key ways in which diverse cultural forms and practices can be explored and analysed. It does so through an introduction to key contemporary theories and methodologies, including discourse analysis, archival research and critical ethnography. Students are introduced to key terms used in contemporary research, including race and ethnicity, sex and gender, class, embodiment, subjectivity, and culture in order to build critical literacy. Students learn how to use those terms as part of cultural research through a series of exercises in cultural research.

58334 Research Studio

8cp

This studio focuses on the practical use of research theories and methodologies by using them to collaboratively explore major social and cultural issues, and in the process developing further the research skills introduced in Year 1. It includes study of traditional, multimedia and emerging media forms and products in order to examine political, cultural, social and ethical issues. The subject engages with issues of representation, cultural politics, sociality and social justice across and within various media communities and productions.

58335 Digital Communities

8cp

This subject encourages students to examine localised cultural practices and to present their findings through the use of commonly used digital and mobile media and written text. The subject focuses on case studies of creative interventions in urban contexts and invites students to research and learn about the social, historical, cultural and economic aspects of the city as a physical and digital reality at the intersection of lived and mediated spaces.

58336 Cultural Research Practicum

8cp

In this subject, students spend time working in a cultural analysis placement or producing a major collaborative research project. The placement or project is complemented by training in appropriate workplace skills, documentation methods and classes in which students discuss and present their experiences and obtain feedback in preparation of a final report.

58337 Engagement, Participation, Gamification

8cp

Requisite(s): 58125 User Experience Design

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Game-like processes and 'gamification' are becoming more and more widespread as a mode of interaction, participation and communication design for engagement with diverse audiences or publics. In this subject students are introduced to theories of technological mediation of communicative ecologies and of interactions through social media. They undertake place-based research about global locations and events (both contemporary and historical) and then use this knowledge in a design process to create a hybrid online/offline game. The design of interactive tasks within the game develops research skills and introduces concepts and contextual knowledge, as well as algorithmic thinking and scripting of rule-based interaction. Considerations of accessibility and inter-cultural communication are introduced, as well as methods of evaluating digital environments along lines of aesthetics, usability and resource efficiency.

58338 Representing Complexity

8cp

This subject extends on students' knowledge and understanding of how to engage with diverse communities and audiences through researching and communicating an innovative solution to a complex real-world problem in the form of a virtual exhibition. Students explore how software and technologies (as constellations of affordances) structure our experience and interactions and therefore our relationships with them and with each other. Critical analysis of case studies is used to explore processes, dynamics and interacting factors in digital production environments and demonstrate how creativity is deployed in response to complexity and underpins processes of innovation. Implementation of the virtual exhibition develops skills in requirements gathering, user experience design, project management, appropriate technology choice, and communicating with technical specialists.

58339 Digital Futures

8cp

This subject develops students' understanding of how new technologies interact with existing technologically and socially structured environments through exploring how a work-based context might respond to the transformative shifts brought about by the emergence of a new disruptive technology. Technological change is a given in workplaces of the future and this subject aims to equip students with theoretical and practical tools to remain agile in responding to these inevitable shifts. Students design and prototype solutions to a problem-based scenario, including gaining experience in presenting to clients and workplace management, advocating for design solutions, and building a business case.

58340 Creative Cities, Cultural Communities and Entrepreneurs

8cp

This subject builds on the student's skills in research and analysis and their studies of cultural and creative industries and communities in a major project that explores cultural experimentation at individual, cultural or social level. At individual level this includes a diverse range of artistic and intellectual practices that are deployed as part of the new creative economy; culturally it explores the ways that cultural communities deploy creative thinking and practice to challenge the status quo and create new identities; socially, it addresses strategies such as the 'Creative Cities' initiative that are used as part of contemporary urban renewal.

58723 Research Dissertation 1 (Communication)

24cp; availability: not offered to exchange and study abroad students

For subject description, contact UTS: Communication.

58724 Research Dissertation 2 (Communication)

24cp

Requisite(s): 58723 Research Dissertation 1 (Communication)

There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Communication.

58900 Poetry

8cp; availability: not offered to exchange and study abroad students

This subject offers students the opportunity to develop skills in writing poetry. Students write extensively and read widely in a variety of genres of contemporary and modern poetry, with a special emphasis on the contemporary and the Australian context. As well as introducing aspects of traditional techniques in poetic composition, students will have an opportunity to explore their creative work across both literary and performance-based facets of writing. In the context of writing and workshopping, students enhance not only their creative skills as poets but also their critical ability to edit and revise their own work and that of other writers in the class.

Typical availability

Spring semester, City campus

58901 Screenwriting

8cp; availability: not offered to exchange and study abroad students

This subject is an introduction to both the theory and practice of writing for the screen. It focuses on storytelling for a visual medium with an emphasis on the creative process, imagination, character development and structure. The process of writing a short film, from initial concept to second draft, is explored through industry-accepted stages of development and formats and through workshopping. Students improve their ability to critically assess their own work and the work of their colleagues.

Typical availability

Autumn semester, City campus

58902 Writing Through Genre

8cp; availability: not offered to exchange and study abroad students

In this subject students engage with the conventions of genre, in both its broad and specific applications, building upon knowledge and skills gained in other subjects. Genre is the conceptual and structural heart of writing, either in traditional manifestations (romance, crime, fantasy) or as a blend of genres (verse narratives, literary mash-ups). Students study a range of genre writing forms, and produce and collectively workshop their own writing in a chosen genre, demonstrating both an understanding of the conventions of their genre as well as a willingness to challenge and extend it.

Typical availability

Spring semester, City campus

58999 Professional Internship

8cp; availability: not offered to exchange and study abroad students. Requisite(s): 40 credit points in MAJ10020 Journalism major BAComm OR 40 credit points in MAJ10021 Media Arts and Production major BAComm OR 40 credit points in MAJ10024 Public Communication major BAComm OR 40 credit points in MAJ10022 Writing and Cultural Studies major BAComm OR 40 credit points in MAJ10037 Creative Writing OR 40 credit points in MAJ10038 Digital and Social Media
These requisites may not apply to students in certain courses. See access conditions.

Students develop a structured industry experience project in the area of their major study. This involves the negotiation of a learning contract to identify the outcomes of such experience and to design a detailed program of activities to achieve these outcomes. Supervision is provided to assist students in identifying the capabilities they need to develop and to provide support and advice during their industry involvement. Students are assisted to reflect on their learning from experience in the workplace in the context of their chosen field of study.

Typical availability

Autumn semester, City campus

Spring semester, City campus

59330 Advertising Practice

6cp; availability: not offered to exchange and study abroad students
Elective

Students are introduced to the principles and practice of advertising and its unique role in business and society. Creativity in advertising is examined through an exploration of the art and science of advertising and how these apparent contradictions influence principles and industry practice. Students learn how to develop and present a range of creative ideas appropriate to the various stages of effectively promoting a product, service or idea in sectors as diverse as public, private and not-for-profit.

Typical availability

Spring semester, City campus

59333 Advertising Strategies

6cp; availability: not offered to exchange and study abroad students
Elective

This subject advances students' knowledge and understanding of principles of strategic creativity in advertising practice. It develops students' ability to analyse creative approaches and address the debate on 'award' vs. 'strategic' creativity. Students gain an understanding of advertising agency disciplines and their contribution to campaign planning, production and pitching. Topics include the significance of strategic planning in campaign development, conceptual and production issues involved in radio and TV advertising, the evaluation of advertising effectiveness, and the development and selling of an integrated advertising idea. Students engage in scriptwriting and the production of storyboards for broadcast media and develop their concepts through to finished form using current digital technologies taught within the subject.

Typical availability

Autumn semester, City campus

59343 Experiencing Australian Language and Culture

6cp; intensive: 3 week intensive (weekly on campus: 4hrs a day, 4 days per week; block: 2 x 2hr day blocks); availability: non-English-speaking background international, exchange or study abroad students who meet the requisite IELTS score
Undergraduate

This is one of five subjects specifically for international students in the Australian Language and Culture program. This subject consists of two components: the in-class segment, and facilitated field trips to specific sites in order for students to develop a deeper understanding of Australian society and culture.

59709 Australian Conversations

8cp; availability: restricted to students who are admitted to either C22032 Exchange Australian Language and Culture or C50009 Study Abroad Australian Language and Culture

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who meet the requisite English proficiency score (IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 35-78 overall with a writing score of 14)
Undergraduate

This subject is designed for international students as part of an Australian Language and Culture Studies program. The subject aims to develop students' oral and written English and their sociolinguistic awareness of Australia through the study of a range of topics related to Australian society and culture. The subject also provides an overview of the Australian education system and introduces the key genres relevant to participation in an Australian tertiary education environment. Students who have successfully completed this one-semester subject are eligible to audit a mainstream FASS subject in their second semester.

59710 Performing Australia

8cp; availability: restricted to students who are admitted to either C22032 Exchange Australian Language and Culture or C50009 Study Abroad Australian Language and Culture

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who meet the requisite English proficiency score (IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 35-78 overall with a writing score of 14)
Undergraduate

This subject is designed for international students as part of an Australian Language and Culture Studies program. In this subject, students investigate the way key concepts in Australian cultural identity are expressed in writing, performing and visual arts. Students engage with key texts and images, with key figures in arts production, and with key places in arts presentation. These studies aim to develop students' cultural literacies.

59711 Natural Australia

8cp; availability: restricted to students who are admitted to either C22032 Exchange Australian Language and Culture or C50009 Study Abroad Australian Language and Culture

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who meet the requisite English proficiency score (IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 35-78 overall with a writing score of 14)
Undergraduate

This subject is designed for international students as part of an Australian Language and Culture Studies program. The subject focuses on the development of students' written and oral academic literacies, and introduces a range of texts that are appropriate for participation in an English language tertiary context. In this subject, academic literacies are approached through topics that relate to

Australia's natural environment. These may include meanings attached to land, landscape, beach and bush; concepts of native, introduced, companion and feral species; patterns of population, consumption and waste; and the ways in which Australians participate in green cultures and organisations.

59712 Australian Language Studies

8cp; availability: restricted to students who are admitted to either C22032 Exchange Australian Language and Culture or C50009 Study Abroad Australian Language and Culture

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who meet the requisite English proficiency score (IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 35-78 overall with a writing score of 14)

Undergraduate and Postgraduate

This subject is designed for international students as part of an Australian Language and Culture Studies program. The subject aims to develop students' oral and written English, and their sociolinguistic awareness of Australia, through the study of a range of topics related to Australian society and culture. The subject also provides an overview of the Australian education system and introduces the key genres relevant to participation in an Australian tertiary education environment. Students who have successfully completed this one-semester subject are eligible to audit a mainstream FASS subject in their second semester.

59713 Australian Media

8cp; availability: restricted to students who are admitted to either C22032 Exchange Australian Language and Culture or C50009 Study Abroad Australian Language and Culture

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who meet the requisite English proficiency score (IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 35-78 overall with a writing score of 14)

Undergraduate and Postgraduate

This subject is designed for international students as part of an Australian Language and Culture Studies program. In this subject, students investigate texts and genres in Australian film, television, and websites, and engage with recurring themes and issues that reflect Australian Indigenous and migrant identities. Through these investigations, students develop practices for interpreting and responding to cultural texts in written and spoken discussions.

59714 Australians at Work

8cp; availability: restricted to students who are admitted to either C22032 Exchange Australian Language and Culture or C50009 Study Abroad Australian Language and Culture

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who meet the requisite English proficiency score (IELTS: 5.0-6.0 overall with a writing score of 5.0; TOEFL: paper based: 510-550 overall with TWE of 3.0, internet based: 35-78 overall with a writing score of 14)

Undergraduate and Postgraduate.

This subject is designed for international students as part of an Australian Language and Culture Studies program. The subject is designed to develop students' critical reading, writing and oral skills. These skills are developed through a range of studies that relate to Australian workplace and business cultures. These studies may include: patterns of labour, migration and employment in the Australian economy; workplace practices; sociocultural issues of gender, age, ethnicity and language in the Australian workplace; and Australia's place in the global economy.

59715 Australian Workplace Cultures

8cp

This subject is designed for students who are identified by their faculty as requiring additional English language consolidation. In this subject, students investigate issues in Australian workplace and business cultures. These studies may include: patterns of labour, migration and employment in the Australian economy; issues of gender, age, ethnicity and language in the Australian workplace; and Australia's place in the global economy. Through engagement with these topics, students develop critical reading, writing and oral skills.

59716 Australian Environment

8cp

Requisite elaboration/waiver: Students from a non-English speaking background. Referral by student's home faculty.

Undergraduate and Postgraduate

This subject is designed for international students as part of an Australian Language and Culture Studies submajor, and aims to develop students' written and oral academic skills and literacies. These skills are developed through a range of studies that relate to Australia's natural environment and may include the meanings attached to: land, landscape, beach and bush; concepts of native, introduced, companion and feral species; patterns of population, consumption and waste; and the ways in which Australians participate in green cultures and organisations.

59717 Indigenous and Migrant Cultures

8cp

Undergraduate and Postgraduate

This subject is designed for students who are identified by their faculty as requiring additional English language consolidation. In this subject, students are introduced to Australian Indigenous cultures; the history of migration; and the development of multiculturalism. These aspects of Australian identity are explored through a variety of media texts as well as Australian films. Students use a range of research techniques to develop selected topics, and present their research in both seminar and written form.

59718 Academic English

6cp; availability: restricted to students who are admitted to C22028, C22029, C50006 or C50007.

Requisite elaboration/waiver: Non-English-speaking background international, exchange or study abroad students who almost meet the requisite UTS English proficiency score for entry into a mainstream course but are required to undertake English language consolidation.

Undergraduate

This subject is designed to consolidate students' written and oral academic skills and literacies. These skills are developed through a range of studies that relate to Australia's natural environment, and may include: the meanings attached to land, landscape, beach and bush; to concepts of native, introduced, companion and feral species; to patterns of population, consumption and waste; and to the ways in which Australians participate in green cultures and organisations.

59719 English for University Study

6cp

For further details, contact UTS: International Studies.

60101 Chemistry and Materials Science

6cp

This subject develops a solid science foundation for further materials and engineering-related studies and facilitates the working relationship between engineers, materials scientists and other scientists; an ability to identify and solve chemical and materials problems; and an ability to relate properties of engineering materials to technical applications. Topics covered in this subject are: chemical bonding of materials and general chemistry, classification of materials, structure-property relationships, mechanical properties, heat treatment and strengthening mechanisms, ferrous and non-ferrous alloys, ceramics, polymers and composites, materials degradation, materials recycling and materials selection. Numerous applied examples are discussed. Laboratory work imparts practical skills and reinforces the underlying theories. This is an integral part of the subject along with tutorial workshops.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/c-J6EzO0ZuE
- Academic video: www.youtu.be/1sxKMBFA-5o

60700 Undergraduate Project (Scientific Practice)

6cp

This subject is designed to enhance development of students' ability to undertake a professionally based scientific project. This subject can only be undertaken following prior negotiation on the part of the student with a full-time member of academic staff regarding supervision. Students contribute, in collaboration with their academic and, where relevant, industry supervisor, to the formulation of the project, including planning the work within an appropriate time scale. Students are responsible for appropriate analysis and critical evaluation of the data or information obtained and presentation of their findings in a formal written report.

Students should approach potential supervisors in the first instance. Before enrolment can be approved, the student and supervisor must provide the head of department with a short written project proposal, including assessment criteria and, where the project involves laboratory or field work, a completed risk assessment form. In addition, approval by the subject coordinator is required.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

60701 Undergraduate Project (Research Internship)

6cp

This subject is recommended for students wishing to undertake a career in research. It offers the opportunity to complete a short supervised research project either in a research laboratory at the University or with an industry partner.

This subject can only be undertaken following prior negotiation on the part of the student with a full-time member of academic staff regarding supervision, and, where relevant, with an industry co-supervisor. Students should approach potential supervisors about project availability in the first instance. Before enrolment can be approved, the student and supervisor must provide the head of department with a short written project proposal, including assessment criteria and, where the project involves laboratory or field work, a completed risk assessment form. Normally, a weighted average mark of 75 per cent or more is required for approval to enrol in this subject.

Students contribute, in collaboration with their UTS supervisor and, where appropriate, their industry co-supervisor, to formulation of the scope of the research project, including planning of the research work within an appropriate time scale and establishment of effective channels of communication. They are responsible for carrying out the work productively and cooperatively, for appropriate and critical analysis of the data or information obtained, and are required to present their findings in a formal written report. They may also be required to present a seminar to other students, staff and industry partners.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

60901 Advanced Communication Skills in Science

6cp; 3hpw

The aim of this subject is to provide postgraduate science students with ongoing integrated academic language skills, in both written and oral communication, and text-based research skills. Students are encouraged to take a critical/analytical approach to understanding and producing written and spoken texts appropriate for different professional contexts.

In particular, the subject focuses on critical reading skills; effective paraphrasing and summarising; selecting, evaluating and using a variety of sources of information; citation and referencing of literature; developing written arguments; presenting seminars; text drafting and editing; workplace communication skills; and communication in the media. Students examine the various styles of professional documents (journal articles and reviews, short communications, technical reports, etc.) and their purposes, and are guided in the use of library and internet resources.

60902 The Scientific Method

6cp

The ability to apply experimental methods to a diverse range of scientific applications is an essential capability of all those pursuing a career in science. This subject provides students with a logical framework for conducting or assessing scientific research beginning with standard principles of designing a good experiment. Students gain an understanding of how hypotheses should be framed for testing, how to design appropriate data collection, how to determine if the sample size is adequate, and how to analyse the data collected. An introduction to the ideas of uncertainty and international guidelines relating to these, and consideration of ethical issues are also covered. This subject aims to impart a deep understanding of the concept of the scientific method which is invaluable for all students destined for a research, research management, research training or other science-oriented career.

60903 Project Management in Science

6cp

This is a foundation-level subject which provides: an overview of the terminology, tools, techniques and processes in project management; an understanding of project integrative process; the know-how to develop a project plan and implement and control a project; and an understanding of stakeholder management and organisational structures and their influences.

60904 Innovation, Entrepreneurship and Commercialisation

6cp

This subject covers topics that lead to an understanding of the basis for scientific innovation, commercialisation and entrepreneurship. It includes how to come up with new projects, develop a product and establish a start up company. In addition, the management of intellectual property is presented along with ways in which to pitch a new company or concept to investors, the media and the general public.

60905 Leadership and Teamwork in Science

6cp

This subject is an introduction to management in a science context. The particular areas focused on are the main ideas of leadership, issues of motivation, the influence of personality and the use of teamwork in the workplace. The management and motivation of staff, team work and team leadership, and strategic management are important competencies of managers in science-based enterprises. An important aspect of this subject is utilising case studies and student experience in leadership and teamwork to provide stimulus for discussion. This subject provides the essential knowledge and concepts in teamwork and leadership to facilitate skills development in these areas relevant to each student's career.

60906 Science in Practice

6cp

In this subject a major scientific breakthrough is studied in considerable detail in order to build an appreciation of the way in which science operates. The elucidation of the double-helical structure of DNA provides an ideal case study on which to base an in-depth investigation on scientific research. There is opportunity to consider the issues involved in collaborations: both the advantages and the pitfalls. It is also an outstanding case for considering how science progresses: there were some blind alleys that dominated thinking for some time and may have delayed progress but flexible minds were able to work around the roadblocks. Overall the 'DNA story' is an excellent example of a major scientific breakthrough that had far-reaching consequences and came about because of a concerted campaign by many researchers working in a spirit of competition and friendly rivalry.

60907 Managing Science-based Enterprises

6cp

Cross-cultural management, career management of staff, management of research and development programs and projects, intellectual property management, management of creativity, and risk management are critical competencies of managers in science-based enterprises. This subject provides the essential knowledge and concepts to facilitate skill development that is appropriate for managers in science-based enterprises. Case studies of different organisational structures and cultures is discussed.

Access conditions are available in the individual subject descriptions in the online handbook.

60908 Science and Industrialisation

6cp

The impact of science on economic growth and society is the major focus of this subject. Science has been intimately involved in the development and implementation of new technologies that have transformed the economics and lifestyles of citizens. The early adoption of new technology has often had a major impact on national and global economies. In this subject, there is an examination of several case studies that estimate the cost of a new development in terms of the background science that has been funded in order to establish a new product or process. The importance of mergers and acquisitions in certain industries, e.g. pharmaceuticals, are shown to be necessary to ensure a sufficient capital base for the huge investment in bringing new product to market. There are also case studies that show that development of new processes gave nations a considerable economic advantage for a time. A further issue is the legacy of old large-scale manufacturing processes that were environmentally damaging and the continuing impact that has on society.

60909 Professional Science Project

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

60910 Directed Study A

6cp

For subject description, contact UTS: Science.

60911 Directed Study B

6cp

For subject description, contact UTS: Science.

60986 PhD Thesis: Science

0cp

Information on this subject is available from UTS: Science.

65032 Forensic Science Research Project A

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

65033 Forensic Science Research Project

24cp

In this subject students undertake a semester-long research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. This project is equivalent in level to those undertaken by honours and research master's students. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (10,000–20,000 words approx.) which includes an introduction, which sets the project in the context of the literature, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

65034 Introduction to Forensic Science

6cp; 4hpw

This subject is designed to introduce forensic science as a coherent discipline to students with pre-existing scientific backgrounds. Crucial forensic science concepts, philosophies and principles are presented in their historic context, and their impact on modern forensic science is emphasised. The various forensic science sub-disciplines are presented in a descriptive and logical manner. The subject intends to familarise students with forensic science and also enhance the learning experience of other specialised forensic science subjects.

The subject covers, in the forensic context, the following areas: history, general definitions and concepts, sub-disciplines, methodology and methods, introduction to interpretation and Bayesian statistics, crime scene, trace typology, function of the expert, legal system, judicial admissibility and ethical considerations. Lectures are complemented by tutorials/workshops involving guest speakers.

65072 Forensic Science Research Project B

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

65111 Chemistry 1

6cp; 6hpw

The study of chemistry is central to an understanding of the world around us and is relevant to all other science areas, such as physics, biology, geology and the environment at the fundamental level. This subject is designed to develop a student's understanding of the basic principles of chemistry. Topics covered are an introduction to matter, chemical reactions, atomic structure, stoichiometry, the periodic table, bonding, intermolecular forces and crystal structures, molecular geometry, introductory carbon chemistry, equilibrium, and acid-base equilibria. The subject provides the requisite knowledge and skills for 65212 Chemistry 2.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/-mdqVYSrZYQ
- Academic video: www.youtu.be/HrPbkuRV3Yk

65202 Organic Chemistry 1

6cp; 6hpw

Requisite(s): 65201 Chemistry 2C OR 65022 Chemistry 2A OR 65212 Chemistry 2

This subject introduces students to the reactions characteristic of the common families of carbon compounds, and explores the details and implications of the reaction mechanisms involved. A primary objective is for students to gain an appreciation of the relationship of molecular structure to reactivity across a wide range of functional groups.

Students have the opportunity to perform many of these reactions in the laboratory, and to evaluate critically the success of their experiments by analysis of their reaction products using gas chromatography and infra-red spectroscopy as well as mp, bp and refractive index measurements.

Typical availability

Autumn semester, City campus

65212 Chemistry 2

6cp; 6hpw

Requisite(s): 65111 Chemistry 1 OR 65101 Chemistry 1C OR 65012 Chemistry 1A

This subject builds on and develops further the material introduced in 65111 Chemistry 1. Physical chemistry topics include acidic and basic salts, acid-base titrations, buffers, solubility equilibria, complex ion equilibria; introduction to chemical thermodynamics, enthalpy of reactions, Hess's Law, entropy and Gibbs free energy; chemical kinetics; coordination chemistry; redox chemistry, electrode potentials, electrolysis, corrosion, Galvanic cells. Carbon chemistry topics include: structures and reactions of the common families of carbon compounds, alkanes, alkenes, alkynes, arenes, halogen compounds, alcohols, ethers, alkanals, alkanones, carboxylic acids, amines, amides, esters; stereochemistry, chirality and optical isomerism; biological molecules and biopolymers, amino acids, peptides, proteins, carbohydrates, nucleic acids.

Typical availability

Spring semester, City campus

Summer session, City campus

65213 Chemistry 2 (Advanced)

6cp

This subject develops the material introduced in 65111 Chemistry 1. Physical chemistry topics include: acidic and basic salts, acid-base titrations, buffers, solubility equilibria, complex ion equilibria; introduction to chemical thermodynamics, enthalpy of reactions, Hess's Law, entropy and Gibbs free energy; chemical kinetics; coordination chemistry; redox chemistry, electrode potentials, electrolysis, corrosion, Galvanic cells. Carbon chemistry topics include: structures and reactions of the common families of carbon compounds, alkanes, alkenes, alkynes, arenes, halogen compounds, alcohols, ethers, alkanals, alkanones, carboxylic acids, amines, amides, esters; stereochemistry, chirality and optical isomerism; biological molecules and biopolymers, amino acids, peptides, proteins, carbohydrates, nucleic acids.

This subject also covers extension topics in areas such as inorganic chemistry, analytical chemistry and forensic chemistry.

65242 Principles of Forensic Science

6cp; 4hpw

This subject is designed to introduce the different disciplines, principles and concepts peculiar to forensic science. It covers, in the forensic context, the following areas: history, general definitions and concepts, sub-disciplines, methodology and methods, introduction to crime scene, trace typology, function of the expert, legal system, judicial admissibility, ethical considerations, and interpretation of forensic evidence. Lectures are complemented by tutorials/workshops involving guest speakers. This is a core subject for the forensic science courses and an elective for students in other related courses.

Typical availability

Spring semester, City campus

65306 Analytical Chemistry 1

6cp; 6hpw

Requisite(s): 65202 Organic Chemistry 1

Lecture, laboratory and tutorial components of this subject cover spectroscopic methods of analysis including mass spectrometry (MS) and infra-red (IR), ultraviolet-visible (UV-Vis) and nuclear magnetic resonance (NMR) spectroscopy; general chromatographic methods for separation; volumetric techniques including acid-base and complexometric titrations; and errors, calibration and statistical interpretation of analytical data.

Typical availability

Spring semester, City campus

65307 Physical Chemistry 1

6cp; 4.5hpw

Requisite(s): ((65022 Chemistry 2A OR 65201 Chemistry 2C OR 65212 Chemistry 2) AND 33190 Mathematical Modelling for Science)

This subject is designed to provide students with a working knowledge of chemical thermodynamics, optical spectroscopy, and chemical kinetics, which can then be applied to other subjects within the course. Students are introduced to fundamental concepts in these areas and learn how to apply their principles in problem-solving situations.

Typical availability

Autumn semester, City campus

65342 Crime Scene Investigation

6cp; 6hpw

Requisite(s): (65242 Principles of Forensic Science OR 65241 Principles of Forensic Science) AND (65212 Chemistry 2 OR 65201 Chemistry 2C OR 65022 Chemistry 2A)

These requisites may not apply to students in certain courses. See access conditions.

This subject provides a sound teaching in crime scene investigation. It is designed to introduce the different principles and concepts peculiar to a crime scene. It covers the following areas: aims of the crime and related investigation; preservation, recording and processing of a crime scene; preservation, search and collection of evidence; on-site screening tests; scene reconstruction; examples of scenes (break-entry, homicide, sexual assault, traffic and other accidents, fire, explosion, disaster); common types of evidence; ad-hoc forms and software assisting crime science investigation. Lectures are complemented by tutorials/workshops involving guest speakers.

Typical availability

Autumn semester, City campus

65409 Analytical Chemistry 2

6cp; 6hpw

Requisite(s): 65306 Analytical Chemistry 1

This subject includes topics such as separation techniques, gas chromatography and instrumentation. The subject also covers sample preparation and derivatisation, columns-packed and bonded phase, GC detectors and their application, HPLC: basic theory and instrumentation, normal and reversed phase columns, ion-pair chromatography and gel permeation chromatography, ion exchange

resins and chromatography, method validation and quality assurance, electrophoresis: plate and capillary, laboratory automation: robotic techniques, auto samplers and post-column derivatisation methods.

Typical availability

Autumn semester, City campus

65410 Chemical Safety and Legislation

6cp; 3hpw
Requisite(s): 65201 Chemistry 2C OR 65022 Chemistry 2A OR 65212 Chemistry 2

This subject covers identification of laboratory hazards and prevention; roles of government organisations (Safe Work Australia, WorkCover, DECCW, NICNAS, and APVMA); toxic effects of chemicals (carcinogens, mutagens and teratogens, sensitisers); exposure to chemicals, local and systemic reactions, acute and chronic toxicity; classification of dangerous goods (ADG class code and class labels); flammability limits (flammable liquids and solids); fire safety and fire prevention; precautionary labels and material safety data sheets; conducting risk assessments; NSW *Occupational Health and Safety Act* and the Regulations; safe storage of chemicals; safe handling of corrosives, oxidisers and explosives; class 6 poisons (scheduling, NSW *Poisons and Therapeutic Goods Act*; compressed gases (classification, hazards, storage and safe handling); cryogens and safe handling; personal protective equipment (respiratory, eye, head and face, and hand protection); workplace atmospheric monitoring; waste (safe handling of chemical, biological, and microbiological waste).

Typical availability

Autumn semester, City campus

65411 Inorganic Chemistry 1

6cp; 4.5hpw
Requisite(s): 65201 Chemistry 2C OR 65022 Chemistry 2A OR 65212 Chemistry 2

This subject covers the following topics: transition metals - electron configurations and oxidation states; fundamentals of coordination chemistry; crystal field theory; spectral and magnetic properties of metal complexes; chelating agents and applications in analytical chemistry, industrial processes and medicine.

Typical availability

Spring semester, City campus

65412 Physical Evidence

6cp; 6hpw
Requisite(s): 65242 Principles of Forensic Science AND 65307 Physical Chemistry 1 AND 65306c Analytical Chemistry 1 AND 65342 Crime Scene Investigation
These requisites may not apply to students in certain courses. See access conditions.

This subject covers the nature, value and relevance of several types of physical evidence. It follows on from the prerequisite subject and covers the following topics: fingerprint detection and identification; miscellaneous individual traces, tooth marks, lip prints, nail marks, etc.; path marks, footwear impression, tyre impression, etc.; weapons including firearms, bullet/cartridge identification, gunshot residues, firing distance; motor vehicle globes and other light; and miscellaneous trace evidence, matches, cigarettes/tobacco, building and safe insulation materials cordage, buttons, wood, and other types of physical evidence. Lectures are complemented by a practical program involving mock cases.

Typical availability

Spring semester, City campus

65508 Organic Chemistry 2

6cp; 6hpw
Requisite(s): 65202 Organic Chemistry 1

The subject builds on previous studies of functional group reactions and spectroscopic techniques and illustrates applications of these concepts for organic synthesis. Topics covered include aromaticity and chemistry of benzene and heterocyclic compounds; carbanion chemistry and multi-step synthesis of new aromatic compounds; chemistry of phenols and aryl halides; palladium-catalysed coupling reactions and modern synthetic methods used in academia and industry; molecular orbital theory, pericyclic reactions and 1,3-dipolar [2+3] cycloadditions. The subject also emphasises the practical applications of organic chemistry in the synthesis of many important compounds. Chemical research literacy in organic chemistry is implemented, using *SciFinder Scholar*, with an emphasis on differentiate and use of chemical literature.

In the laboratory, students have the opportunity to perform multi-step reactions to synthesise bioactive molecule and natural products as well as carrying out other useful synthetic transformations.

Typical availability

Spring semester, City campus

65509 Inorganic Chemistry 2

6cp; 5hpw
Requisite(s): 65411 Inorganic Chemistry 1

This subject covers structures of crystalline inorganic solids including relevance of crystal field theory to advanced structures; reaction mechanisms and redox processes of d-block metal complexes; some applications of metal phthalocyanine complexes; electrode materials for lithium ion batteries; bioinorganic chemistry including metalloproteins and biominerals; and crystallographic and spectroscopic properties of bone.

Typical availability

Autumn semester, City campus

65544 Chemical Criminalistics

6cp; 6hpw
Requisite(s): 65412 Physical Evidence AND 65409c Analytical Chemistry 2
These requisites may not apply to students in certain courses. See access conditions.

This subject complements the material covered in 65412 Physical Evidence by presenting evidence types that require a high level of analytical skills. It covers forensic analysis of glass, soil, paint, fibres, hairs and documents. Lectures are complemented by an extensive practical program involving mock cases. At the end of this subject, students should be able to select appropriate analytical procedures, analyse, interpret and write an expert witness report describing the forensic analysis of the material covered in this subject and its prerequisite subjects.

Typical availability

Autumn semester, City campus

65545 Forensic Toxicology

6cp; 6hpw
Requisite(s): 65508 Organic Chemistry 2 AND 65409c Analytical Chemistry 2
These requisites may not apply to students in certain courses. See access conditions.

This subject examines the underpinning science of drugs and poisons relevant to matters that arise in judicial proceedings — that is forensic toxicology. The lecture component covers general pharmacology and toxicology. Topics covered include mechanisms of action, the absorption, distribution metabolism and elimination of drugs and poisons from the body as well as the signs and symptoms associated with the use of common drugs and poisons. The subject also provides an overview of state and federal laws relevant to licit and illicit drugs and poisons. The practical component is designed to reinforce topics covered in lectures and seeks to give student experience in solving problems associated with the analysis of a wide range of matrics including human tissues and various biological fluids. The subject also includes workshops and tutorials on the interpretation of the meaning of analytical results.

Typical availability

Autumn semester, City campus

65606 Analytical Chemistry 3

6cp; 6hpw
Requisite(s): 65409 Analytical Chemistry 2

This subject covers lecture topics such as: method validation, chemometrics (including principal component analysis and artificial neural networks), experimental design; advanced analytical techniques including Raman spectroscopy, X-ray diffraction, X-ray fluorescence and microfluidics; and guest lectures from industry including Agilent Technologies, Waters Chromatography, National Association of Testing Authorities (NATA) and the Royal Australian Chemical Institute (RACI).

The practical component requires students to develop, validate and apply an analytical method to a given sample using a variety of techniques including High Performance Liquid Chromatography (HPLC), Gas Chromatography (GC), Capillary Electrophoresis (CE), Nuclear Resonance Spectroscopy (NMR) and Inductively Coupled Plasma-Mass Spectrometry (ICP-MS).

Typical availability

Spring semester, City campus

65607 Physical Chemistry 2

6cp; 4.5hpw
Requisite(s): 65307 Physical Chemistry 1

The subject builds on 65307 Physical Chemistry 1, exploring more advanced topics in chemical kinetics, electrochemistry, and spectroscopy. The principles of infra red and Raman spectroscopic instrumentation are included, along with the application of these techniques to chemical imaging.

Typical availability

Spring semester, City campus

65621 Environmental Chemistry

6cp; 6hpw
Requisite(s): 65201 Chemistry 2C OR 65022 Chemistry 2A OR 65212 Chemistry 2

This subject focuses on the importance of chemical changes in the natural environment, and those resulting from human activity. Chemical changes are examined for both inorganic matter (soil clays) and organic matter (plant materials), having as their end products humic substances, petroleum, and coal. Particular emphasis is placed on changes in organic molecular structure. Important pollutants including halogenated hydrocarbons, and the oxides of nitrogen, sulphur and carbon are discussed, in the contexts of their origins and their effects on the geosphere, hydrosphere and biosphere.

Typical availability

Spring semester, City campus

65643 Chemistry and Pharmacology of Recreational Drugs

6cp; 6hpw
Requisite(s): 65545 Forensic Toxicology
These requisites may not apply to students in certain courses. See access conditions.

This subject provides greater detail on the chemistry, pharmacology and societal context of a number of substances covered in 65545 Forensic Toxicology. The focus of the subject is those substances used for recreational purposes, that is stimulants, depressants, hallucinogens and mixed effect drugs (e.g. opiates, solvents, amphetamines, alcohol and nicotine). Other topics covered include routes of synthesis; profiling of drugs to determine the method of manufacture and / or geographical origin; construction and operation of clandestine laboratories; sampling and analysis protocols; examination of relevant state and federal legislation regarding the possession, supply, manufacture and importation of certain drugs; the use of drugs in sport; the 'war on drugs'; case studies and social issues relating to the recreational use of drugs. The laboratory component includes experiments in natural product chemistry and two cognate syntheses based on procedures carried out in clandestine laboratories, as well as workshops and tutorials on the elucidation of the structure and purity of an unknown substance and those synthesised during practical sessions.

Typical availability

Spring semester, City campus

65644 Fire and Explosion Investigation

6cp
Requisite(s): 65544 Chemical Criminalistics AND 65606c Analytical Chemistry 3
These requisites may not apply to students in certain courses. See access conditions.

This subject seeks to show how a systematic scientific examination of a fire or explosion scene can lead to the establishment of its origin and cause. It covers the following topics: general definitions; fire insurance and crime statistics; combustion process, external and internal scene examination, fire origin and cause determination; physical properties of materials, gases, aerosols; spontaneous combustion; kitchen fires, cigarettes, heaters, motor vehicle fires, electric appliances, analysis of accelerants and explosives; and sniffers and canines.

Typical availability

Spring semester, City campus

65743 Complex Forensic Cases (Chemistry)

6cp; 6hpw
Requisite(s): ((65412 Physical Evidence AND 65544 Chemical Criminalistics) OR 65864c Honours (Forensic Science) 1)
These requisites may not apply to students in certain courses. See access conditions.

This subject is designed as an advanced practical course where the students apply techniques and principles gained in previous forensic subjects to the analysis of mock cases. It aims to familiarise the students with the management of a complex forensic case involving more than one type of evidence. It involves forensic analysis of material previously studied, preparation of expert witness reports and preparation for presenting evidence in a court environment.

Typical availability

Autumn semester, City campus

65861 Honours (Chemistry) 1

24cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in chemistry. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of interest. The data collected is then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis. which comprises the main assessment component.

Typical availability

Autumn semester, City campus

65862 Honours (Chemistry) 2

24cp
Requisite(s): 65861 Honours (Chemistry) 1

For subject description, refer to 65861 Honours (Chemistry) 1.

Typical availability

Spring semester, City campus

65863 Expert Evidence Presentation

6cp; 6hpw
Requisite(s): 65865c Honours (Forensic Science) 2
These requisites may not apply to students in certain courses. See access conditions.

This subject deals with the legal issues involving forensic science in the field and the impact of scientific evidence on the legal system. Students receive some training in the preparation of reports and in the presentation of evidence in court and participate in a mock trial at the end of the subject in order to consolidate these skills (the mock trial is not assessable). This subject is studied under the following broad topic areas: introduction to the Australian legal system, criminal law, tort law, *Crimes (Forensic Procedures) Act 2000* (NSW), evidence, *Uniform Civil Procedure Rules 2005* (NSW), the role of the expert, advocacy and coronial law. This subject aims to provide an understanding of:

- the legal and practical issues of forensic science
- the impact of forensic science on the legal system, and
- the traditional and emerging admissibility standards involving forensic science evidence.

In addition the subject consolidates crucial communication skills.

Typical availability

Spring semester, City campus

65864 Honours (Forensic Science) 1

18cp

A research project on specific aspects of forensic science is conducted under the supervision of a member of the academic staff of the University. Some projects are conducted externally in conjunction with an external co-supervisor. This subject is designed to enhance the skills and knowledge necessary for research in forensic science. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of interest. The data collected is then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis which comprises the main assessment component.

Typical availability

Autumn semester, City campus

65865 Honours (Forensic Science) 2

18cp

This subject is the second component of a program designed to enhance the skills and knowledge necessary for research in forensic science. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of interest. The data collected is then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis which comprises the main assessment component.

Typical availability

Spring semester, City campus

66513 Marine Geosciences

6cp

Requisite(s): 91107 The Biosphere

These requisites may not apply to students in certain courses. See access conditions.

This elective subject is suitable for any student undertaking study in the environmental sciences. It deals with the structure and morphology of ocean basins and their margins, including their origin and evolutionary history. Physical and chemical processes operating in the oceans and their interaction with the atmosphere and climate systems are examined. The nature and origin of seafloor sediments and the history of ocean and climate change are covered in detail, including the relationships between continental drift, ocean currents and climate variation. In particular the role of tertiary and quaternary ocean sediments in an understanding of climate and environmental change are assessed as part of an overall examination of the evidence for climate and climate change throughout geological history. The subject then examines in more detail quaternary allocyclic factors that influence earth systems and their consequences. The subject covers milankovitch cycles, ice ages, eustatic fluctuations and climate change: recordings of these in earth systems, and the consequences of these and other major influences on the geosphere-biosphere; and greenhouse concepts and their relationship and responses to natural and anthropogenic input. As part of the subject, an examination of relevant methods of determining age, collecting and analysing field data and the application of modelling techniques are dealt with.

Typical availability

Autumn semester, City campus

67305 Polymer Science

6cp; 6hpw

Requisite(s): 65212 Chemistry 2 OR 65201 Chemistry 2C OR 67101 Introduction to Materials OR 60101 Chemistry and Materials Science OR 65022 Chemistry 2A OR 68070 Introduction to Materials

This subject provides an introduction to the chemistry and physics of polymers and includes comprehensive coverage of the structures, polymerisation mechanisms and characterisation techniques of polymers. Practical classes provide experience with relevant techniques and complement the theory presented in lectures. The applications of polymers are also addressed. This subject gives students a solid grounding in the field of polymers and the practical foundation for work in the polymer industry.

Typical availability

Autumn semester, City campus

67509 Molecular Nanotechnology

6cp; 6hpw

Requisite(s): 65212 Chemistry 2 OR 65201 Chemistry 2C OR 65022 Chemistry 2A

These requisites may not apply to students in certain courses. See access conditions.

The subject focuses on the chemical basis of nanotechnology and the atomic and molecular interaction of small and large molecules, and how these forces can be used to assemble molecular devices. The preparation, characterisation and uses of molecular devices are discussed. Existing molecular devices, such as liquid crystals and biological and synthetic ion-channels are also discussed.

Typical availability

Autumn semester, City campus

67510 Surface Processes

6cp; 6hpw

Requisite(s): 65307 Physical Chemistry 1

This subject is based on the chemistry of surfaces and interfaces and covers such topics as surface thermodynamics yielding concepts of surface energy and tension, adsorption isotherms, surfactants and micelles, wetting spreading and surface energy of solids and liquids and colloidal (or nanoparticulate) systems. The subject uses concepts introduced in 65212 Chemistry 2 and 65307 Physical Chemistry 1 to aid the development of models for the understanding of the observed properties of interfaces. The emphasis on the chemistry of interfaces is important in providing an underpinning of the development of nanoscale systems.

Typical availability

Spring semester, City campus

68001 Advanced Physics

6cp; up to 4hpw

The aim of this coursework subject is to enhance students' understandings of physical principles and build the capacity to engage at an advanced level in several areas of contemporary significance in physics. The subject develops the theoretical background for experimental techniques such as x-ray and neutron diffraction and advanced electron microscopy and develops student skills in computational science applied to physical systems.

Typical availability

Autumn semester, City campus

68002 Advanced Nanomaterials

6cp; 3-4hpw

The aim of this coursework subject is to develop students' awareness and competency in the specific components of nanoscience and nanotechnology relevant to material-related research. It combines topics in nanostructures and nanomaterials with the necessary foundations that underlie the nanoscience and technology of materials. The subject covers topics selected from: nanomaterials synthesis and characterisation, advanced spectroscopic techniques, surface science, optical characterisation and modelling techniques, technology transfer from the laboratory to the industrial world.

Typical availability

Spring semester, City campus

68003 Nanotechnology Honours Research 1

18cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in nanoscience and nanotechnology. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of nanotechnology or nanoscience of interest. Typically, the data collected are then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The two Nanotechnology Honours Research subjects, one taken in each semester, combine to form a single, continuous research project. The findings of the research project are presented in a structured and integrated thesis, which comprises the main assessment component.

Typical availability

Autumn semester, City campus

68004 Nanotechnology Honours Research 2

18cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in nanoscience and nanotechnology. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of nanotechnology or nanoscience of interest. Typically, the data collected are then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The two Nanotechnology Honours Research subjects, one taken in each semester, combine to form a single, continuous research project. The findings of the research project are presented in a structured and integrated thesis, which comprises the main assessment component.

Typical availability

Spring semester, City campus

68005 Physics Honours Research 1

18cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in applied physics. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of applied physics of interest. Typically, data collected are then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The two Physics Honours Research subjects, one taken in each semester, combine to form a single, continuous research project. The findings of the research project are presented in a structured and integrated thesis, which comprises the main assessment component.

Typical availability

Autumn semester, City campus

68006 Physics Honours Research 2

18cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in applied physics. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigations in an area of applied physics of interest. Typically, the data collected are then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The two Physics Honours Research subjects, one taken in each semester, combine to form a single, continuous research project. The findings of the research project are presented in a structured and integrated thesis, which comprises the main assessment component.

Typical availability

Spring semester, City campus

68037 Physical Modelling

6cp; 6hpw

This is a foundation physics subject. It covers the fundamentals of mechanics, thermal physics, electricity, fluids, waves and optics. Students are introduced to the basic techniques of measurement and technical communication.

This subject aims to develop an appreciation of the physical principles governing natural processes is an essential foundation experience for all engineers. Through this subject, students appreciate that physics is not just a body of knowledge to be learned and understood. Together with mathematics, it provides a framework for understanding and modelling natural phenomena that is carried over into design and analysis in engineering.

Students see that physics both enables and restrains engineering. Designs that are inconsistent with the laws of physics cannot be realised while much engineering innovation demands new physical insight or innovative uses of existing physical and mathematical models.

The subject also seeks to give students insights into the processes and pleasures of physics itself as a professional discipline. This includes basic experiences with the analytical, problem solving, observational and technical as well as measurement skills needed to model natural processes. The strong link to mathematics is integral to this aspect of the subject, as is the laboratory program which also links to mathematical modelling. The technical communication and other generic skills developed in this subject are further developed in later subjects. Graduates and later stage students, whether using physics themselves, working with physicists in a research or design team, or using new products based on advanced physics concepts, need to function in a world of innovation in which physical understanding and new physics plays a key role. This subject initiates the insights and attitudes relevant to this goal.

Typical availability

Autumn semester, City campus

Spring semester, City campus

68038 Advanced Mathematics and Physics

6cp; 5hpw

Requisite(s): 68037 Physical Modelling AND 33230 Mathematical Modelling 2 AND 48520 Electronics and Circuits

Advanced Mathematics and Physics represents a partnership between the Electrical Engineering Group in the Faculty of Engineering, the Department of Mathematical Sciences and the Department of Physics and Advanced Materials in the Faculty of Science. This subject provides knowledge of mathematical methods needed for analysis of electric and magnetic fields and for circuit analysis and signal processing. It also provides an introduction to quantum physics and its application to semiconductor electronic and opto-electronic devices. The mathematics and physics components complement each other so that students develop both their theoretical and experimental skills. Topics covered are: vector calculus; functions of a complex variable; partial differential equations and boundary value problems; the concepts of quantum mechanics and Schrödinger's equation; and applications of quantum mechanics to semiconductors and electronic devices.

Typical availability

Spring semester, City campus

68041 Physical Aspects of Nature

6cp; 6hpw

This subject provides a general introduction to movement, wave motion, optics, thermal effects, properties of solid and fluid matter, electrical and atomic concepts, with a view to developing an appreciation and understanding of how to model physical aspects of nature. The material is presented with a focus on application to all areas of science and life science and integrates as a key component hands-on laboratory work and analysis of experimental data.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/Xs-9MWBypkE
- Academic video: www.youtu.be/02AM2hiOKeg

68044 Characterisation of Energy Efficient Materials

6cp

The concept of energy efficient materials is introduced to define the range and application of materials to be studied in this subject. This includes semiconductor materials used in light emitting diodes and photovoltaic applications, and thin film materials relevant to window coatings. Techniques for characterising these materials are then discussed in detail with demonstration of the practical application of these techniques. These include techniques such as x-ray diffraction for structure characterisation, optical characterisation using spectroscopy and ellipsometry, and measurement of electrical resistivity.

This subject contains a mix of coursework, experimental exercises and projects.

The aim of the subject is to provide a thorough grounding in the physical basis and practical application of these techniques in the context of energy efficient materials at a level appropriate to conducting research in this field.

68046 Physics Research Project A

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

68047 Physics Research Project B

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

68048 Physics Research Project

24cp

In this subject students undertake a semester-long research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. This project is equivalent in level to those undertaken by honours and research master's students. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (10,000–20,000 words approx.) which includes an introduction, which sets the project in the context of the literature, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

68070 Introduction to Materials

6cp; 6hpw

This subject develops a solid science foundation for further materials and engineering-related studies and facilitates the working relationship between engineers, materials scientists and other scientists; an ability to identify and solve materials problems; and an ability to relate properties of engineering materials to technical applications. Topics covered in this subject are: chemical bonding of materials, classification of materials, structure-property relationships, mechanical properties, heat treatment and strengthening mechanisms, ferrous and non-ferrous alloys, ceramics, polymers and composites, materials degradation, materials recycling and materials selection. Numerous applied examples are discussed. Laboratory work imparts practical skills and reinforces the underlying theories. This is an integral part of the subject along with tutorial workshops.

Typical availability

Spring semester, City campus

68075 Nanomaterials

6cp; 5hpw

Requisite(s): 68070 Introduction to Materials OR 60101 Chemistry and Materials Science OR 60103 Nanosciences 1

These requisites may not apply to students in certain courses. See access conditions.

This subject contains two complementary strands. The first deals with methods for producing nanostructures, nanostructured materials and nanoscale devices, using deposition, growth and self-assembling processes. The second uses real-world examples to demonstrate how the unique properties of these materials can be tailored for a wide range of applications from novel building materials and medical prothestics to the next generation of electronic devices.

Typical availability

Autumn semester, City campus

68101 Foundations of Physics

6cp; 4–6hpw

This is a foundation physics subject primarily for students in the physical sciences. It covers the fundamentals of dynamics and statics, fluid mechanics, thermal physics, waves and electricity. A strong emphasis is placed on the investigative nature of physics research with an integrated laboratory program developing further the problem-solving skills of the lecture and tutorial material to an appreciation of good experimental design and significance in information obtained under real-life modelling situations.

Typical availability

Autumn semester, City campus

68201 Physics in Action

6cp; 6hpw

Requisite(s): 68101 Foundations of Physics OR 68041 Physical Aspects of Nature OR 68037 Physical Modelling

This subject is a foundation for later stage subjects. In this subject students learn about: electrostatics, dc circuits, magnetism, electromagnetism and induction, geometrical optics, physical optics, introductory atomic physics, and quantum theory. Research linked to each of the topic areas, and which is happening within the School of Physics and Advanced Materials at UTS, is integrated into this subject.

Typical availability

Spring semester, City campus

68315 Imaging Science

6cp; 5hpw

Requisite(s): (68201 Physics in Action OR 68037 Physical Modelling) AND (33290c Statistics and Mathematics for Science OR 33230 Mathematical Modelling 2)

These requisites may not apply to students in certain courses. See access conditions.

Recommended studies: knowledge of calculus and of complex numbers

This subject builds upon the study of waves, optics and electromagnetics undertaken in an introductory physics subject. It assumes knowledge of calculus and of complex numbers. The subject considers how light is used to observe the world from the molecular scale upwards. It

introduces the electromagnetic description of light as well as the description based on photons. Different sources and detectors are considered. The design of imaging systems and their resolution limits are analysed. The subject includes a significant experimental component, which emphasises the importance of careful analysis and clear presentation of observations.

Typical availability

Spring semester, City campus

68316 Applied Electronics and Interfacing

6cp; 5hpw
Requisite(s): 68201 Physics in Action OR 68037 Physical Modelling
These requisites may not apply to students in certain courses. See access conditions.

This subject builds upon the foundation studies of electricity undertaken in an introductory physics subject. It assumes knowledge of calculus and of complex numbers. The subject develops practical and theoretical skills in the application of electronic circuits in the laboratory with particular emphasis on the development of computer interfacing applications. Op-amps and digital circuit components are treated as building blocks to functional interfacing systems. The Labview environment is used to build skills in programming a computer interface.

Typical availability

Autumn semester, City campus

68320 Scanning Probe and Electron Microscopy

6cp; 6hpw
Requisite(s): 68413 Quantum Physics AND 68606 Solid-state Science and Nanodevices
These requisites may not apply to students in certain courses. See access conditions.

Characterisation and production of materials, devices, biological systems with nanoscale features requires analysis and manipulation tools with extreme precision. This is a central issue in nanotechnology and many contemporary areas of materials science. The advent of techniques such as scanning tunnelling or atomic force microscopy allows us to view and manipulate objects at this level. Electron microscopy has a more established history, but in more recent times has turned out to be an invaluable tool to the nanotechnologist. This is a hands-on subject that introduces the concepts behind these techniques, their use and application in many areas of science and technology. Recent developments in the techniques are introduced, and students have the opportunity to gain hands-on experience using a variety of scanning probe and electron microscopes.

Typical availability

Spring semester, City campus

68412 Energy Science and Technology

6cp; 4hpw
Requisite(s): (68201 Physics in Action OR 68037 Physical Modelling) AND (33290c Statistics and Mathematics for Science OR 33230 Mathematical Modelling 2)

This subject explores the physics and thermodynamics of energy systems. It builds on the fluids and thermodynamics studied in introductory level subjects, and develops an understanding of the physics and thermodynamics underlying conventional and renewable energy systems. The subject builds problem-solving skills in practical applications of energy science. These systems and related issues are explored through lectures, tutorials and project-based work.

Typical availability

Autumn semester, City campus

68413 Quantum Physics

6cp; 6hpw
Requisite(s): (68201 Physics in Action OR 68037 Physical Modelling) AND (33360c Mathematics for Physical Science OR 68038 Advanced Mathematics and Physics)
These requisites may not apply to students in certain courses. See access conditions.
Recommended studies: some knowledge of complex numbers, matrices and differential equations

This subject builds on introductory material on waves and classical mechanics. The subject examines how the behaviour of our world at an atomic level differs from our everyday experience of the macroscopic world. It introduces concepts and quantum mechanical tools needed to describe the structure and interactions of atoms, molecules and solids. The unique properties of matter at this scale can be exploited in the creation of new materials and devices in nanotechnology. This subject explores emerging technologies such as quantum computing, scanning tunelling microscopy, and spectroscopic tools used to characterise and investigate the atomic world. It provides material which is fundamental to understanding many areas of physics and chemistry together with contemporary applications which are relevant to nanotechnologists.

Typical availability

Spring semester, City campus

68414 Advanced Mechanics

6cp; 4hpw
Requisite(s): (68201 Physics in Action OR 68037 Physical Modelling) AND (33360c Mathematics for Physical Science OR 68038 Advanced Mathematics and Physics)

This subject builds upon the foundation studies of mechanics and fields undertaken in an introductory physics subject. It takes advantage of the methods of vector analysis and differential equations to analyse the motion of particles and bodies under influence of forces and fields. Topics include coupled oscillators, the Lagrangian description of particle motion, rotational body dynamics, central force dynamics, and relativity.

Typical availability

Spring semester, City campus

68415 Measurement and Analysis of Physical Processes

6cp; 5hpw
Requisite(s): (68201 Physics in Action OR 68037 Physical Modelling) AND (33290c Statistics and Mathematics for Science OR 33230 Mathematical Modelling 2)
These requisites may not apply to students in certain courses. See access conditions.

This is predominantly an experimentally based subject. It builds upon the approach to experimentation introduced in the first year and provides a firm foundation for later experimental work. In particular, a focus is brought to methods of measurement and principles of data analysis of relevance to laboratory-based experimentation. The subject reinforces basic principles with practical applications drawn from various areas of applied physics. An experimentally based project is a major feature of this subject, where experimental design, data analysis and faithful and accurate reporting are emphasised.

Typical availability

Spring semester, City campus

68416 Computational Physics

6cp; 5hpw
Requisite(s): 33360 Mathematics for Physical Science OR 68038 Advanced Mathematics and Physics
These requisites may not apply to students in certain courses. See access conditions.

This subject introduces the key elements of computational physics such as methods for solving physical problems numerically and the use of computers for simulating the dynamics of large or complex systems. Numerical techniques including matrix manipulation, iterative optimisation and differential equation solvers. These are developed and applied to practical problems such as quantum mechanical simulations, statistical mechanics, electrodynamcs and fields and molecular dynamics. Project work leads students to advanced simulation work including processing and visualisation of results.

Typical availability

Autumn semester, City campus

68513 Optics and Nanophotonics

6cp; 4hpw

Requisite(s): (68201 Physics in Action OR 68037 Physical Modelling) AND (33360c Mathematics for Physical Science OR 68038 Advanced Mathematics and Physics)

These requisites may not apply to students in certain courses. See access conditions.

Recommended studies: 68315 Imaging Science; 68606 Solid-State Science and Nanodevices

This subject builds upon the foundation studies of waves and optics undertaken in an introductory physics subjects. It takes advantage of the methods of vector calculus and differential equations to analyse how propagating fields interact with matter. The subject shows that field distributions at the nanoscale play an important role in many well-established and developing biological and chemical nanoscale analytic tools. Topics include: Maxwell's equations, interaction of electromagnetic waves and matter, diffraction and holographic gratings, near-field optics and bionanophotonics.

Typical availability

Spring semester, City campus

68606 Solid-state Science and Nanodevices

6cp; 5hpw

Requisite(s): 68413 Quantum Physics

These requisites may not apply to students in certain courses. See access conditions.

This subject provides an introduction to the quantum mechanics of electrons in solids and shows how the basic principles are used to guide the development of nanodevices which have technological applications. The subject has a substantial laboratory component which provides an opportunity to work with nanostructured materials.

Typical availability

Autumn semester, City campus

68723 Research Dissertation 1 (Science)

24cp

For subject description, contact UTS: Science.

68724 Research Dissertation 2 (Science)

24cp

Requisite(s): 68723 Research Dissertation 1 (Science)

There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Science.

69337 Special Reading Subject

3cp

This subject can only be undertaken following prior negotiation on the part of the student with a full-time member of academic staff regarding individual supervision. In addition, special permission of the Associate Dean (Teaching and Learning) is required.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Summer session, City campus

69500 Career Management for Scientists

6cp; 4hpw

The aim of this subject is to enable students to research and understand the requirements of employers of science graduates and to review and effectively promote both discipline specific skills and graduate attributes to employers in their fields of interest. It develops professional skills and behaviours sought by employers that enable graduates to transition effectively into science or other industries. It requires students to research relevant work opportunities in the local or global workplace, to analyse their capacities in relation to employer requirements in that field and review education and training needs for ongoing employment. It enables students to analyse and apply effective interpersonal skills in teamwork and develop confidence in their business communication and presentation skills. Students clarify career goals, identify relevant professional capacities and graduate attributes and learn to successfully articulate these capacities and experiences to employers. The subject also supports the development of a skills based e-portfolio for ongoing career management.

Typical availability

Spring semester, City campus

70102 Foundations of Law

8cp

This subject aims to engage students with the concepts of law and legal systems, the Australian legal framework, and legal method and research in a legal context. Students are introduced to the Australian legal system – its origins, institutions, culture and theoretical foundations – and legal method and research. Students begin to develop skills in: case analysis, statutory interpretation, critical analysis and evaluation, legal reasoning, legal discourse and legal problem solving. Students are also introduced to a range of research skills necessary to locate and evaluate resources and develop an effective research strategy.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70103 Ethics Law and Justice

6cp

This subject aims to engage students with an awareness and understanding of the role of ethics in the legal system and in the legal profession.

Students are introduced to theories of values, morals and ethics within the context of professionalism. The ethical responsibilities of legal practitioners, established through the common law, legislation and conduct rules, including the obligations relating to a solicitor's trust account, are addressed. An understanding of the role of lawyers in society and in the promotion of access to justice enables students to reflect on their own ethical approach to being a law student and a member of the legal profession.

Students are provided with a grounding in skills, including identification of ethical challenges, critical analysis of the role of lawyers in the administration of justice, reflective practice and ethical decision-making.

The integration of practical and theoretical approaches to legal ethics provides a framework in which students can better integrate ethical priorities within their own moral framework. These approaches also include self-management strategies and skills to assist students to be resilient and reflective lifelong learners.

Ethics complements the learning undertaken in 70102 Foundation of Law through its focus on the ethical perspectives on the concepts of law and legal systems and the Australian legal framework. As well students are also introduced to international ethics together with emerging ethical issues.

70104 Civil Practice

6cp

This subject deals with the area of civil practice. The application of civil practice in New South Wales is addressed to enable students to have an understanding of the legal and ethical context in which lawyers operate within the civil jurisdiction.

Areas of study in this subject follow the interpretation and application of civil practice governed by the *Civil Procedure Act 2005* and the *Civil Procedure Rules 2005* (UCPR).

Civil practice follows the scope of the Act and Rules, such as the resolution and settlement of disputes, the commencement of proceedings, representation and advocacy, the drafting and filing of documents, service, interlocutory applications and resolution, including alternative processes for dispute resolution. Preparation of client and their matters are presented and discussed within a problem-solving framework.

The Act and Rules form the framework for caseload management in the Supreme, District and Local courts. The legislation gives power to judicial officers to firstly direct the business of the court and caseload manage all matters, and secondly to direct the parties as to the management of their individual case. Statute law is supported by relevant case law.

Case law is relevant when it is applicable to the issues before the NSW courts. Some of the cases looked at in the subject concern the uniform civil procedure legislation. The cases that do not come within the legislation have similar legislation or principles. The purpose of referring to these cases, outside the NSW civil procedure regime, is to determine and discuss the relevant link between the principles and the current civil procedure framework.

Three of the significant results of the uniform civil procedure regime are:

- the increased resolution of disputes through non-adversarial processes
- the more active role of the courts in the conduct of proceedings, and
- the additional roles and duties of legal practitioners acting for the parties in civil disputes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70106 Principles of Public International Law

6cp

International Law is a well-established and important branch of law which has a wide scope of application and far-reaching implications for almost every aspect of human activity. This subject introduces students to the fundamental concepts and principles of public international law. It pays particular attention to the development of the law through the machinery of the United Nations in its relationship with states, other international organisations and individuals.

The topics covered in the subject include nature, sources and subjects of international law; the relationship between international and national law; personality and recognition; state jurisdiction and immunities; law of treaties; state responsibility; peace settlement of disputes; and use of force.

This subject would benefit students intending to take subjects in the areas of international humanitarian law, human rights law; international criminal law; international environmental law; international organisations law; law of the sea; WTO law, and the Jessup International Moot.

70107 Principles of Company Law

8cp

This subject examines the role and operation of companies in Australia and in modern commercial practice. The internal operation of companies is discussed, particularly the role of members; meetings, the corporate constitution, the board of directors and the duties of corporate directors and other officers. The topic of separate corporate personality is also discussed, together with the role of the limited liability principles.

The subject also considers the role of state regulation of corporate activity using a range of social, political and theoretical perspectives. Both for profit and not-for-profit companies are examined, but the primary focus is on companies registered under the *Corporations Act 2001* (Cwlth).

70108 Public International Law

6cp

International Law is a well-established and important branch of law which has a wide scope of application and far-reaching implications for almost every aspect of human activity. This subject introduces students to the fundamental concepts and principles of public international law. It pays particular attention to the development of the law through the machinery of the United Nations in its relationship with states, other international organisations and individuals.

The topics covered in the subject include nature, sources and subjects of international law; the relationship between international and national law; personality and recognition; state jurisdiction and immunities; law of treaties; state responsibility; peace settlement of disputes; and use of force.

This subject would benefit students intending to take subjects in the areas of international humanitarian law, human rights law; international criminal law; international environmental law; international organisations law; law of the sea; WTO law, and the Jessup International Moot.

70109 Evidence

6cp

Undergraduate and Postgraduate

This subject is based around the provisions of the *Evidence Act 1995*. Students study aspects of criminal procedure, as well as the rules about the admissibility of evidence. Topics include arrest, bail, police interrogation, the right to silence, types of evidence and the thresholds to the admissibility of evidence including relevance, hearsay, opinion, credibility, character, tendency and coincidence, discretionary exclusions, directions and warnings. Students examine the law reform processes that underpin the rules in NSW and federal courts and study the interpretation of these rules in judicial decisions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70110 Introduction to Law

6cp

Undergraduate

The subject is designed for non-lawyers and lawyers from legal traditions other than the common law tradition who need to acquire an understanding of the Australian legal system and fundamental principles within main areas of Australian law to assist them to undertake more specialised studies including those in a range of disciplines and fields other than law. It is designed to provide, in a module of nine out of a total of 12 topics, an introduction to the Australian legal system and an understanding of the western legal traditions and common law foundations for the legal system, followed by an introduction to principles of legal research and legal problem-solving, and to legal principles in the main areas of the law. This provides a foundation for students to undertake the research and learning in the last three topics of the subject which are specific to students' courses. It is intended that these nine topics are offered as an adjunct to a number of courses both internal and external, and it is designed to give an overview of those areas required to underpin the more specific and in-depth course materials which are taught in the remaining three topics. By combining the teaching of an understanding of the Australian legal system and major legal concepts with teaching the skills of research and legal problem-solving, the first nine topics of the subject equip students to move effectively into the specialised learning required not only in the last three topics but in their other subjects and their future studies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70114 Criminal Law and Procedure

8cp

Undergraduate and Postgraduate

This subject deals with the substantive criminal law, the doctrines and rules that define the conditions of criminal liability and some aspects of procedural criminal law. Australian common law doctrine and the *Crimes Act 1900* (NSW) are considered. Topics include: the nature of crime; the doctrines of mens rea and actus reus; burden of proof; strict liability; offences against the person; property offences; complicity and criminal defences.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/NRQLy3LkeJs
- Academic video: www.youtu.be/7HOYparM4Dw

70115 Perspectives on Law

8cp

Undergraduate and Postgraduate

This subject aims to introduce students to the law and the Australian legal system through the lens of a variety of perspectives, including: ethical, philosophical, historical, indigenous, constitutional, international and cultural perspectives. In this way students not only develop an understanding of the fundamental concepts which underpin our legal system, as well as an appreciation of the interrelationships between its various institutions, but moreover acquire an insight into the workings of and tensions within our legal system and so be in a position to critically evaluate the strengths and weaknesses of the Australian legal system and the role of law in the Australian community. Students are given the opportunity to read and critically assess a range of materials from a variety of sources. Students are also introduced to a range of legal assessment skills relevant to their studies in law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70116 Principles of Public International Law

8cp

International law is a well-established and important branch of law which has a wide scope of application and far-reaching implications for almost every aspect of human activity. This subject introduces students to the fundamental concepts and principles of public international law. It pays particular attention to the development of the law through the machinery of the United Nations in its relationship with states, other international organisations and individuals.

The topics covered include the nature, sources and subjects of international law; the relationship between international and national law; personality and recognition; state jurisdiction and immunities; the law of treaties; state responsibility; peace settlement of disputes; and use of force.

This subject would benefit students intending to study the following unit areas: international humanitarian law; human rights law; international criminal law; international environmental law; international organisations; law of the sea; world trade law; and the Jessup international mooting competition.

70120 Legal Method and Research

6cp

Requisite(s): 70110 Introduction to Law AND 76006 Public International Law

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

The aim of this subject is to engage students with legal systems, legal reasoning, legal problem solving and legal research. Firstly, students are introduced to the Australian legal system, legal reasoning and the legal method skills of case analysis, statutory interpretation, legal problem solving and legal research. Legal method skills are fundamental to both the study and practice of law and students are able to develop these skills in a range of contexts. Students are also given opportunities to explore different approaches to legal reasoning and the contentious issue of judicial law-making.

Secondly, students are introduced to and develop a range of legal research skills. Students learn to distinguish between and locate primary and secondary sources of law using a number of library resources. Students also learn to develop research strategies and apply effective methodologies that suit the circumstances of the research tasks. Legal method and research are essential in the study of all subjects in the law program.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/x64fAAXTDuQ
- Academic video: www.youtu.be/f5p-IQiiNwU

70211 Contracts

8cp

Requisite(s): ((70113 Legal Process and History AND 70105c Legal Research) OR 79203 Business Law and Ethics OR 70120c Legal Method and Research)

Undergraduate and Postgraduate

This subject deals with the legal principles related to binding promises, the issues arising out of their interpretation, performance, and termination. The topics covered include the formation of contracts (agreement, consideration, intention, writing, legality of subject, capacity, privity); content and construction; vitiating factors (mistake, misrepresentation, duress, undue influence, unconscionability); discharge by performance and non-performance of contractual obligations (breach and frustration); and contractual remedies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70218 Criminal Law

8cp

Requisite(s): (70113c Legal Process and History AND 70105c Legal Research) OR (70115c Perspectives on Law AND 70120c Legal Method and Research)

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate and Postgraduate

This subject deals with the substantive criminal law, the doctrines and rules that define the conditions of criminal liability and some aspects of procedural criminal law. Australian common law doctrine and the *Crimes Act 1900* (NSW) are considered.

Topics include: the nature of crime; the doctrines of mens rea and actus reus; burden of proof; strict liability; offences against the person; property offences; complicity and criminal defences.

Typical availability

Autumn semester, City campus

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/NRQLy3LkeJs
- Academic video: www.youtu.be/7HOYparM4Dw

70311 Torts

8cp

Requisite(s): ((70113 Legal Process and History AND 70105c Legal Research) OR 79203 Business Law and Ethics OR 70120c Legal Method and Research)

Undergraduate and Postgraduate

This subject covers the functions and aims of the law of torts. The law of torts deals with claims for redress for civil wrongs. Students examine the nature of tortious liability in the light of a selection of specific torts, namely, trespass to the person, goods and land; detinue and conversion, the action on the case for wilful injuries; negligence; nuisance and statutory workers compensation and motor vehicle accident schemes. Negligence is the most significant tort and it is the primary focus of this subject. Students engage with and develop an understanding of the common law development of doctrine and rules through reading cases. In 2002 and 2003 there were significant legislative reforms to tort law and the impact of this legislation, in particular the *Civil Liability Act 2002* (NSW), and its relationship to the common law is examined.

A law of torts subject is required for admission as a legal practitioner in all Australian jurisdictions. This subject is part of the core program for the Bachelor of Laws and provides students with foundational knowledge required for more advanced 'private law' subjects in the law degree. Subjects covering areas such as commercial law, and equity and corporate law also require a sound knowledge of tort law as a basis for the legal concepts learned in those subjects.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70317 Real Property

8cp
Requisite(s): ((70211 Contracts AND 70311c Torts) OR 79203 Business Law and Ethics)
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

This subject deals with the law relating to transactions and title in land. The topics covered in this subject include torrens title and priorities; old system, possessory, qualified and limited title; fixtures; trespass to land; co-ownership; easements; covenants; mortgages, tenures and estates; and native title and leases.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70327 Commercial Law

6cp
Requisite(s): 70211 Contracts AND 70311c Torts
Undergraduate and Postgraduate

In this subject students develop an understanding of aspects of commercial transactions. They also examine the law relating to chattel leases, cheques, negotiable instruments, guarantees, sale of goods, product liability and the application of key provisions of the *Australian Consumer Law*.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70417 Corporate Law

8cp
Requisite(s): 70317c Real Property AND 70517c Equity and Trusts
Undergraduate and Postgraduate

Corporations are an all-pervading presence in contemporary society. An understanding of corporate law is essential for students intending to enter a commercial legal practice or aspiring to a senior appointment within a company. Awareness of the different rights and responsibilities of corporate stakeholders, such as directors, employees, creditors and shareholders, is also important for any prospective lawyer, since so many legal issues involve one or more corporations as parties to the action or transaction.

This subject is an introduction to the field of corporate law and corporations, and their role in commerce and society. It looks at that mode of business activity conducted in the form of a vehicle known as a company or a corporation and asks 'What/why/how/who is it?'. It looks at the various actors involved: shareholders, directors, creditors, regulators and the public, and the web of relationships between these parties. It also looks at the legal system and laws, corporate laws, and how they provide dispute resolution mechanisms. In addition, the increasing role of laws as regulatory and prescriptive is explored with a tilt towards understanding and utilising theoretical models of the body corporate and public policies.

This subject is taught from a student-centred perspective, with an emphasis on case and policy analysis, which may involve lectures, seminars and online exercises. It is Australian-laws focused and cases chosen for readings and discussion reflect this bias.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70517 Equity and Trusts

8cp
Requisite(s): 70317 Real Property
Undergraduate and Postgraduate

This subject covers two related fields of study.

In 'equity' students examine the doctrines and remedies which were originally developed in the Courts of Chancery in England prior to 1873 to ameliorate the harshness of the common law and which are still applied today to the largely same effect, with some modification from time to time. Equitable doctrines and remedies do not replace the common law but supplement it in significant ways by recognising and enforcing obligations which are not known to the common law and by granting remedies in respect of those obligations which are not available at common law. These doctrines and remedies are now administered in the same courts in which the common law is administered. Many areas of law are touched by equitable doctrines and remedies. In particular, the law of contract and property law are significantly affected by equity. Through the study of equity, students examine the range of discretionary remedies which are available for breach of particular obligations.

In 'trusts' students explore the concept of a trust which was developed in the Courts of Chancery, whereby an interest in property is legally owned by one party but held for the benefit of another person or purpose permitted by law. The obligations of the party owning the interest at law, and the rights of the beneficiary to that interest, continue to be recognised and enforced in equity. Trusts are now commonly used in both private arrangements and for commercial purposes, having particular consequences for taxation and insolvency. The relevant principles and modern applications of trusts are considered.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70616 Australian Constitutional Law

8cp
Requisite(s): ((70105 Legal Research AND 70113 Legal Process and History) OR (70115 Perspectives on Law AND 70120 Legal Method and Research)) AND 70211c Contracts
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject aims to provide an understanding of:

- the philosophies and principles which shape Australian constitutional law
- the nature and content of the Commonwealth and state constitutions
- the role and methods of the High Court in interpreting the Constitution
- the distribution of legislative power under the Constitution
- the scope of particular grants of legislative power to the Commonwealth
- the role of international law, including treaties, in shaping Australian domestic law
- the relationship between the Commonwealth and the states under the Constitution
- the scope of the executive, parliamentary and judicial powers of the Commonwealth, the states and the territories
- the relationship between the three arms of government in Australia
- those rights and freedoms guaranteed by the Constitution, both express and implied, and
- the nature of 'representative government'.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70617 Administrative Law

8cp
Requisite(s): 70616c Australian Constitutional Law
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

This subject deals with the control of government decisions. The primary focus is on the various mechanisms designed to achieve accountability on the part of officials who exercise broad discretionary powers, including decisions of the Governor-General, Ministers of the Crown, department heads, public servants and other public officers. (Judicial review ensures supervision by the executive arm of government of decisions made by the executive. Accountability of the executive is also achieved through other mechanisms such as the role of the ombudsman, freedom of information legislation, and privacy and anti-corruption legislation.) The subject deals principally with judicial review by the courts of decisions and actions of government. It also deals with some aspects of administrative law relating to non-governmental bodies. Administrative law is studied under the following broad topic areas: grounds of review of administrative decisions, in particular procedural fairness, ultra vires and jurisdictional error; and remedies available upon judicial review,

including prerogative writs and equitable remedies. The subject also deals with judicial review; administrative review, especially the jurisdiction of the *Administrative Appeals Tribunal Act 1975* (Cwlth) and comparable state legislation. The role of the Ombudsman, freedom of information and anti-corruption legislation is also reviewed. This subject aims to provide an understanding of:

- the central principles and the rights of the individual in dealing with government through administrative law, including the ideals of preservation of order, the welfare of the citizen, natural justice and the rights of the individual in contrast to governmental power
- the processes of institutions, both administrative and judicial, which regulate administrative action, and
- the institutions, legal principles, reasoning, constructs and techniques of administrative law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

70717 Evidence and Criminal Procedure

6cp

Requisite(s): (70218 Criminal Law OR 70217 Criminal Law) AND 70417c Corporate Law AND (70517c Equity and Trusts OR 70516c Equity and Trusts)

Undergraduate and Postgraduate

This subject is based around the provisions of the *Evidence Act 1995*. Students study aspects of criminal procedure, as well as the rules about the admissibility of evidence. Topics include arrest, bail, police interrogation, the right to silence, types of evidence and the thresholds to the admissibility of evidence including relevance, hearsay, opinion, credibility, character, tendency and coincidence, discretionary exclusions, directions and warnings. Students examine the law reform processes that underpin the rules in NSW and federal courts and study the interpretation of these rules in judicial decisions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

71116 Remedies

6cp

Requisite(s): 70516c Equity and Trusts OR 70517c Equity and Trusts

Undergraduate

This subject deals with the range of self-help and court-ordered private remedies available to a plaintiff in civil proceedings. It brings together what students have studied or are studying in subjects such as equity, contract and tort into one coherent subject. A plaintiff often has more than one cause of action, and more than one remedy, and complete advice requires a comparison and evaluation of the alternatives. This subject aims to provide an understanding of the remedies available at common law, in equity and under statute, their interrelationship and the practical and theoretical considerations that underpin them.

Following an introduction to the subject and discussion of self-help remedies and declarations, the principal forms of damages for civil wrongs are then considered: compensatory damages reflecting the plaintiff's loss; and restitutionary damages referenced by the defendant's gain. Damages which do not depend on the commission of a wrong are then covered, in particular restitution for unjust enrichment. Non-monetary remedies are then covered: the general equitable remedies of injunction and specific recovery; and the mostly contract-specific remedies of specific performance, rectification, rescission and their statutory extensions. Finally, discretionary damages (nominal, exemplary and equitable) for civil wrongs and the principal forms of interlocutory relief are considered.

Typical availability

Autumn semester, City campus

Spring semester, City campus

72104 Insolvency, Restructuring and Turnaround Management

6cp

For further details, contact UTS: Law.

75402 Property Transactions

6cp; offered either on campus (lecture: 1hpw, workshop: 2hpw) or by distance requiring no on-campus attendance (lectures are taped for distance students)

Requisite(s): (75412c Legal Skills AND (75420c Ethics and Professional Conduct OR 75415c Professional Conduct 1) AND (132credit points in C04148 Master of Law and Legal Practicec 132 credit points in C04148 Master of Law and Legal Practice OR 108credit points in C04236 Juris Doctorc 108 credit points in C04236 Juris Doctor OR 156credit points in C10124 Bachelor of Lawsc 156 credit points in C10124 Bachelor of Laws OR 156credit points in C10125 Bachelor of Business Bachelor of Lawsc 156 credit points in C10125 Bachelor of Business Bachelor of Laws OR 156credit points in C10129 Bachelor of Laws Bachelor of Arts in International Studiesc 156 credit points in C10129 Bachelor of Laws Bachelor of Arts in International Studies OR 156credit points in C10131 Bachelor of Medical Science Bachelor of Lawsc 156 credit points in C10131 Bachelor of Medical Science Bachelor of Laws))

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate and Postgraduate

The subject explores the legal practitioner's role in property transactions, including torrens title and strata title conveyancing transactions, commercial and residential leases, mortgages, finance, powers of attorney and options. Students learn and practise tasks in preparation for professional practice as an entry-level lawyer including a practice file for a residential conveyance and preparation of a commercial lease. Students develop their skills in applying their knowledge and understanding of the law in the context of property transactions. The subject encourages students to experience and reflect on some of the graduate attributes developed by the faculty.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75403 Commercial and Estate Practice

6cp; distance

Requisite(s): ((132credit points in C04148 c Master of Law and Legal Practice OR 108credit points in C04236 c Juris Doctor OR 156credit points in C10124 c Bachelor of Laws OR 156credit points in C10125 c Bachelor of Business Bachelor of Laws OR 156credit points in C10129 c Bachelor of Laws Bachelor of Arts in International Studies OR 156credit points in C10131 c Bachelor of Medical Science Bachelor of Laws) AND 75412c Legal Skills)

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate and Postgraduate

The subject explores the legal practitioner's role in commercial and estate practice, including the sale and purchase of businesses, planning business structures, employer obligations, drafting and analysing wills, applying for probate or letters of administration and administering estates. Students learn and practise tasks in preparation for professional practice as an entry-level lawyer in the areas of commercial and estate practice. The subject encourages students to experience and reflect on some of the graduate attributes developed by the faculty.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75411 Practical Experience

0cp
Requisite(s): (((132Credit Points in spk(s): C04148 c Master of Law and Legal Practice OR 108Credit Points in spk(s): C04236 c Juris Doctor OR 156Credit Points in spk(s): C10124 c Bachelor of Laws OR 156Credit Points in spk(s): C10125 c Bachelor of Business Bachelor of Laws OR 156Credit Points in spk(s): C10129 c Bachelor of Laws Bachelor of Arts in International Studies OR 156Credit Points in spk(s): C10131 c Bachelor of Medical Science Bachelor of Laws) AND 75424c Legal and Professional Skills) OR 75424c Legal and Professional Skills)
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

Students in this subject undertake a minimum of 16 weeks of full-time or equivalent part-time work experience in a legal office environment. Practical experience placements must be approved in advance by the UTS Faculty of Law Practical Experience Committee and completed in accordance with the practical experience rules. Students must complete their practical experience work placement within five semesters of enrolling in this subject.

75412 Legal Skills

6cp; offered either on campus (1.5hpw lecture, 2hpw workshops as timetabled) or by distance requiring students to attend on Saturdays as timetabled for two days of workshops (all day) and two days for assessment in short blocks (1-2hrs); lectures are recorded and available on UTS online
Requisite(s): (70417 Corporate Law AND (70717 Evidence and Criminal Procedure OR 71216 Law of Evidence) AND (132credit points in C04148 c Master of Law and Legal Practice OR 108Credit Points in spk(s): C04236 c Juris Doctor OR 156Credit Points in spk(s): C10124 c Bachelor of Laws OR 156Credit Points in spk(s): C10125 c Bachelor of Business Bachelor of Laws OR 156Credit Points in spk(s): C10129 c Bachelor of Laws Bachelor of Arts in International Studies OR 156Credit Points in spk(s): C10131 c Bachelor of Medical Science Bachelor of Laws))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject introduces students to the skills and awareness that together form the professional persona of an effective legal practitioner. The skills of interviewing and advising, writing, drafting and negotiating are covered. The subject also examines the areas of human behaviour and practices that a lawyer needs to be sensitive to in order to be an effective practitioner. These include work management, legal aid, access to justice and disability and EEO issues.

The approach to problem solving is explored, discussed and developed as a law student is refined and redirected to become client centred. A lawyer's most valuable tool is the ability to communicate. Participation in workshops dealing with drafting, interviewing and negotiation tasks are designed to enable students to practise these key skills in a client-focused environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75413 Advocacy

6cp; off-campus students must participate in UTSOnline workshops during semester, and are also required to attend a two-day intensive during the UTS: Law non-teaching week and a three-day intensive during the final exam week
Requisite(s): ((132credit points in C04148 c Master of Law and Legal Practice OR 108Credit Points in spk(s): C04236 c Juris Doctor OR 156Credit Points in spk(s): C10124 c Bachelor of Laws OR 156Credit Points in spk(s): C10125 c Bachelor of Business Bachelor of Laws OR 156Credit Points in spk(s): C10129 c Bachelor of Laws Bachelor of Arts in International Studies OR 156Credit Points in spk(s): C10131 c Bachelor of Medical Science Bachelor of Laws) AND 75412c Legal Skills AND (70717 Evidence and Criminal Procedure OR 71216 Law of Evidence) AND 75421c Civil Litigation)
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

This subject develops the skills necessary to prepare for and present evidence and argument in court. The primary focus of the subject is on the techniques involved in examination-in-chief, cross-examination, re-examination, making objections to evidence and the presentation of an opening and closing address. On-campus students practice skills through attending workshops, participating in exercises, presenting a local court mention, a bail application, a plea of guilty, a defended hearing and preparing an interlocutory application in the District Court. Off-campus students participate in these activities online and demonstrate the skills in an intensive week on campus during the faculty non-teaching week and at the end of the semester. This subject aims to provide the skills necessary to:

- present a mention, bail application and plea of guilty
- develop persuasive argument and submissions
- prepare a defended matter for court using the 'proof making model', and
- conduct a defended matter including the presentation of evidence.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75420 Ethics and Professional Conduct

6cp; on campus
Requisite(s): 70120c Legal Method and Research AND 70115c Perspectives on Law
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject provides a basis for the understanding of the ethical responsibilities of legal practitioners, including obligations relating to a solicitor's trust account. The lectures focus on the practical applications of admission to practice, including the basic requirement for the operation of a solicitor's trust account and alternative approaches to applying legal ethics. The practice of law requires an understanding of the *Legal Profession Act 2004* (NSW) and *Legal Profession Regulation 2005* (NSW), the Professional Conduct Rules and case law. The integration of practical and theoretical approaches to legal ethics provides a framework in which students can better integrate ethical priorities within their own moral framework. The tutorials provide scenarios in which students can better understand and discuss the application of the common law and rules as well as giving an opportunity to explore the various approaches to legal ethics.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75422 Transactional Practice

6cp

Requisite(s): ((75420c Ethics and Professional Conduct AND 75421c Civil Litigation AND 75424c Legal and Professional Skills AND (108 Credit Points in spk(s): C04236 Juris Doctor OR 156 Credit Points in spk(s): C10124 Bachelor of Laws OR 156 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 156 Credit Points in spk(s): C10129 Bachelor of Laws Bachelor of Arts in International Studies OR 156 Credit Points in spk(s): C10131 Bachelor of Medical Science Bachelor of Laws)) OR 75424c Legal and Professional Skills)

These requisites may not apply to students in certain courses. See access conditions.

This subject covers the skills, practice areas and values required of a law student to be admitted to practise law as prescribed by the 'competency standards' set out in the Sixth Schedule to the Legal Profession Admission Rules 2005. The subject assumes an understanding of disciplinary knowledge taught in core law subjects in a relevant degree. Students learn and practise tasks in preparation for professional practice as an entry-level lawyer.

This subject focuses on law, practice, procedure and skills to enable students to:

- conduct and advise on property transactions such as conveying torrens title and strata title residential property; advise on, create and release securities; advise on, create and transfer leases; identify revenue issues of property transactions; advise on land use, powers of attorneys, residential tenancies and options
- conduct and advise on commercial transactions such as the sale and purchase of a business; set up and advise on business structures and the continuing obligations in relation to those structures; identify revenue implications of commercial transactions and refer clients to appropriate expert advisers; advise on loans, securities and financing arrangements for commercial transactions.

Students also draft relevant documentation and analyse issues in clients' problems as well as offering options and solutions.

The subject encourages students to experience and reflect on the targeted Graduate Attributes developed by the faculty.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75423 Litigation and Estate Practice

6cp

Requisite(s): ((75420c Ethics and Professional Conduct AND 75421c Civil Litigation AND 75424c Legal and Professional Skills AND (108 Credit Points in spk(s): C04236 Juris Doctor OR 156 Credit Points in spk(s): C10124 Bachelor of Laws OR 156 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 156 Credit Points in spk(s): C10129 Bachelor of Laws Bachelor of Arts in International Studies OR 156 Credit Points in spk(s): C10131 Bachelor of Medical Science Bachelor of Laws)) OR 75424c Legal and Professional Skills)

These requisites may not apply to students in certain courses. See access conditions.

This subject covers the skills, practice areas and values required of a law student to be admitted to practise law as prescribed by the 'competency standards' set out in the Sixth Schedule to the Legal Profession Admission Rules 2005. The subject assumes an understanding of disciplinary knowledge taught in core law subjects in a relevant degree. In this subject, students learn and practise tasks in preparation for professional practice as an entry-level lawyer.

This subject has three components.

1. **Civil Litigation Practice**: this subject component deals with the theory of civil practice and procedure in NSW governed by the Civil Procedure Act and Uniform Civil Procedure Rules. Areas of study include identification of case theory, the merits of a case, litigation and alternative dispute resolution options, drafting of court documents including pleadings and affidavits, gathering of evidence and preparation for and engagement in an alternative dispute resolution activity (interests-based negotiation).
2. **Wills and Estate Practice**: this subject component covers drafting and advising on wills, obtaining grants, administering deceased estates, identifying issues and problems that arise in will drafting and estate administration and resolving and advising on these issues and problems.
3. A choice of either:
   - **Option A (Family Law Practice component):** this subject component covers advising clients about matters following the breakdown of a relationship, marriage or de facto. Students draft appropriate documents to be filed with the court and appear before the court, or
   - **Option B (Criminal Law Practice component):** this subject component covers preparing and presenting a bail application, a plea of guilty and a case theory analysis document based on allocated fact situations.

The subject encourages students to experience and reflect on the targeted graduate attributes developed by the faculty.

Typical availability

Autumn semester, City campus

Spring semester, City campus

75424 Legal and Professional Skills

6cp

Requisite(s): (75420c Ethics and Professional Conduct AND 75421c Civil Litigation AND (108 Credit Points in spk(s): C04236 Juris Doctor OR 156 Credit Points in spk(s): C10124 Bachelor of Laws OR 156 Credit Points in spk(s): C10125 Bachelor of Business Bachelor of Laws OR 156 Credit Points in spk(s): C10129 Bachelor of Laws Bachelor of Arts in International Studies OR 156 Credit Points in spk(s): C10131 Bachelor of Medical Science Bachelor of Laws))

These requisites may not apply to students in certain courses. See access conditions.

This subject covers the skills, practice areas and values required of a law student to be admitted to practise law as prescribed by the 'competency standards' set out in the Sixth Schedule to the Legal Profession Admission Rules 2005. The subject assumes an understanding of disciplinary knowledge taught in core law subjects in a relevant degree. In this subject, students learn and practise tasks in preparation for professional practice as an entry-level lawyer.

This subject focuses on the ability to demonstrate legal skills and the understanding of the ethical responsibilities of legal practitioners, including obligations relating to a solicitor's trust account. The practice of law requires an understanding of the legislative and regulatory environment in which the legal profession operates. The integration of practical and theoretical approaches to legal ethics and legal practice provides a basis from which students can better integrate ethical priorities within their own moral compass and develop personal priorities around resilience.

Participation in workshops dealing with drafting, interviewing and negotiation tasks are designed to enable students to practice essential skills in a client focused environment. The workshops also provide practical scenarios in which students can better understand the application of the conduct rules, the operation of trust accounting procedures and the application of resilience tools in the work place environment.

The subject encourages students to experience and reflect on the targeted graduate attributes developed by the faculty.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76001 Comparative Law

6cp

Requisite(s): ((70120 Legal Method and Research OR 70105 Legal Research)) OR (70110 Introduction to Law AND 76006c Public International Law)

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate and Postgraduate

This subject focuses on how different legal systems function in the world today. It examines current and past theories of comparative law in the context of globalisation and the internationalisation of law. It provides an introduction to each of the world's major legal systems in their various manifestations and the way in which they are adapting to modern challenges. As well as the traditional comparisons of common, civil and socialist law, the subject considers the theory and practice of legal pluralism and the place of indigenous and religious based laws within state legal systems.

76002 Sports Law

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice AND 70211 Contracts AND 70311 Torts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

The law of sport and recreation is a commercial law subject. This is to be expected in an industry that is a major economic driver. Moreover, sport-based disputes seem to have an urgency about them that sees them litigated within a few weeks of a cause of action arising. With the growth of professionalism, the internationalisation of sport, media influence, sporting sponsorship and high profile sporting cases, sport once quarantined from the impact of the law, is now at the forefront.

Any sporting event generates a number of legal concerns, for example: what rights of appeal exist for non-selected athletes; issues concerning doping; to whom does a team doctor owe their duty of care; are athletes illegally exploited by major sporting organisations; when can an athlete be criminally charged for violent acts; do sporting disciplinary tribunals function legally; how should the sporting organisation deal with claims of discrimination; are coaches and clubs legally liable for the actions of their athletes; is it legal to exclude an athlete or member of the public from a sporting venue; when is a referee legally liable in tort.

This subject considers the law as it relates to sport in Australia and several areas of international interest. It is hoped that, where appropriate, a number of guest speakers from the sporting world will present mini-lectures on matters of interest in sport and its relationship with law.

76003 Asian Law and Legal Systems

6cp; one semester
Requisite(s): ((70120 Legal Method and Research OR 70105 Legal Research)) OR (76006c Public International Law AND 70110 Introduction to Law)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

The subject exposes students to another legal system. It is designed to introduce students to the reception of legal systems in the countries of East and South-East Asia, with special reference to the reception of English law and Islamic law by these countries.

76005 Islamic Law

6cp
Requisite(s): (60 credit points of completed study in C04148 Master of Law and Legal Practice OR (70110 Introduction to Law AND 76006c Public International Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

The aim of this subject is to provide an introduction to Islamic law in theory and its practice as implemented in the modern world. Topics covered include:

- jurisprudence – reviews the origins and development of Islamic law, current issues such as codification and modernisation, and application of these principles in modern Muslim countries such as Malaysia and Pakistan
- family law and inheritance – examines the rules regarding marriage and divorce, custody of children and maintenance, the importance of the extended family, and developments in family planning law
- commercial, property and banking law – reviews new developments in these fields and looks at the model of an Islamic bank. Intellectual Property law is also considered.
- criminal law and evidence – looks at the classification of crimes, prescribed and discretionary punishments and evidence required for conviction, and
- Islam in Australia – gives an overview of the Muslim population in Australia today.

76007 International Human Rights Law

6cp
Requisite(s): (70616 Australian Constitutional Law OR (70110 Introduction to Law AND 76006c Public International Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

International human rights law seeks to address a range of contemporary issues in global politics, economics and society. While it draws on a long conceptual history of thinking through the rights of the human, this subject focuses more on the practical history and development of the current international human rights regime. Students become familiar with the substantive and procedural elements of international human rights law, and gain practical experience in debating the applicability of human rights instruments to specific situations. Students engage with a range of case studies which include consideration of the human rights issues raised by the Northern Territory Intervention, the Australian system of mandatory detention of those seeking to exercise their right to asylum, torture and ill-treatment, and corporations and human rights. The subject aims to provide students with a sophisticated appreciation of the wide range of issues that encompass human rights concerns; and to allow reflection upon the significance of international human rights law in order to develop an understanding of its usefulness, its limits and its future potential for emancipatory change.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76008 Jurisprudence

6cp
Requisite(s): (70311 Torts OR (76006c Public International Law AND 70110 Introduction to Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject deals with theoretical questions that are relevant to an understanding of the notion of law (e.g. What is the law of the state? Is there any other command, convention or the like that can also be called 'law'?). It also includes a discussion of different approaches to the study of law (e.g. philosophical, sociological, historical, analytic, international, comparative) to determine its derivation, nature and function, as well as a discussion of the doctrines and techniques of legal analysis and evaluation. The various approaches are compared and criticised in the context of sociopolitical problems, conflicts and other phenomena. Topics here include sovereignty and the law, legal rights and duties, and law and ideology. Their treatment in the common law is examined. A number of theorists are considered, e.g. Austin and Dworkin.

76009 Introduction to Chinese Business Law

6cp
Requisite(s): (70211 Contracts OR (70110 Introduction to Law AND 76006c Public International Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

With China's emergence as a new economic superpower, and with ever-deepening business ties between Australia and China, it is crucial that students gain an up-to-date understanding of Chinese business law and an awareness of major differences between Australian and Chinese legal and business cultures.

This subject adopts a case-based, problem-solving approach to focus on the following areas:

- current legal system and legal/business culture of China
- Chinese investment law environment and how it differs from Australia
- corporate structures and the status of business corporations in China since China's accession to the World Trade Organization (WTO)
- the legal environment for foreign entities doing business in and with China, potential risks and case studies

China's WTO compliance and Australia-China Free Trade Agreement — case studies.The subject is important for students wishing to understand the interactions between law, business, politics and culture in China today. Students are able to develop practical and research skills that assist them in understanding the business law environment in China in contrast to that of Australia.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76010 Disability and the Law

6cp

Requisite(s): (70120 Legal Method and Research OR (76006 Public International Law AND 70110 Introduction to Law))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject explores disability and impairment as a legal category. Students are introduced to the various competing models of disability including: the medical model, the social construction model, the human rights model and bioethical, feminist and postmodern approaches to disability. In so doing, the subject takes an interdisciplinary and international comparative approach to conceptions and theories of disability and impairment. Students examine the practical implications of these models for the construction of legal rights and responsibilities with respect to persons with disabilities in a number of key areas of law. These include health law, tort law, criminal law, international law and anti-discrimination law. Specific issues examined include: treatment-limiting decisions for newborns, constraints on reproductive decision making, abortion for disability, end of life decision making; the therapy / enhancement distinction and body modification, the UN Declaration of Human Rights, the UN Declaration of the Rights of Disabled Persons and various state and federal anti-discrimination legislation. Key issues that students need to examine are the concepts of normal and disabled, healthy and diseased and able-bodied and impaired. This subject examines and evaluates how law can best achieve the goals of social justice and equality for individuals with disabilities.

76012 Criminology

6cp

Requisite(s): 70217 Criminal Law OR 70218 Criminal Law

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

Criminology is a broad subject encompassing both theoretical and practical approaches. Theoretical aspects of criminology include analyses of why people commit crime, appropriate responses to the commission (or potential commission) of crime, and theoretical justifications for punishment. Research in criminology focuses on specific topics, providing a combination of quantitative and qualitative analysis of factors such as the impact of ethnicity, gender, sexuality, etc., on the commission of crime and the criminal justice system's responses to crime.

Students are invited to consider traditional and emerging analyses of criminology both in the abstract and applied to specific examples.

76013 World Trade Law

6cp

Requisite(s): ((70120 Legal Method and Research OR 70105 Legal Research)) OR (76006c Public International Law AND 70110 Introduction to Law)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

The rules of the World Trade Organization (WTO) underpin the conduct of international trade in about 150 countries and have direct relevance for governments, businesses and individuals. The WTO rules cover not just customs and tariffs, but also agriculture, industry development, quarantine and health, and environmental protection. This is a specialist subject on the WTO.

The second half of the subject focuses on the Australian application of trade rules and domestic and international laws governing international transactions. On completion of this subject, students have a developed understanding of the basic legal principles underpinning the multilateral trading system; the key agreements; the dispute settlement mechanism of the WTO; and its institutional structure and the decision-making processes. Students also have an understanding of the application of the law to international transactions.

76015 Labour Law

6cp

Requisite(s): 70211 Contracts AND 70311 Torts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject examines 'individual' aspects of Australian labour law under both judge-made law and selected legislation. Labour law is an important component of studies in the legal regulation of commerce. Students are introduced to the key aspects of laws which determine the rights, entitlements and responsibilities governing the relationship between an employer and an individual worker. Both practical and theoretical perspectives on individual labour law are examined. Topics covered include: employment and other categories of work relationships; formation and content of the employment contract; post-employment restraints; implied duties of employers and employees; employment terms and conditions under legislation; termination of the employment contract; unfair dismissal legislation; and unfair work contracts legislation.

76016 Advanced Revenue Law

6cp

Requisite(s): (76212 Revenue Law AND (70516c Equity and Trusts OR 70517c Equity and Trusts))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject builds on the understanding obtained in previous study. It focuses on a deeper analysis in relation to a number of taxation issues including the taxation of companies, trusts and partnerships, further capital gains tax issues, aspects of international taxation, tax administration, and tax planning, with a consideration of anti-avoidance and ethical issues in tax planning.

76019 Broadcasting and Telecommunications Regulation

6cp

Requisite(s): 70120 Legal Method and Research OR 70105 Legal Research

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject addresses the law regulating the structure of electronic communications in Australia. The subject covers the regulation of broadcasting, telecommunications and online content.

It provides students with an understanding of the policy and legal framework and addresses such questions as who can provide these services; what regulatory obligations are imposed on businesses providing these services; how are these sectors regulated to ensure that competition is promoted and no persons have undue influence over communications in Australia; what rules are in place to ensure that Australians, regardless of wealth, location, etc. have access to communications services; and how does the law respond to the impact of new technology.

This is a very topical course with a changing menu of current issues. Some current issues include provision of broadband services and access across Australia, the switch to digital technology and the regulatory response as traditional broadcasting and telecommunications frameworks give way to a global multi-platform delivery environment.

76020 Entertainment Law

6cp
Requisite(s): 70211 Contracts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject aims to provide students with a detailed and practical understanding of the legal environment of the entertainment industries in Australia. The focus of the subject is the transactions concerned with the production and distribution of content - film and television, recordings, music publishing and new media. The discussion of laws relating to the entertainment industries is placed within the broader commercial and artistic context of the entertainment business, including the impact of new media in creating new formats and a more global market, the roles of different parties, the structure and major players in the Australian industry and the processes of production and distribution. In particular, this subject aims to provide students with an understanding of the role of the entertainment lawyer and the practical knowledge and skills required to handle the transactional issues associated with the production and distribution of creative content.

76021 Advanced Remedies

6cp
Requisite(s): (70311 Torts AND 70211 Contracts AND (70516 Equity and Trusts OR 70517 Equity and Trusts))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject deals with the range of self-help and court-ordered private remedies available to a plaintiff in civil proceedings. It brings together what students have studied or are studying in subjects such as equity, contract and tort into one coherent subject. A plaintiff often has more than one cause of action, and more than one remedy, and complete advice requires a comparison and evaluation of the alternatives. This subject aims to provide an understanding of the remedies available at common law, in equity and under statute, their interrelationship and the practical and theoretical considerations that underpin them.

Following an introduction to the subject and discussion of self-help remedies and declarations, the principal forms of damages for civil wrongs are then considered: compensatory damages reflecting the plaintiff's loss; and restitutionary damages referenced by the defendant's gain. Damages which do not depend on the commission of a wrong are then covered, in particular restitution for unjust enrichment. Non-monetary remedies are then covered: the general equitable remedies of injunction and specific recovery; and the mostly contract-specific remedies of specific performance, rectification, rescission and their statutory extensions. Finally, discretionary damages (nominal, exemplary and equitable) for civil wrongs and the principal forms of interlocutory relief are considered.

76022 Insurance Law

6cp
Requisite(s): 70211 Contracts AND 70311 Torts
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject examines the principles and rules that make up Australian insurance law. Its central focus is on the rights and liabilities of the insurer and the insured, as determined by their contract of insurance, the general law and statute. Concepts such as indemnity, subrogation, utmost good faith, the duty of disclosure, insurable interest, conditions and warranties lie at the heart of most insurance arrangements. The role of insurance intermediaries is examined. Some forms of insurance are mandatory under statute (e.g. motor vehicle compulsory third party insurance, workers compensation insurance, home warranty insurance), but are not studied in detail. The impact of the *Insurance Contracts Act 1984* (Cwlth) on the rights and liabilities of insurer and insured is substantial, affects most insurance contracts commonly entered into today, and is closely studied. In the final lecture the subject also overviews some of the specialist areas of insurance law in Australia and internationally.

Note(s)

This subject was formerly called Law of Insurance.

76023 Deceptive Trade Practices and Product Liability

6cp
Requisite(s): 70211 Contracts AND 70311 Torts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

In this subject students consider the operation of the action for misleading and deceptive conduct under the Australian Consumer Law (ACL) including its nature, limitations, comparison and inter-operation with other causes of action, remedies and enforcement.

76024 Environmental Law

6cp
Requisite(s): 70211 Contracts AND 70311 Torts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

As a field of study, environmental law deals with the rules, relationships, systems and processes by which environmental protection is achieved. This subject grounds students in an introduction to the foundations of environmental law at the international, federal, state and local government levels. It introduces students to the nature and conceptual notions of environmental law with a view to enabling them to undertake more specialised courses in environmental law, either at the undergraduate or postgraduate level, such as water law and policy, international environmental law and international trade law and the environment. Topics covered in the subject include:

- the philosophy of environmental law
- international environmental law and domestic implementation of multinational environmental agreements
- constitutional support for environmental actions
- legislative framework at the federal, state and local government levels
- principles of ESD and courts interpretation of these principles
- the *Environmental Protection and Biodiversity Conservation Act 2000* (Cwth)
- NSW pollution legislation, the *Protection of the Environment Operations Act 1997*
- system of regulation and management of natural resources in NSW
- case studies of current environmental issues
- environmental institutions and resolution of environmental disputes.

76025 International Organisations

6cp
Requisite(s): 70115 Perspectives on Law AND 70120 Legal Method and Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

The proliferation of intergovernmental and non-governmental organisations is one indicator of the internationalisation of social life and the interdependence of states in the early 21st century. This subject examines the principal legal issues concerning organisations composed of states. These include the legal status and powers of organisations, membership and participation, norm-creation, dispute settlement, enforcement of decisions, peace and security activities and finally the organisations' privileges and immunities as well as their legal status and powers under national law.

At the same time, the subject addresses real-world problems such as the creation of international criminal courts, the 'succession' of Russia to the USSR's seat on the UN Security Council, the response to the break-up of Yugoslavia, the jurisdictional issues in the Lockerbie-case, the possibility of judicial review of acts of the UN Security Council, the success of WTO dispute settlement, NATO action against Serbia in 1999, the military intervention in Afghanistan and Iraq in the aftermath of 9/11 and the UN administration of Kosovo and East Timor.

Primary consideration is given to the development of the United Nations. Other universal organisations such as ILO, the Bretton Woods institutions, WTO or ICAO, as well as regional ones such as the Council of Europe, the EU and others are also dealt with. This subject does not try to provide a comprehensive picture of all of these organisations, rather it aims at helping students understand the common legal problems faced by international institutions.

76027 Competition Law

6cp
Requisite(s): 70211 Contracts AND 70311 Torts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject provides a comprehensive, in-depth and engaging examination of the economic and legal principles of competition law (also known as antitrust law or restrictive trade practices law) in Australia. It examines statute law, Part IV of the *Competition and Consumer Act 2010* (Cwlth) (CCA) (formerly Part IV of the *Trade Practices Act 1974* (Cwlth) (TPA)), the decisions of the common law Courts in interpreting the Act, as well as some international treaties on antitrust law enforcement, of which Australia is a party. Current issues and recent cases on competition laws and policies in Australia are also examined.

The subject covers the economic functioning of markets, market power and competition; the relationship between antitrust-related statute law, common law and economics; the evolution and objectives of Australian competition law and the administration and enforcement of competition law, both nationally and internationally.

The subject also covers:

- an overview of the evolution of competition law, including the reasons for the competition law, the economic functioning of markets, market power and competition, the relationship between economics and competition laws, and the legislative feature of the Australian competition law
- an in-depth examination of major anti-competitive statutory conduct in Part IV of the CCA, including mergers/acquisitions, misuse of market power, exclusionary conduct, monopolistic agreements/arrangements, exclusive dealing, and resale price maintenance
- examination of the administration and enforcement of completion law in Australia, including the roles of the Australian Competition and Consumer Commission, the Australian Competition Tribunal and the Courts. It includes also authorisation and notification regimes, remedies for private litigants and other related matters
- examination of major international treaties on antitrust law enforcement, of which Australia is a party, and major international antitrust cases in which Australia is involved.

Typical availability

Spring semester, City campus

76030 Genetics and the Law

6cp
Requisite(s): 70115 Perspectives on Law AND 70120 Legal Method and Research
There are also course requisites for this subject. See access conditions.

This subject examines the scope and limitations of existing regulation of genetic technologies with respect to humans. It also considers recent scientific and technological innovations in the area of human genetics and the role and effectiveness of law in managing these new developments. The role of law as a means to control both the development of new genetic technologies and the utilisation of existing technologies is also evaluated. This includes a specific focus on individual decision-making versus responsibility for genetic risk, individual versus group rights, genetic privacy, genetic discrimination, reproductive autonomy, and ownership and control of genetic information and research developments. Specific issues covered include regulatory limits on the use of genetic screening of adults, children and newborns; prenatal genetic testing and genetic testing of adults and children; the regulation of genetic registers, protecting genetic information privacy and the problem of familial information; measures to control genetic discrimination in employment and insurance; the regulation of genetic research through the NHMRC guidelines and other means; the regulation of genetics in medical research including gene therapy, inheritable genetic modification, stem cell research and human somatic cell nuclear transfer (cloning technologies); and the establishment of biobanks and the concept of genomic property.

76033 Animal Law and Policy in Australia

6cp
Requisite(s): 70115 Perspectives on Law AND 70120 Legal Method and Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject examines the effectiveness of existing regulation in Australia with respect to animal welfare. Topics covered include: consideration of animals in the context of morality, science and the law; the historical development of animal law as well as an overview of animal regulation in Australia; the prevention of cruelty; and the legal status of animals. The material is presented against the backdrop of the animal welfare and rights debate, encouraging students to consider and evaluate whether the current regime fosters accountability and ethical standards. In order to appraise Australia's regime more effectively, the subject also includes consideration of two topics at international and comparative levels. The first relates to advances in animal welfare introduced by the European Union, and the second relates to the impact on animal welfare by the rules of the international trade law regime, as typified by the World Trade Organization. The subject is designed to provide students with a sound understanding of the fundamentals of animal law including its application to companion animals, farm animals, wild animals and animals in laboratories.

76034 Law of Slavery and Human Trafficking

6cp
Requisite(s): 70616 Australian Constitutional Law AND 70120 Legal Method and Research AND 70115 Perspectives on Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

Slavery and human trafficking are transnational crimes. This subject comprehensively explains and evaluates international and domestic responses to slavery and human trafficking within an international law and human rights framework. While the subject addresses international law, it does so with an appreciation of the practical application of the law. The subject draws students to a critical evaluation of the state's responsibility to protect and support, and develop effective criminal justice responses. Areas covered include: the legal definitions; the international legal framework; the intersection between migrant worker exploitation, slavery and trafficking; the gender implications of slavery; trafficking and refugee law; and trafficking as a crime against humanity. State responsibility at international law is reviewed to develop a sound knowledge of the state's obligations to protect and support as well as to promote the application of effective remedies. An effective domestic and international criminal justice response is critical in the development of a framework to prevent trafficking and ensure prosecution of transnational crimes. The dimension of slavery and trafficking — the link between such transnational crimes, economic opportunities, substandard working conditions and migration — is explored. Vulnerability to trafficking, the issues of demand and the supply chain, and corruption are addressed, as well as compliance standards, monitoring mechanisms and the role of civil society. Finally, the course concludes with consideration of a body of international literature which is critical to the implementation of anti-trafficking measures.

At the end of the course, students are expected to have a deep understanding of the principles of international law and their application within the Australian domestic context. Students also gain sophisticated insight and understanding of the application of international law through a comprehensive evaluation of selected areas of law.

76036 International Trade Law and the Environment

6cp; distance
Requisite(s): 70115 Perspectives on Law AND 70120 Legal Method and Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

The trade and environment debate conceals the problematic relationship between two legitimate interests of the international community. This subject introduces students to the significant interface between international trade liberalisation and the environmental imperative of ecologically sustainable development.

Initially the subject provides an overview of the frameworks of international trade law and environmental law and an insight into the philosophical underpinnings of both institutions. The subject considers the important role of developing countries in shaping the trade/environment debate.

The subject also considers the obligations imposed by the World Trade Organization (WTO) including the Agreements on Food Safety Standards, Technical Barriers to Trade and the Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPS). The scope and operation of environmental exceptions that have been the subject of recent trade environment disputes in the WTO provide valuable insights into the area. The position of multilateral environmental agreements and the WTO is considered along with the serious implications for developing countries.

Particular specialty areas of concern are covered including ecolabelling, invasive species and intellectual property issues.

Upon completion of this subject students should be able to understand and analyse the current relationship between trade and environment, reflect in an informed manner on the future of the protection of the environment in the multilateral trade and investment regime and be able to critically assess the prospects for future harmonisation of global free trade regimes and ESD principles.

76037 Advanced Criminal Law

6cp
Requisite(s): (60 credit points of completed study in C04148 Master of Law and Legal Practice AND (70217 Criminal Law OR 70218 Criminal Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject critically examines the major forms of crime which affect society today. In analysing such crime and society's response to it, the subject begins with an examination of the principles around which criminal laws are constructed and are said to operate. In this regard, the subject focuses not only on the law itself but also on its structures and institutions of control. Particular emphasis is placed on current law and order politics and the effect this has had on criminal law. To a certain extent the subject is also comparative, focusing in particular on crimes and social responses which are global in nature.

76038 Law and Mental Health

6cp
Requisite(s): 70311 Torts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject is designed to give students an introduction and overview of the interface between the disciplines of psychiatry and law. It examines how the empirical research and theories of psychiatry intersect with the application of legal principles and practices. As a result of successfully completing this subject, students should be able to translate personal and/or social issues concerning the study of mental illness into the practice of mental health law, and evaluate the efficacy of different perspectives in relation to contemporary debates about mental illness. Students should also demonstrate successful teamwork, involving the ability to participate in collaborative learning activities face-to-face as well as the development of independent learning skills.

76039 Jessup International Moot

6cp; availability: by invitation only
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This elective encourages participation in the Jessup International Moot. The moot is organised by the Association of Student International Law Societies, which operates under the auspices of the American Society of International Law in Washington. The workload involved is particularly demanding: the problems circulated are on complex and current issues of international law. Detailed research into both international and comparative law is essential to prepare complex pleadings for both sides with a maximum size prescribed. The work involved is certainly no less than that for a large research project. The memorials are assessed by memorial judges, often including distinguished teachers of international law. In addition, there is the opportunity to present oral submissions in the four preliminary rounds. The top eight teams move on to the final rounds. Because of the rules of the Jessup Moot, no assessment is available until after the conclusion of the Australian finals of the Jessup Moot each year. Further information about the mooting competitions that UTS: Law is involved in is available at:

www.law.uts.edu.au/students/current.html

76040 Research Thesis

6cp; availability: all students in LLB and LLB combined programs, and who are in line to receive their law degree with Honours
Requisite(s): 70120 Legal Method and Research OR 70102 Foundations of Law
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject comprises the research and writing of a supervised thesis on an approved topic in law. The thesis is in the range of 8000 to 12,000 words in length. Undertaking this subject provides an opportunity for undergraduate law students to further develop and refine their legal research and writing skills, as well as explore and analyse a topic of law of their own choosing.

It is a requirement under the UTS: Law honours rule (see page 100) that this subject must be undertaken before a student can be awarded an undergraduate law degree with honours. Undergraduate students who are not in line to receive their law degree with honours are not normally approved to enrol in this subject. Students should consult the honours rules in the UTS: Handbook for information about requirements for the award of honours at graduation (note: from 1 January 2010 marks received for law exchange subjects are not included in any determination of marks either for application to undertake a research thesis or for the final award of the LLB with honours).

Early submission of the proposal and form is encouraged. Forms are accepted and processed from Week 12 of the preceding semester. The last date to submit forms is the Friday, two weeks before the start of semester, to allow for processing.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Note(s)

This subject was formerly called Research Project 4.

76041 Climate Law and Carbon Markets

6cp
Requisite(s): 70115 Perspectives on Law AND 70120 Legal Method and Research
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject examines climate change, which is one of the most pressing environmental problems of our era. It is a major business issue that is affecting law, policy and corporate behaviour. The Intergovernmental Panel on Climate Change (IPCC) has said that to avoid irreversible harm to the planet, we must stabilise greenhouse gas emissions, and this will involve a significant and rapid reduction in 'business as usual'. It will involve unprecedented cooperation at the international level as well as innovative national responses. This subject examines the potential role of the international and policy communities as well as the legal and business communities in confronting climate law. It analyses the existing and emerging legal rules and frameworks, both internationally and in Australia, the impacts of these on business and the response from industry. It critically evaluates the incentives for firms to comply and over-comply with environmental laws and participate in voluntary programs, and examines the role of business in adaptation measures and climate justice issues.

76043 Building and Construction Law

6cp

Requisite(s): 70517 Equity and Trusts

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject examines the legal and commercial relationships that typically are brought into existence during residential and commercial building and construction projects. It examines the roles of the various project participants such as clients, project managers, design and engineering professionals, cost consultants, contractors and subcontractors with particular reference to their contractual roles and responsibilities. The subject canvases the various ways in which projects are procured with reference to various forms of contract and the risks associated with each procurement method. Students are also made aware of the various ways in which the practical and legal risks can be managed through effective risk distribution and contract drafting. Some aspects of the legislative framework within which both the residential and commercial sector operates will be considered together with examples of various practical applications. Suitable dispute resolution processes are explained together with the use of expert evidence in the litigation of building and construction disputes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76045 Medicine and Law

6cp

Requisite(s): 70311 Torts AND 70617c Administrative Law

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subjects deals with the aspects of law relevant to health care. There are many issues that can arise as health law is an ever evolving and diverse area. It is subject to both local and overseas influences and regulation is challenging. When studying health law, many areas must be considered, such as: human rights, ethical practice, the advancement of medical technology, social policy, governance and the many vested interests. The subject examines the issues that confront health-care professionals and their patients and peers, in particular in the context of continuing systemic and resource problems. This includes the handling of complaints against health-care practitioners, the regulation of the various health professions, the outcome of parliamentary inquiries and the history and findings of the various royal commissions. Other important areas such as medical negligence, consent to treatment, access to and ownership of medical records, privacy and confidentiality, euthanasia, wrongful birth, wrongful life and abortion, complementary and alternative medicine, organ donation, public health law issues such as tobacco, alcohol and obesity are examined and discussed.

76047 Advanced Contracts

6cp

Requisite(s): (60 credit points of completed study in C04148 Master of Law and Legal Practice AND 70211 Contracts AND (70516 Equity and Trusts OR 70517 Equity and Trusts))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject focuses on how contract law assists in the negotiation and enforcement of agreements, as well as the resolution of disputes arising out of agreements. It deals with selected areas of practical relevance and legal difficulty in the application of principles of contract law to various transactions (electronic transactions, uncertainty, the exercise of judicial discretion to fill gaps in agreements, implied terms, good faith, breach and termination of contracts); the intervention of equity (estoppel, penalties, restitution, unconscionability); legislative intervention (*Competition and Consumer Act 2010* (Cwlth) (including schedule 2, Australian Consumer Law), *Fair Trading Act 1987* (NSW), *Contracts Review Act 1980* (NSW)); and the relationship between tort law and contract law.

76048 Citizenship and Immigration Law

6cp

Requisite(s): 70617 Administrative Law

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject promotes an analytic examination of major legal and policy issues in Australia. The subject deals with the development of a distinct Australian citizenship and Australian immigration law. A primary focus is on the analysis of constitutional law issues, the legislative framework, policy responses and examination of international law principles. Recent developments in Australian nationality and citizenship law are evaluated within the context of acquisition of Australian citizenship, passport control and the statutory concept of entry to Australia. Australian migration law is about the control of those who are not Australian citizens. This subject examines the legal and policy framework controlling Australian immigration including the development of the universal visa system, the operation of the *Migration Act 1958* and Migration Regulations 1994, the distinction between lawful and unlawful non-citizens, visa acquisition and cancellation, the controversial character and deportation provisions and administrative and judicial review of adverse citizenship and immigration decisions. Specific themes include an analysis of the migration program, immigration detention, skilled and temporary visa entry, the national skill shortage, comparative guest worker schemes, humanitarian considerations, ministerial discretion, refugee visas, irregular migration, global trends, the status of migrant workers, people smuggling and human trafficking. The statutory scheme established to regulate migration agents is also reviewed. This subject aims to provide an understanding of:

- the historical development of citizenship and immigration law in Australia
- the effectiveness and fairness of Australian migration legislation and policy
- the legislative schemes: primarily the Migration Act and Migration Regulations, the *Australian Citizenship Act 1973*, relevant policy and case law
- the major permanent visa programs and temporary entry visas
- visa refusal, cancellation and review
- acquisition, grant, loss and deprivation of Australian citizenship
- the operation of the Migration Agents Registration Authority.

76050 Commercial Trade and Transport Law

6cp

Requisite(s): 70211 Contracts AND 70317 Real Property

There are also course requisites for this subject. See access conditions.

This subject examines the various sources of law that govern and impact upon the trade and transport of goods to and from Australia. The first part covers commercial maritime law. Topics examined include an overview of international trade processes; Australia's trade and transport industry; the international and Australian sources of law that regulate commercial shipping activities; maritime law concepts on the ownership, financing and arrest of ships; maritime transport documentation including bills of lading and charter parties; sources of liability; liability limitation; and marine insurance. The second part covers commercial aviation law. Topics examined include the international and Australian sources of law regulating the carriage of goods by air and aviation insurance. The subject concludes by examining recent international developments relating to the multimodal transport of goods.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76052 Dispute Resolution Advocacy

6cp

Requisite(s): 70516c Equity and Trusts OR 70517 Equity and Trusts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject deals with the jurisprudence of dispute resolution, and the theory, dynamics and essential characteristics of the major dispute resolution processes, so that effective strategies for resolving a wide range of disputes can be formulated. There is a two-day intensive weekend component in the course for negotiation and mediation exercises and simulations. The subject's emphasis is on the role of lawyers in dispute resolution processes; advising clients on, and preparing clients for, suitable dispute resolution processes; the institutionalising of dispute resolution processes; the nature of disputes and the theoretical, ethical and practical issues.

Typical availability

Autumn semester, City campus

76053 Industrial Law

6cp

Requisite(s): 70616 Australian Constitutional Law AND 70311 Torts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject examines collective aspects of Australian work law with a principal focus on the federal legislative collective work relations system. Industrial law is an important component of studies in the legal regulation of commerce. Students are introduced to the key aspects of law which determine the rights, entitlements and responsibilities governing the relationship between employers, on the one hand, and groups of workers and their trade unions on the other. Both practical and theoretical perspectives on industrial law are examined, and where appropriate, comparison of Australian industrial law with relevant international standards and law in overseas jurisdictions is made. Topics include: the history and constitutional basis of Australian industrial law; international standards and Australian industrial law; the safety net of minimum terms and conditions; agreement-making; collective bargaining; industrial action; freedom of association; transfer of business; and information, consultation and decision-making rights.

76055 Mining Law and Regulation

6cp

Requisite(s): 70417 Corporate Law AND 70317 Real Property

There are also course requisites for this subject. See access conditions.

This subject examines the various Australian laws and regulations that govern and impact upon investment in the mining industry. Topics examined include: the history, development and current status of mining regulation in Australia; key mining law concepts - such as the ownership of minerals, mining tenements, mining claims, and the regimes for the payment of royalties; the State and Territory licensing regimes governing mineral exploration and extraction; and the laws governing investment across the life cycle of mining operations (exploration, set up of mining operations, extraction of minerals, the sale and export of minerals, and the sale of mining assets). This includes the relevant provisions of the *Corporations Act 2001* (Cwlth) relating to corporate fundraising (Ch 6D) and mergers and acquisitions (Ch 6); the *Foreign Acquisitions and Takeovers Act 1975* (Cwlth); the ASX Listing Rules, and the JORC Code for the Reporting of Mineral Resources and Ore Reserves. The subject also examines the use of joint venture structures in the mining industry.

Other issues examined include native title, environmental law considerations, infrastructure access, the regimes for the onshore and offshore extraction of petroleum and gas, and the legal framework for dispute resolution. The subject concludes by briefly examining some of the current issues impacting on the Australian mining industry such as carbon taxing and trading, and the proposed Mining Resources Rent Tax.

The subject involves a comparative consideration of the laws across the Australian states and territories and is not limited to New South Wales.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76056 Intellectual Property Commercialisation Overview

6cp

Requisite(s): 78025 Intellectual Property: Law and Policy

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject aims to provide a comprehensive survey of much of the law and some of the business and economics of commercialising and licensing intellectual property (IP) rights. The scope is interdisciplinary, exploring the business and economic aspects of IP licensing and investment in IP development in the context of a detailed legal framework for IP licensing and investment. It includes consideration of relevant IP laws, competition law, compulsory and voluntary licensing, contract and consumer laws, and selected issues in international practice. Moreover, the subject involves practical skills training in drafting and negotiating licenses as well as practice-focused exercises that give students a better sense of the deal-making process in licensing transactions both in Australia and abroad.

The subject is in three parts. Part I explores the connection of IP and economic development, and provides a comprehensive survey of major IP laws, such as copyright, patent, confidential information, trademark, and domain name. Part II discusses possible business structures for commercialising IP and other special laws related to IP commercialisation, such as the enforcement of completion law, contract law and consumer law in the IP area. Part III involves practice or skills training in negotiating and drafting licenses and getting a 'sense of the deal' in licensing transactions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

76057 Judgement and the Rule of Law

6cp

A central tenet of legal systems, founded in common law traditions, is the rule of law. Concepts which are foundational to the rule of law include consistency, neutrality and objectivity. The rule of law is founded on two essential principles. The first being that law making powers are not exercised arbitrarily and the second that laws sustain a normative order and thereby stability, security and order in a community. To maintain normative order, laws must be more than predictable, well administered and understood by the community. They also need to be meaningful and generally accepted by the community. These principles raise fundamental questions about the relationship between the rule of law and values which underpin legal judgments.

Drawing on Kantian and Arendtian scholars, this subject critically explores the faculty of judgment and if there is something particular about legal judgments which differentiates them from judgments in other spheres such as politics, art or more routine decision-making. A second core theme explored is the philosophical foundations which underpin objectivity and how these relate to legal judgments. This theme is explored through the ideas of Martin Heidegger, Michel Foucault and critical legal theorists.

These ideas are applied to investigate relationships between precedent, tradition/history and change, judging against one's community and dissent, and how different communities of values and opinion, in particular minority communities, can be considered within legal judgments. The themes are explored through case analysis and case studies drawing on international, national and comparative laws.

76063 Media Law

6cp

Requisite(s): 70311 Torts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject looks at legal regulation of media content. Throughout the subject, students analyse laws that restrict what the media can publish or distribute. Topics include freedom of speech, defamation, contempt, hate speech and vilification, obscenity and pornography, sedition and the regulation of the internet. Through close examination of cases and literature, students are required to critically consider the nature of power, democracy and liberalism, as they relate to law and the mass media.

76066 Children and the Law

6cp

Requisite(s): ((70217 Criminal Law OR 70218 Criminal Law) AND 70311 Torts AND 70616 Australian Constitutional Law)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This elective subject is designed to enhance undergraduate studies in core law subjects as they relate to children; in particular constitutional law, criminal law, contracts, torts and the law of evidence. It also complements elective studies in family law and succession. The subject has been designed to combine both a theoretical and a vocational approach to the study of these issues and not only benefits students interested in these issues, but also those students considering a career in legal practice and/or the delivery of children's legal services.

The emphasis is on issues such as child development theory, children's rights, juvenile justice, care and protection, education rights and responsibilities, and the legal representation of children. Issues such as adoption, employment, property ownership and succession issues, civil liability, and medical procedures and treatment may be covered in assessment options. This is not a strictly 'black letter' subject; the present law in New South Wales is considered as well as the historical development of laws relating to children, proposed reforms, and comparative material from other jurisdictions. Material from other disciplines, such as criminology, sociology, and developing brain research is also incorporated, as appropriate.

76068 Indigenous Peoples and the Law

6cp

Requisite(s): ((70120 Legal Method and Research OR 70105 Legal Research)) OR (70110 Introduction to Law AND 76006c Public International Law)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

The relationship between Indigenous peoples and the law goes to the foundation of Australia's legal and political identity. This subject considers a range of historical and current issues between Indigenous peoples and the law. Competition for land ownership has defined and driven race relations in Australia. This subject examines the historical dispossession of Indigenous people with reference to how this has impacted on current legal relations and debates. Aboriginal and Torres Strait Islander peoples' dispossession by law and war, together with the Mabo decision, is evaluated. Land rights legislation, native title legislation and subsequent common law developments are also considered. Indigenous Australians are also the most incarcerated people in the world.

Considering this, their relations with the criminal justice system with particular reference to community police relations is discussed. Also, the policies of dispersal of communities and the forced removal of children from their families are considered, with particular reference to current impacts in areas such as welfare law, juvenile justice and family law. The issue of self determination is also considered in depth. Between 1972 and 1995 all federal governments had a policy of self determination with regard to Indigenous peoples. The meanings and implications of this policy are examined in the context of self determination policies in comparable countries such as Canada and the United States. Consideration is given to the formation and role of Indigenous corporations, Australian and Canadian models of self government, the Aboriginal and Torres Strait Islander Commission (ATSIC) and international standards and developing norms with respect to self determination. In light of the Australian Government's decision in 2004 to abolish ATSIC, the shift from policies of self determination to 'practical reconciliation' is also evaluated.

76069 Community Justice Studies

6cp

Requisite(s): 70617 Administrative Law

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

Community Justice Studies fosters vital legal skills. The subject is taught in two parts. First, students review contemporary literature about the practice of public law within a social justice and community context. Key areas include the ethics of practice, identification of areas of legal need in the community and access to justice. Second, students choose to engage in a public law or community activity from a broad range of options. For example, students are encouraged to engage in practice-based learning and may elect to further their experience through a relevant work placement. Students may also prepare community legal education for community groups. Students in this elective research, develop and deliver plain language presentations or short courses about legal issues for communities. Community legal education focuses on practical law, affecting members of communities in their daily lives, including consumer protection law, tenancy law, health law, domestic violence, dispute resolution, apprehended violence orders, succession, immigration law and other areas. Research is a critical skill and this subject allows students to develop policy, analytical and legal skills by completing a research publication such as a law reform submission or submission to a parliamentary committee. The subject introduces students to the dynamics of law reform and community engagement and fosters an understanding of the practice of public or community-based law by giving students an experience and direct knowledge of the law in practice.

Typical availability

Autumn semester, City campus

Summer session, City campus

76070 Biomedical Law and Bioethics

6cp

Requisite(s): 70120 Legal Method and Research OR 70105 Legal Research

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject analyses the effectiveness of law in regulating new medical developments. The subject examines the impact that emerging biomedical technologies have on society and explores legal solutions that deal with the challenges presented by such technologies. A diverse and wide range of biomedical issues are considered, such as genes, cloning, euthanasia, medical experimentation and research, reproductive technology and surrogacy.

76074 Australian Civil Liberties Law

6cp

Requisite(s): ((70217 Criminal Law OR 70218 Criminal Law) AND 70616 Australian Constitutional Law)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject aims to provide an advanced understanding of:

- case and statute law relevant to the protection of civil liberties in Australia
- the relationship and dynamic between the individual and the state in a legal and political framework
- the institutions (both Commonwealth and state) and organisations established to protect civil liberties and legal issues associated with their operation
- current legal issues in the protection of civil liberties in Australia.

76075 Contemporary Legal Studies 1

6cp

For subject description, contact UTS: Law.

76076 Contemporary Legal Studies 2

6cp

For subject description, contact UTS: Law.

76080 Finance Law

6cp

Requisite(s): 70417 Corporate Law AND 70517 Equity and Trusts AND 70327 Commercial Law

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject considers the legal framework within which commercial enterprises raise debt finance. Various forms of secured and unsecured finance are considered, including project and asset financing arrangements and securitisation. Methods for protecting unsecured

loans are also covered including negative pledge lending, guarantees and debt subordination agreements. The subject provides a detailed examination of the new *Personal Property Securities Act 2009* (Cwlth). Key aspects of tax and insolvency law as well as cross border issues are also discussed.

76081 Gender, Law and Sexuality

6cp

Requisite(s): ((70120 Legal Method and Research OR 70105 Legal Research)) OR (70110 Introduction to Law AND 76006c Public International Law)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject explores legal issues regarding sexuality and gender in a cross-doctrinal and interdisciplinary context. The subject introduces students to legal scholarship that takes a feminist perspective and considers the multitude of ways in which law constructs and regulates individuals and families by reference to their gender and sexuality. In doing so, the subject traverses and re-traverses various legal doctrinal areas, such as criminal law, international law, family law, anti-discrimination law and so on. However, the focus is not on the legal rules as such, rather the purpose of the subject is to provide a solid theoretical foundation that enables students to understand links between various legal doctrines and practices that have contributed to inequality.

76083 Ngiya - Talk the Law: Editorial Role

6cp

Ngiya means 'talk the law' in Kamillaroi. The idea for Ngiya came from a group of Indigenous lawyers who were frustrated that there was no unique voice for critique of the dominant legal system and its impact on Indigenous peoples. Ngiya allows for these voices to be heard.

Ngiya is published twice a year and its articles are subject to rigorous peer review. It provides a mix of general and thematic editions. There are generally eight articles per edition, which are approximately 5000 words each.

The subject is offered in Autumn and Spring semesters under joint supervision of:

- a staff member from Jumbunna Research Unit responsible for Ngiya, and
- a staff member from the Faculty of Law.

The student works closely with the Jumbunna staff responsible for Ngiya in relation to the editing and proofreading tasks of one article accepted for publication in Ngiya.

The student is supervised by a member of the Law Faculty to undertake research for an article written with the intention of publication in Ngiya. Staff at Jumbunna may also provide input into the nature and scope of the article.

The unit is limited to eight students per semester (although this may be lower, depending on the needs of the journal). They are selected on the basis of academic merit and interest in Indigenous issues. Preference may be given to Indigenous students and students in their final year of a law program.

Students selected for this unit must be prepared to serve for approximately six months (1 December - 30 May or 1 June - 30 November).

76084 Copyright and Designs

6cp

The subject provides an introduction and overview of the legal principles of copyright law, industrial design rights and confidential information law in Australia. It also provides an overview of the policy issues which inform the development of this law. It is designed as an introductory subject for students completing their undergraduate law degrees. Classes consider the historical development of these areas of law, as well as their justifications and objectives, the international framework setting standards, including WIPO, WTO and AUSFTA, and the main legal principles and doctrines which determine the scope and operation of the law in Australia.

76085 Trademarks and Patents

6cp

The subject provides an introduction and overview of the legal principles of patent law, trade mark law and passing off in Australia, as well as covering certain related areas of law such as consumer law, geographical indications of origin and plant varieties. It provides an overview of the policy issues which inform the development of this law. It is designed as an introductory subject for students completing their undergraduate law degrees. Classes consider the historical development of these areas of law, as well as their justifications and objectives, the international framework setting standards, including WIPO, WTO and AUSFTA, and the main legal principles and doctrines which determine the scope and operation of the law in Australia.

76112 Conflict of Laws

6cp

Requisite(s): 70311 Torts AND 70616 Australian Constitutional Law

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject examines the interaction of two or more legal systems, specifically focusing on the international jurisdiction of the Australian courts, the recognition and enforcement of foreign judgments and decrees, and the problem of choice of law as it arises with respect to areas such as marriage, matrimonial causes, contract, torts, inter vivos property transactions and succession.

The subject also deals with choice-of-law issues as they arise between the Australian states.

76115 Insolvency

6cp

Requisite(s): 70417 Corporate Law OR 70120 Legal Method and Research

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject provides an introduction into the protection and regulation of insolvent individuals and corporations. The subject aims to discuss insolvency within the social context and impact of insolvency law. Students examine the legal procedure involved in insolvency law (such as bankruptcy petitions, lodging proofs of debt and distribution of insolvent estates) as well as the impact of insolvency upon stakeholders such as employees, unsecured creditors, and individual and corporate debtors.

Both individual and corporate insolvency are examined. All aspects of personal and corporate insolvency will be discussed but the subject places particular emphasis on discussing powers of insolvency administrators, voluntary administration, liquidation and the rights of creditors.

76212 Revenue Law

6cp

Requisite(s): ((70417 Corporate Law AND 70617 Administrative Law) OR 70327 Commercial Law)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

In this subject students examine the legal principles that relate to revenue law in Australia. Topics covered include the structure and sources of tax law in Australia; tax policy and tax reform; income - concepts of income, income from labour, property and business, statutory extensions to the income base; deductions - general and specific deductions, substantiation; capital gains tax; fringe benefits tax; tax accounting; tax administration; tax avoidance and ethics.

76516 Family Law

6cp

Requisite(s): 70616 Australian Constitutional Law AND 70317c Real Property

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This elective subject introduces undergraduate students to the principles that govern the laws, rights and obligations of parties in parenting and/or interpersonal relationship disputes. The legal recognition and regulation of different types of domestic relationships and families, including married, de facto (same-sex and opposite-sex) and other domestic relationships is considered. The subject covers four main areas:

- the historical and current development of family law, including constitutional and jurisdictional issues; and principal relief (divorce and nullity)
- children and parental responsibility (parenting disputes)
- spousal maintenance and child support (family support)
- claims and agreements in relation to property (property settlement).

The subject combines both a theoretical and a vocational approach to the study of these issues, which not only benefits students interested in these issues, but also those students considering a career in legal practice and/or the delivery of family law-related services. Emphasis is also given to the practical and social policy issues in each of these areas, including the impact of family violence and the growing awareness of children's rights.

76517 Succession

6cp

Requisite(s): 70516 Equity and Trusts OR 70517 Equity and Trusts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate

This subject takes both a theoretical and practical approach to the study of the law of wills. The formal requirements for a valid will are considered, as well as the circumstances where those requirements may be dispensed with by the Court, such as death bed or suicide notes which purport to pass property upon death.

The legislative framework for the law of succession in NSW is considered in detail, including the consequences of the failure to have made a will or where a Court determines that a will was invalid, for example where the will-maker (testator) was suffering from a dementing-type illness at the time the will was made.

There is particular focus on the tension between the concept of freedom of testamentary disposition and the provisions of Chapter 3 of the *Succession Act*, which permit certain classes of eligible person to make a claim to part of an estate even if cut out of a will by a displeased testator. This focus on the themes of testamentary freedom, forced succession and familiar responsibility invites students to consider what is meant by 'family', including blended families and the status of adopted, IVF and surrogate children in the scheme of succession to property in NSW.

76521 Intellectual Property and Traditional Knowledge

6cp

Requisite(s): 70516 Equity and Trusts OR 70517 Equity and Trusts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject considers the nature of traditional knowledge, how intellectual property in this area is protected under the Australian legal framework, and the development of strategies for its protection. The subject includes an overview of the international treaty framework, relevant Australian legislation and concerns for Australian Indigenous peoples such as appropriation of Indigenous arts and culture, language, spirituality, biodiversity, biotechnology, medicinal knowledge, film and music.

76703 Indigenous Peoples, the Environment and Property

6cp

Requisite(s): (70317 Real Property OR (70110 Introduction to Law AND 76006c Public International Law))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject examines the relationship of Aboriginal and Torres Strait Islander customary rights and the development of Indigenous land rights. The subject examines developments in land rights legislation, the recognition of native title and legislative and common law developments in land rights and native title. Topics include the evidence of Aboriginal and Torres Strait Islander customs and traditional law; statutory recognition of aspects of customary law including traditional interests in land or items of cultural heritage, traditional hunting, fishing and gathering rights; issues as to the admissibility of evidence pertinent to the veracity of Aboriginal and Torres Strait Islander customs and traditional law; legal proceedings relating to Aboriginal land claims; assertion of common law title to land; legal proceedings relating to Aboriginal land claims, the effect of the decision of the *High Court in Mabo v Queensland (No 2) 1992*, the *Native Title Act 1993* (Cwlth), amendments to the *Native Title Act 1993* (Cwlth) and recent developments.

76801 Exchange Subject 1

6cp

Requisite(s): 70516 Equity and Trusts OR 70517 Equity and Trusts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law options at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law's exchange director. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available at:

www.uts.edu.au/international/exchange

Typical availability

Autumn semester, City campus

Note(s)

Enrolment in additional international exchange subjects requires enrolment in additional exchange subject numbers: 76802, 76803, 76804.

76802 Exchange Subject 2

6cp

Requisite(s): 70516 Equity and Trusts OR 70517 Equity and Trusts

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law elective subjects at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law's exchange director. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available from:

www.uts.edu.au/international/exchange

Typical availability

Autumn semester, City campus

Spring semester, City campus

Note(s)

Enrolment in additional international exchange subjects require enrolment in additional exchange subject numbers: 76801, 76803, 76804.

76803 Exchange Subject 3

6cp
Requisite(s): 70516 Equity and Trusts OR 70517 Equity and Trusts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law elective subjects at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law's exchange director. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available from:

www.uts.edu.au/international/exchange

Typical availability

Autumn semester, City campus

Note(s)

Enrolment in additional international exchange subjects require enrolment in additional exchange subject numbers: 76801, 76802, 76804.

76804 Exchange Subject 4

6cp
Requisite(s): 70516 Equity and Trusts OR 70517 Equity and Trusts
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law elective subjects at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law's exchange director. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available from:

www.uts.edu.au/international/exchange

Typical availability

Autumn semester, City campus

Spring semester, City campus

Note(s)

Enrolment in additional international exchange subjects requires enrolment in additional exchange subject numbers: 76801, 76802, 76803.

76900 Moot

6cp; availability: by invitation only
Undergraduate and Postgraduate

UTS: Law offers students the opportunity to participate in a variety of mooting competitions, both within Australia and overseas. Students enrol in this subject in cases where participation in a mooting team is counted as credit towards their degree. UTS: Law calls for expressions of interest from students to participate in a variety of moot competitions.

76901 Vis Arbitral Moot

6cp; availability: by invitation only
Undergraduate and Postgraduate

The Willem C Vis International Commercial Arbitration Moot is an international moot that takes place every April in Vienna. Named in honour of Professor Willem Vis, a world-recognised expert in international commercial transactions and dispute settlement procedures, this moot is an acknowledgment of the business community's marked preference for resolving international commercial disputes by arbitration. This method of dispute resolution is offered as the clinical tool to train law students through two crucial phases: the writing of memorandums for claimant and respondent, and the hearing of oral argument based upon the memorandums. The forensic and written exercises require determining questions of contract - flowing from a transaction relating to the sale or purchase of goods under the United Nations Convention on Contracts for the International Sale of Goods and other uniform international commercial law - in the context of an arbitration of a dispute under specific arbitration rules. There are currently 79 law schools from 30 countries that send teams to Vienna. It is an excellent opportunity for students to learn an extremely valuable commercial skill, and a rare chance to meet and to form valuable professional friendships with a range of law students from around the world. Further information is available at:

www.cisg.law.pace.edu/vis.html

76902 Law and Literature

6cp
Requisite(s): 70120 Legal Method and Research AND 70115 Perspectives on Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject approaches important questions from jurisprudence, philosophy and legal theory through a consideration of law's relationship to literature. Lectures relate key cases of the last hundred years to key works of literature, indicating ways in which we might think of the relationship between law and literature. Students engage in a rigorous process of reading and discussion that includes some of the most fascinating and thought provoking literary works of the last century, including works by Franz Kafka, Toni Morrison, Truman Capote and Harper Lee. Using these texts students will think about questions of justice related to central problems and traumas of recent times: the Holocaust, the death penalty, slavery and the Stolen Generations.

Students develop important skills in critical thinking and writing as part of these investigations, and their own deep responses to the following questions. What is justice, and how do law and literature provide different answers to justice? What is the law's relationship to violence? How does the law regulate the individual's relationship to their community? How are moral questions addressed by the law? In what ways can it be said that literature judges the law, and what might we do with these judgments?

76903 International Commercial Transactions

6cp
Requisite(s): 70327 Commercial Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject provides an overview of international business transactions and the framework for international regulation of commercial transactions. Furthermore, the subject provides an overview of international trade organisations (e.g. WTO, EU) and the uniform law applicable to international sale of goods (CISG).

Other key themes in the subject include aspects of the international regulation of trade in goods: WTO; an overview of licensing transactions and licensing into the EU; an overview of foreign direct investment and issues of investing in Europe.

The subject also provides an introduction to dispute resolution issues; and an overview of trans-boundary dispute resolution.

76904 Price International Media Law Moot

6cp; availability: by invitation only

The Monroe E. Price International Media Law Moot aims to expand knowledge in international media law and policy.

Students will develop expertise in arguing a case before an international bench of judges from different legal systems and backgrounds.

Participants in the international rounds operate in a world where a Universal Court of Human Rights has been established to ensure the citizens of the United Nations are enjoying the rights enshrined in the Universal Declaration of Human Rights. In this world, the Universal Court of Human Rights substitutes all jurisdictions of all other regional courts and becomes the final adjudicator when all national remedies have been exhausted.

Students participating in the moot gain an understanding of issues of international human rights, US constitutional law and the law of various nations as they impact on freedom of speech, privacy and regulation of media content.

The international rounds are held at Oxford University and involve teams from law schools in Europe, Asia, the Middle East and the US.

UTS: Law calls for expressions of interest from students in July each year.

Typical availability

Autumn semester, City campus

Spring semester, City campus

77688 Doctoral Dissertation (SJD)

0cp

Postgraduate

This subject develops theoretical understandings and practical applications of research across the discipline of law and related fields. Emphasis is placed on currency in legal research and the application of appropriate research methodologies. Further information is available from:

Faculty research officer

telephone +61 2 9514 3753

fax +61 2 9514 3400

email law.research@uts.edu.au

www.law.uts.edu.au

77696 PhD Thesis: Law

0cp

This subject develops theoretical understandings and practical applications of research across the discipline of law and related fields. It explores the traditional boundaries of legal research within the development and application of empirical methodologies. Emphasis is placed upon currency in legal research, the application of quantitative and qualitative methodologies to legal research and refining research skills in interdisciplinary areas with application to legal research. Further information is available from:

Research officer

telephone +61 2 9514 3753

fax +61 2 9514 3400

email law.research@uts.edu.au

www.law.uts.edu.au

77697 Higher Degree Research Seminar

8cp

This subject is designed to prepare higher degree research students in law for undertaking and writing a research thesis. Through a series of seminars and workshops, students are provided with a thorough grounding in the components of an effective research strategy and positioned to produce a written research proposal directed towards preparation for their Candidature Assessment at the end of stage one.

77698 Thesis (Law)

0cp

This subject develops theoretical understandings and practical applications of research across the discipline of law and related fields. Emphasis is placed on currency in legal research and the application of appropriate research methodologies. Further information is available from:

Faculty research officer

telephone +61 2 9514 3753

fax +61 2 9514 3400

email law.research@uts.edu.au

www.law.uts.edu.au

77701 International Economic Law (PG)

6cp

Requisite(s): ((70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77885c Legal Process and Legal Research OR 60 credit points of completed study in C04148 Master of Law and Legal Practice)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

Increasing globalisation of commercial and social engagements is creating a greater need for lawyers to understand the nature and extent of global legal regulation and, in the commercial context, the operation of various domestic and transnational laws in relation to international trade. This subject is designed to help students develop an understanding of the law governing the international economy and relations between participants in that economy. The concept of international economic law is examined. Topics include specific resource issues such as the common heritage; international legal regulation of investment, finance and trade; relevant institutions such as the International Monetary Fund, the World Trade Organization; and the relationship between national and international economic law involving such concepts as extraterritoriality and sovereign immunity.

77704 European Union Law

6cp

Requisite(s): (70616c Australian Constitutional Law OR 77885c Legal Process and Legal Research OR (70110 Introduction to Law AND 76006c Public International Law))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject deals with the laws and institutions of this supra-rational organisation. Topics discussed include the activities of the European institutions; the political and economic origins of the EU and its institutional structures (with emphasis on the European Court of Justice); the interrelationship between community law and the law of the member states; and the free movement of goods, workers, capital and services.

The subject concentrates on the emerging transnational protection of social and economic rights and the jurisprudence of the European Court of Justice.

77715 Banking Law

6cp

Requisite(s): ((70327c Commercial Law OR 70318c Personal Property)) OR 77885c Legal Process and Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate and Postgraduate

This subject concentrates on relations between banking institutions and their customers. Additional topics examined are drawn from the following: the regulatory framework within which banking institutions operate and the activities of banking institutions including cheques, bills of exchange, foreign currency transactions and secured and unsecured lending.

77716 International Trade Law

6cp
Requisite(s): 70616c Australian Constitutional Law OR 77885c Legal Process and Legal Research
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The rules of the World Trade Organization (WTO) underpin the conduct of international trade in about 150 countries and have direct relevance for governments, businesses and individuals. This subject covers a brief introduction of the WTO followed by a more detailed analysis of private international trade transactions.

The subject primarily focuses on the Australian application of trade rules and domestic and international laws governing international transactions.

On completion of this subject, students have developed an understanding of the basic legal principles underpinning the multilateral trading system and an understanding of the application of the law to international transactions.

Typical availability

Autumn semester, City campus

Spring semester, City campus

77724 International Banking and Finance Law

6cp
Requisite(s): ((70120 Legal Method and Research AND 70115 Perspectives on Law) OR 77885c Legal Process and Legal Research OR 60 credit points in C04148 Master of Law and Legal Practice)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is important for students wishing to understand the transnational nature of corporate finance and regulation, and the central place of banks and other financial intermediaries in the globalisation of commerce. The subject is an advanced study of types of cross-border finance, regulation of banking between countries and regions, foreign exchange and derivative markets, and international financial and banking policy. Case studies cover the US, European Union, East Asia and emerging markets, with a focus on whether globalisation of banking and finance has beneficial or detrimental social consequences and whether convergence to a single international financial system is desirable or even possible. Topics covered in the subject include:

- international banking/finance systems
- US securities/banking markets: international aspects
- the Bank for International Settlements, Basel Accord and capital adequacy
- East Asia: Japanese and Chinese banking/capital markets
- risk control: foreign exchange, hedging, derivatives, operational risk
- emerging markets and the debt crisis
- privatisation and the IMF/World Bank
- Europe: Monetary Union and securities/banking markets
- convergence and the globalisation of banking and finance.

777251 Research Project 1 (PG)

6cp; availability: must be completed by Master of Legal Studies, Master of International Law, Master of Dispute Resolution, Master of Law and Legal Practice; candidates should have completed at least 24 credit points (60 credit points for Master of Law and Legal Practice) and maintained an average grade of 75 per cent or greater, and Master of Laws (only for LLM students enrolled in 2007 and prior)
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

Candidates must research and write a paper of approximately 12,000-15,000 words at a standard suitable for publication on a topic approved by UTS: Law. In most cases, the research project extends and develops research done in one or more of the elective subjects already undertaken, but in appropriate circumstances a candidate may undertake a new topic. Students are not permitted to enrol in the research project until written approval has been obtained from the subject coordinator.

The research project is completed over two consecutive semesters. Candidates enrol in this subject in the first semester of enrolment and 777252 Research Project 2 in the following semester. A final grade is not recorded against this subject until completion of 777252 Research Project 2.

Early submission of proposal and form is encouraged. Forms are accepted and processed from Week 12 of the preceding semester. The last date to submit forms is the Friday, two weeks before the start of semester, to allow for processing.

777252 Research Project 2

6cp; availability: must be completed by Master of Legal Studies, Master of International Law, Master of Dispute Resolution, Master of Law and Legal Practice; candidates should have completed at least 24 credit points (60 credit points for Master of Law and Legal Practice) and maintained an average grade of 75 per cent or greater, and Master of Laws (only for LLM students enrolled in 2007 and prior)
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Recommended studies: 777251 Research Project 1 (PG)

Candidates must research and write a paper of approximately 12,000-15,000 words at a standard suitable for publication on a topic approved by UTS: Law. In most cases, the research project extends and develops research done in one or more of the elective subjects already undertaken, but in appropriate circumstances a candidate may undertake a new topic.

The research project is completed over two consecutive semesters. Candidates enrol in 777251 Research Project 1 (PG) in the first semester of enrolment and this subject in the following semester. A final grade is not recorded against 777251 Research Project 1 (PG) until completion of this subject.

Only students enrolled in 777251 Research Project 1 (PG) are eligible to enrol into this subject by lodging an eRequest

77734 Law and Medicine

6cp
Requisite(s): 70311 Torts AND 70617c Administrative Law
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject deals with the aspects of law relevant to health care. There are many issues that can arise as health law is an ever evolving and diverse area. It is subject to both local and overseas influences and regulation is challenging. When studying health law, many areas must be considered, such as: human rights, ethical practice, the advancement of medical technology, social policy, governance and the many vested interests. The subject examines the issues that confront health-care professionals and their patients and peers, in particular in the context of continuing systemic and resource problems. This includes the handling of complaints against health-care practitioners, the regulation of the various health professions, the outcome of parliamentary inquiries and the history and findings of the various royal commissions. Other important areas such as medical negligence, consent to treatment, access to and ownership of medical records, privacy and confidentiality, euthanasia, wrongful birth, wrongful life and abortion, complementary and alternative medicine, organ donation, public health law issues such as tobacco, alcohol and obesity are examined and discussed.

77740 Research Paper

6cp; availability: Master of Laws, Master of Law and Legal Practice, Master of International Law, Master of Industrial Property, Master of Dispute Resolution, Master of Legal Studies, Graduate Diploma in Legal Studies, Graduate Certificate in International Law, Graduate Certificate in Dispute Resolution; candidates should have completed at least 24 credit points (60 credit points for Master of Law and Legal Practice) and maintained an average grade of at least 65 per cent
Requisite(s): (((78101c Postgraduate Legal Research OR 78100c Postgraduate Legal Research)) OR 77896 Legal Process and Intellectual Property Overview OR 77905 Preparing for Intellectual Property Practice OR 70717 Evidence and Criminal Procedure)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject comprises the research and writing of a supervised thesis on an approved topic in law. The thesis length must be within the range 8000 to 12,000 words. Undertaking this subject provides an opportunity for undergraduate law students to further develop and refine their legal research and writing skills, as well as explore and analyse a topic of law of their own choosing.

Early submission of the proposal and form is encouraged. Forms are accepted and processed from Week 12 of the preceding semester. The last date to submit forms is the Friday, two weeks before the start of semester, to allow for processing.

More information regarding the honours degree is available at Juris Doctor with honours (see page 101).

Note(s)

This research paper may be used toward partial fulfilment of the award of honours for Juris Doctor (C04236) (see page 405) students only.

77745 Negotiation

6cp
Requisite(s): 60 credit points in C04148 Master of Law and Legal Practice AND 79771c Dispute Resolution
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is taught in a four-day intensive block which is designed to provide an understanding of the theory and skills of negotiation. It covers the diverse approaches to negotiation, with a focus on principled negotiation as taught by the Harvard Law Faculty's Negotiation Project. This subject brings together the current theories and practice in negotiation skills and analysis with an emphasis on identifying effective negotiation strategies.

This subject covers topic areas that include:

- distributive and integrative bargaining
- principled negotiation theory and practice
- pre-negotiation analysis, preparation and participation
- the challenges of complex negotiations including agency and team issues, negotiating behaviour and communication issues
- coalition dynamics
- risk assessment
- trust and good faith issues.

The assessment is centred on the opportunity to workshop and evaluate a chosen scenario developed in conjunction with a supporting critique of selected negotiation theories.

77746 Advanced Mediation

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice AND 79771 Dispute Resolution (PG) AND 78029 Mediation Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject builds on the introductory theory and practice presented in the prerequisite subjects and draws on the expertise of experienced mediators. It concentrates on the micro-skills of mediation at an advanced level. And is designed to provide an in-depth understanding of skills, strategies and techniques used by experienced mediators and to explore a range of major mediation models. Topics included for study are:

- micro-skills of mediation at an advanced level
- the skills and techniques used by experienced mediators
- a range of mediation models including co-mediation and the 'Understanding' model developed by Harvard Law School and the New York Centre for Mediation in Law
- the practice of narrative mediation and the concepts of externalising, deconstructing and careful listening
- the practice of forgiveness as a strategy in a mediation context.

The subject is taught in a three-day intensive mode with opportunities in selected exercises to develop reflective practice and understand the application of theory to mediation practice. Assessment includes a paper based on critiquing the theories and concepts explored in the course, a case study and a reflective journal.

77751 International Commercial Arbitration

6cp
Requisite(s): 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice AND 79771 Dispute Resolution
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject covers commercial arbitration in the international arena in-depth and includes the following topics:

- ad hoc arbitrations
- relevant legislation and international conventions
- international institutional arbitration associations
- scope, formal requirements and validity of agreements to arbitrate
- drafting in relation to ICSID arbitrations
- curial intervention
- compulsory reference of an international commercial dispute to arbitration in Australia
- award of damages in international arbitration
- sovereign immunity
- international standard construction contracts
- power of the international arbitral tribunal to deal with defaults, delaying tactics or refusal of a member to participate in the making of an award
- provisions for correcting an international commercial arbitration award
- recourse against award under the UNCITRAL model law
- recognition and enforcement of foreign arbitral award under the UNCITRAL model law and the New York Convention
- liability of the arbitrator for negligence and/or wilful neglect of duty.

77752 Commercial Arbitration (Domestic)

6cp
Requisite(s): 60 credit points in C04148 Master of Law and Legal Practice AND 79771 Dispute Resolution
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Topics covered in this subject include the arbitration agreement and its scope; the arbitrator's jurisdiction; reference by the court to a referee or arbitrator; the inherent jurisdiction of the court to interfere in arbitral proceedings; agreement binding on the Crown; the appointment of arbitrators and other related matters; the umpire entering upon the reference; the distinction between an arbitration certificate, valuation, assessment, an exception clause, reference to arbitrator, or quasi-arbitrator; powers and duties of the Arbitration Tribunal; subpoenas; evidence; legal representation; amiable compositeur or ex aequo et bono; interim awards; specific performance; extension of ambit of arbitration proceedings; duties of parties; right of appeal; exclusion agreements; misconduct; remission of award; removal of umpire or arbitrator; sundry provisions; Scott v Avery clause; and foreign awards.

77760 Family Dispute Resolution

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice AND 79771c Dispute Resolution (PG)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides instruction in the theoretical and practical aspects of the use of non-adversarial techniques for resolving family disputes. Different approaches and skills are presented together with a critical evaluation of the use of such techniques. Less adversarial approaches to trials relating to disputes over children and the impact of new legislation is considered in the context of the new family law framework. The subject covers such topics as:

- the nature of family disputes
- the legal system and the new family law framework for the resolution of family disputes
- the less adversarial approach to trials in the Family Court of Australia
- dispute resolution processes in relation to financial aspects of family disputes
- children's issues in family disputes
- the effects of domestic violence and the power dynamic in family disputes
- ethical issues in conducting family dispute resolution processes
- developments in dispute resolution practice including collaborative law practice and compulsory community-based services.

Students are introduced to the legal, psychological and social aspects of family disputes through formal information giving and also through experiential teaching techniques. They are expected to research in the area to further their understanding of this complex and challenging area of law and social policy. Students may choose their area of research for a written paper and seminar presentation.

Note(s)

This subject was formerly called Interpersonal Conflict Resolution.

77761 Dispute Resolution in Commerce

6cp
Requisite(s): 79771c Dispute Resolution (PG) AND 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an overview of dispute management and complaints handling systems, together with further consideration of the developing body of dispute resolution and negotiation theory and practice in the commercial context.

There is an increasing demand for the development of dispute resolution systems that avoid an adversarial approach in commercial environments where delay, high legal costs and limited possible outcomes are being perceived as counterproductive in the highly competitive commercial environment. Increasingly there have been legislative responses for providing both processes and process providers for resolving and settling commercial disputes. These developments are also studied in the context of changing corporate structures and cultures and the demands for effective, accessible, cost efficient and ethical methods for dealing with commercial disputes.

77767 Taxation Administration

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Access to timely and relevant tax-related information is crucial to the Australian Taxation Office's attempts to correctly assess taxpayers and to taxpayers' attempts to resist assessments. In this subject students critically analyse the rationale for, and structure of, the current tax administration system, and then proceed to a detailed analysis of the key strategic elements of that system including tax audits, self-assessment, objections and appeals, and collection and recovery of unpaid tax. Alternatives for reform are also examined.

77783 International Commercial Dispute Resolution

6cp
Requisite(s): 70616 Australian Constitutional Law AND 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

This subject covers negotiation in international commercial disputes, cross-cultural commercial negotiations, negotiating with Japan and a Middle-Eastern country, the role of dispute resolution centres, international commercial mediation, arbitration as contract, drafting and analysing arbitration agreements, transnational aspects of arbitration, international arbitration law, UNCITRAL initiatives on international commercial arbitration, statutory regulation of international commercial arbitration in Australia, enforcement of arbitral wards, international commercial litigation, enforcement of international commercial judgments and institutions for international commercial dispute resolution.

77792 Crisis Negotiation

6cp
Requisite(s): 79771c Dispute Resolution (PG) AND 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject provides a theoretical overview of, and instruction in, the process of crisis negotiation. The aim of the subject is to develop the students' skills in negotiating crisis situations and in dealing with hard-bargainers and 'dirty tricks'. It also addresses the use of negotiation in critical incidents such as crisis management in the corporate sector and the use of the process in counter-terrorism.

The topics included in this subject are:

- overview and understanding of crisis negotiation skills and techniques
- psychiatric and psychological considerations
- risk and crisis management as part of the preparation
- key factors in crisis negotiation
- face-to-face crisis negotiations
- the stages of crisis negotiations, the preparation and the planning
- team approach and use of communication techniques
- dealing with an aggressive person
- choosing the right negotiator
- briefing and debriefing a critical incident
- third person in a critical incident
- strategic planning.

77794 International Environmental Law

6cp
Requisite(s): ((70110 Introduction to Law AND 76006c Public International Law) OR (60 Credit Points in spk(s): C04148 Master of Law and Legal Practice AND 70616 Australian Constitutional Law) OR 77885 Legal Process and Legal Research)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject introduces students to international law relating to conservation and management of the environment. Particular areas that may be considered include the precautionary principle, sustainable development, marine pollution, climate change, conservation of biological diversity, marine pollution, trade in hazardous substances, climate change, conservation and biological diversity, protection of world heritage. The impact of international environmental law on domestic legal systems is also considered, including questions of domestic incorporation of principles of international and civil law.

77796 Taxation of Business Entities

6cp
Requisite(s): 60 credit points in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides a theoretical and practical overview of the taxation of partnerships and trusts and the taxation of partners and beneficiaries in respect of their interests in those entities. The topics include the calculation of net income or losses of partnerships and trusts and the allocation of net income/losses to partners and net income to beneficiaries. The impact of variations in partnership and trust interests and the application of the capital gains tax provisions to dealings with these entities are also considered.

77800 International Commercial Dispute Resolution

8cp
Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.

This subject covers negotiation in international commercial disputes, cross-cultural commercial negotiations, negotiating with Japan and a Middle-Eastern country, the role of dispute resolution centres, international commercial mediation, arbitration as contract, drafting and analysing arbitration agreements, transnational aspects of arbitration, international arbitration law, UNCITRAL initiatives on international commercial arbitration, statutory regulation of international commercial arbitration in Australia, enforcement of arbitral wards, international commercial litigation, enforcement of international commercial judgments and institutions for international commercial dispute resolution.

77850 Psychology and Dispute Resolution

6cp
Requisite(s): 79771c Dispute Resolution (PG) AND 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is an introduction to key concepts in psychology that have relevance for dispute resolution practise. A main focus of this subject is the application of psychological concepts to disputes and conflict situations in order to understand what is going on and to start to learn to harness new skills and paradigms to work more effectively with ongoing conflict and within the dispute resolution process.

It is presented in an intensive program of three full-day sessions on campus plus a day of seminar presentations. These four day sessions are supplemented by readings and research in an area of the subject that interests the student.

During the full-day sessions each psychological concept is explored using the following format:

- theory: past and current
- research: evidence for and against the theory
- application of the concept to dispute resolution
- practice: exercises, homework, role-play
- discussion: as a student/practitioner how can I apply this?; what is its value?; what have I learnt?
- future directions: how is the concept evolving?; what are the implications for the practice of dispute resolution?
- as a student/practitioner: where do I go from here?; what action can I take?

77867 Workplace Dispute Resolution

6cp
Requisite(s): 79771c Dispute Resolution AND 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject explores the applications of dispute resolution theory and practical skills in the workplace. It explores the causes of conflict within the workplace setting and some legislative requirements for dealing with workplace disputes. The relevance of a range of dispute resolution processes and the possible challenges to their implementation are explored. Impediments to changing the dispute resolution culture in the workplace are identified and dispute resolution models and the design of systems for implementation in both the private and public sectors are studied. The subject covers the following topics:

- analysis of workplace conflict and its sources
- the legal, political and historical contexts within which workplace conflict has been managed and how it is changing
- the existing dispute resolution cultures in Australian workplaces
- the types of disputes within the workplace, including grievances and management disputes, and the dispute resolution processes that are applicable
- the theory of the role of dispute resolution processes in effecting behavioural change in the workplace
- the theory shaping mediation techniques for resolving workplace disputes
- designing, implementing and evaluating a dispute resolution system for a workplace
- the relationship between organisational change and dispute resolution processes
- the difference in managing disputes in the public and private sectors
- the negotiation dynamic of enterprise and employment contract bargaining.

77885 Legal Process and Legal Research

6cp; online and on-campus components
Postgraduate

In this subject students are introduced to the common law and its place in the Australian legal environment. The skills of legal research, case analysis, statutory interpretation, legal problem solving and critical analysis – which are essential to the study and practice of the law – are also developed in the course of students' learning.

Students begin their inquiry by considering primary and secondary sources of the common law, the development of common law, courts and lawyers, and the spread and reception of common law. They then examine contract law in the common law, public law and the common law, and business transactions in the common law.

77889 Trade Marks Law

6cp; offered either by distance, requiring no attendance, or on-campus
Requisite(s): (77896c Legal Process and Intellectual Property Overview OR (70115 Perspectives on Law AND 70120 Legal Method and Research) OR 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice OR 77905c Preparing for Intellectual Property Practice)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an understanding of the principles of trade marks and the trade mark system in Australia. Topics covered include passing off and unfair competition, registrability issues, comparison of trade marks and assessment of deceptive similarity, ownership and authorship of trade marks, requirements of use in relation to trade marks, grounds of opposition, and infringement and post-registration maintenance of trade marks.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney or Trade Mark Attorney in Australia.

77890 Trade Marks Practice

6cp; offered by distance requiring no on-campus attendance
Requisite(s): 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice AND 77889c Trade Marks Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject concentrates on the ability to advise and to handle the interests of a client in prosecution and maintenance of trademark applications, including advice on the desirability of seeking trademark protection and provision of alternative protection in Australia and other countries. Topics covered include classification systems, searching, types of application and registration, Trade Marks Office practice and procedure, removal for non-use, rectification, registration of security interests, border controls, exploitation, misuse and criminal sanctions, and international issues.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney or Trade Mark Attorney in Australia.

77891 Patent Systems

6cp; offered by distance requiring no on-campus attendance
Requisite(s): 77898 Patent Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject concentrates on the ability to handle the interests of a client in prosecution and maintenance of a patent application, including advice on the desirability of seeking patent protection and provision of alternative protection in Australia and other countries. Topics covered include: types of application; Patent Office practice; amendment; opposition; re-examination; maintenance; extension of term; extension of time; revocation; treaties and conventions; searching; assignment; licensing; compulsory licenses; Crown use; restrictions on exploitation; circuit layout legislation and practice; plant protection legislation and practice; patentability in other countries (particularly with reference to New Zealand, the United States, the European Union, the People's Republic of China and Japan); and innovation patents.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney in Australia.

77892 Professional Conduct (Intellectual Property)

6cp; offered wholly online, requiring no on-campus attendance
Requisite(s): 77896c Legal Process and Intellectual Property Overview
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an understanding of the rights, privileges and responsibilities of a patent or trade marks attorney. Topics covered include: conflict of interest; privilege; confidentiality; professional liability and negligence; code of conduct; maintenance of rights and monitoring systems; and fiduciary obligations to clients.

Typical availability

Spring semester, City campus

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney or Trade Mark Attorney in Australia.

77893 Designs Law and Practice

6cp; offered wholly online requiring no on-campus attendance
Requisite(s): (77885c Legal Process and Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77896 Legal Process and Intellectual Property Overview OR 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice OR 77905c Preparing for Intellectual Property Practice)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject concentrates on the ability to advise and to handle the interests of a client in prosecution and maintenance of a design application, including advice on the desirability of seeking design protection and provision of alternative protection in Australia and overseas. Topics covered include registrability, newness, registration procedure, maintenance, office practice, third-party objection, infringement, expunction, copyright, and international aspects of design practice.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney in Australia.

77894 Drafting of Patent Specifications

6cp; offered wholly online requiring no on-campus attendance
Requisite(s): 77898 Patent Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

On completion of this subject, candidates should have acquired ability to obtain relevant information about an invention and from that, given the prior art, draft a patent specification to accompany a provisional application, a standard complete application, an international application or an innovation patent application. In particular, candidates should be able to draft claims that define an invention that is novel over the given prior art and, arguably, includes an inventive step. The support for the claims are also considered in light of the given description of the invention. Various common practice-based aspects of drafting of patent specifications are also considered.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney in Australia.

77895 Interpretation and Validity of Patent Specifications

6cp; offered either wholly online requiring no on-campus attendance, or on-campus
Requisite(s): 77898 Patent Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

On completion of this subject, students have acquired an ability to express an understanding of a patent specification and what it covers for the purpose of advising on infringement validity over given prior art, s 40 of the *Patents Act 1990* and other grounds of revocation and amendment.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney in Australia.

77896 Legal Process and Intellectual Property Overview

6cp; offered wholly online and requires no on-campus attendance
Postgraduate

This introductory subject provides non-law graduates with an understanding of the Australian legal system and how intellectual property rights may be protected.

Topics covered include parliament and the courts, appeal and review systems under the Australian legal system, the doctrine of precedent and principles of statutory interpretation.

The subject also provides students with an introduction to patents, trademarks, designs copyright, circuit layouts, plant breeders' rights, confidential information and trade secrets, trade practices and anti-competitive practices, and international intellectual property treaties.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney or Trade Mark Attorney in Australia.

77898 Patent Law

6cp; offered wholly online and requires no on-campus attendance
Requisite(s): (77885c Legal Process and Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77896c Legal Process and Intellectual Property Overview OR 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice OR 77905c Preparing for Intellectual Property Practice)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an understanding of the principles of patents and the patent system in Australia. Topics covered include subject matter, s 40 of the *Patents Act 1990* (specifications), infringement, inventorship, ownership and breach of confidence.

Note(s)

This subject is accredited by the Professional Standards Board as fulfilling part of the qualifications for registration as a Patent Attorney in Australia.

77900 Goods and Services Tax

6cp
Requisite(s): (60 credit points of completed study in C04148 Master of Law and Legal Practice AND (70516 Equity and Trusts OR 70517 Equity and Trusts))
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

The course canvasses some basic principles and associated legal issues and issues relating to matters such as administration, liability, supply, taxable supply, GST-free supplies, input tax credits, bad debts, anti-avoidance and comparable jurisdictions.

77901 Securities Markets Law

6cp
Requisite(s): 70417 Corporate Law OR 77885 Legal Process and Legal Research
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject builds on the compulsory company law subject by examining key issues in the Australian scheme for the regulation of markets for corporate securities. Topics include an introduction to corporate finance, regulation of major equity and debt capital transactions such as reductions, buy-backs and the raising of new capital through equity and debt issues. The subject has a particular focus on the role of disclosure in securities market regulation, including the regulation of continuous disclosure, misleading statements to the market and insider trading. The subject also provides an introduction to takeover regulation with an emphasis on the role of disclosure in takeovers and the regulation of takeover disputes.

77903 Copyright Law

6cp
Requisite(s): (77885c Legal Process and Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research) OR 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice OR 77896c Legal Process and Intellectual Property Overview OR 77905c Preparing for Intellectual Property Practice)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject covers the principles of copyright, the development of case law and the structure and ambit of the legislation. Students are required to develop a good working knowledge of the *Copyright Act 1968* (as amended), and associated regulations, and to have a sound knowledge of relevant case law.

77905 Preparing for Intellectual Property Practice

6cp

This subject provides students with an understanding of the:

- Australian legal system, courts and legislative processes
- protection of intellectual property rights by Australian and international legal systems
- principles involved in efficient and effective management, commercialisation and exploitation of intellectual property assets
- legal entities and processes used in licensing, franchising, assignment and securing intellectual property rights, and
- the rights, privileges and responsibilities of practising patent or trade marks attorneys towards their clients, the profession and the community.

When completed, this subject ensures that students satisfy the knowledge requirements prescribed by Regulation 20.8 and Parts 2 and 3 of Schedule 5 of the *Patent Regulations 1991* (Cwlth).

77924 Superannuation and Retirement Planning

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject concentrates on the taxation aspects of superannuation at the contribution stage, while superannuation money is held in a fund, and when benefits are paid. The subject deals with related topics such as the regulatory requirements of the *Superannuation Industry (Supervision) Act 1993*, the superannuation guarantee scheme and the interaction of GST and superannuation.

Note(s)

Students who have completed 77979 Retirement Planning (PG) are not permitted to enrol in this subject. This subject was formerly named Superannuation Law.

77930 Insurance Law

6cp
Postgraduate

This subject looks at insurance from the perspective of a business buying insurance. It begins with risk management and, in the context of the function of insurance in risk management, considers the design of an insurance program and how business buys and sells insurance. The subject looks at the public regulatory regime governing the insurance industry, including products and markets. The approach examines in some detail the private law principles governing the relationship between insurer and insured in particular, the pre-contract matters of disclosure, terms on the risk and claims, and the structure and documentation of a typical policy. There is a focus on the main insurance principles: duty of utmost good faith, insurable interest, indemnity, subrogation, risk, non-disclosure, misrepresentation and cancellation of cover. There also is material on the resolution of insurance disputes. The role of intermediaries, such as agents and brokers, is also examined. The subject concludes with case studies on the insurance market in crisis.

77938 Introduction to Taxation Law

6cp
Postgraduate

This subject acquaints students with Australian taxation law in a practical business environment. The focus of the syllabus is on the application of tax law concepts in a professional accounting setting. It aims to develop students' conceptual and analytical skills and an appreciation of the Australian tax system. It provides a general analysis of the current tax system and consideration of the many changes it is presently undergoing with an emphasis on the implications for the commercial world. The subject looks at the *Income Tax Assessment Act*, the Tax Law Reform Project and the New Tax System. Particular concepts to be considered include: taxable income, income, deductions, capital gains tax, trusts, partnerships, companies and shareholders, tax accounting, tax planning and anti-avoidance provisions, fringe benefits tax and goods and services tax.

77942 Legal Aspects of Contracts Administration

6cp
Postgraduate

This subject aims to provide students with an understanding of legal issues that arise when negotiating complex contracts, as well as the difficulties that can occur once such contracts are entered.

77945 Current Issues in Taxation

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is concerned with taxation practice. It is not intended to be prescriptive, and variations will be made by the lecturer to cater for the interests of students and to take account of current developments in revenue law. Topics covered include: recent amendments and case law; fundamentals of tax planning; advanced problems; partnerships; trusts; taxation and stamp duty problems in estate management; company distributions, losses, superannuation and employee benefits; foreign source income and tax havens; alienation of income; legislative and judicial techniques to minimise tax avoidance; objections and appeals; and other revenue laws.

77947 Companies and Securities Law

6cp
Postgraduate

This subject explores company law in its applied context, addressing the needs of business practitioners and professionals such as accountants. The subject comprises four main sections. The first examines the principal provisions affecting the formation and operation of companies. The second concerns the main roles, responsibilities and duties of corporate directors, officers and other employees. The third section considers the protection of shareholders including in the process of corporate fundraising through the issue of new share capital; the section also looks at measures to protect creditors through provisions concerning the maintenance of share capital. The final section contains an introduction to securities regulation and deals with other major events in the corporate lifecycle such as external administration and takeovers.

Specific topics covered in the subject include:

- the framework of Australian corporations legislation and the role of the Australian Securities and Investments Commission
- the process of company registration and its consequences; the range of legal forms of association available for the conduct of business enterprise
- the corporate constitution
- the company's liability in contract and under criminal law
- the allocation of responsibility between shareholders, directors and company officers
- directors' and officers' duties and liabilities
- minority shareholder protection and remedies
- the regulation of major equity capital transactions such as capital reductions, share buy-backs and dividend payments
- an introduction to the legal structure of securities market regulation
- corporate fundraising - prospectus disclosure obligations and liabilities
- external administration of failing companies - voluntary administration, receivership, liquidation and winding up
- an introduction to takeovers law.

The subject seeks to:

- provide an overview of corporate law in Australia
- highlight the roles, responsibilities and duties of key personnel involved in corporations
- develop skills in identifying, analysing and understanding corporate legal problems, and
- build an appreciation of the commercial implications of the legal framework in which corporations operate.

77953 International Taxation Law

6cp
Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

A comprehensive explanation of the important issues within the international environment of business is provided. The subject places emphasis on the more important taxation issues, and responds to new issues as they arise.

77976 World Trade Organisation Law and Practice

6cp
Requisite(s): (77885c Legal Process and Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research) OR (70616 Australian Constitutional Law AND 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This is a specialist subject on the World Trade Organization (WTO). Students develop an understanding of the basic legal principles underpinning the multilateral trading system; the three pillars of the multilateral trading system, namely the General Agreement on Tariffs and Trade, General Agreement on Trade in Services and the Agreement on Trade-related Aspects of Intellectual Property Rights; the dispute settlement mechanism of the WTO; and the institutional structure and the decision-making process of the WTO.

Note(s)

LLB students require a minimum weighted average mark (WAM) of 65 per cent to undertake this subject (this requirement may be reviewed in future). If a student enrols with a WAM of less than 65 per cent they will be withdrawn from the subject after the last date to add subjects and consequently will not be able to enrol in an alternative subject in that semester.

77980 Estate Planning and Trusts

6cp
Postgraduate

This subject gives an introduction to the law of wills and estates and explores the efficient utilisation of same to achieve beneficial estate planning. Presently, succession law in Australia varies on a state by state basis – this poses additional challenges for those working with all but the simplest testamentary dispositions.

78008 Law of the Sea

6cp
Requisite(s): (77885c Legal Process and Legal Research OR (70616 Australian Constitutional Law AND 60 credit points of completed study in C04148 Master of Law and Legal Practice) OR (70110 Introduction to Law AND 76006c Public International Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

The Law of the Sea (LOS) is one of the most diverse and interesting areas of international law. This subjects examines in detail not only the status of the LOS today, but also its history and development which can be traced back to around 1650 and which has traditionally reflected shipping and navigation interests. The LOS has today been

codified and is contained in the 1982 United Nations Convention on the Law of the Sea (UNCLOS), a treaty that clearly represents one of the greatest achievements of international law making. The UNCLOS now contains many additional and dynamic areas of international law such as delineation of various maritime boundaries, including those for archipelagic states; pollution from various sources of marine pollution including land-based sources; exploitation of valuable resources such as high seas fisheries, the minerals of the continental shelf beyond national jurisdiction and of the deep seabed; marine scientific research; as well as dispute resolution.

78010 International Criminal Law

6cp
Requisite(s): (70120 Legal Method and Research AND 70115 Perspectives on Law) OR 77885c Legal Process and Legal Research OR (70616 Australian Constitutional Law AND 60 credit points of completed study in C04148 Master of Law and Legal Practice)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The subject provides an overview of international criminal law, with particular focus on conceptual and historical issues arising from the prosecution of war criminals, the establishment of international criminal authority, and the legalisation of 'justice'.

The subject charts the origins of international criminal law from the postwar settlements of Versailles, and the Nuremberg and Tokyo trials, to national-level prosecutions of war crimes and the establishment of international tribunals. It examines international criminal law by assessing its purported objectives – its claims to provide redress, historical narrative (or memory) and deterrence – in light of its substantive achievements and failures, and its continued progress in the contemporary world.

The subject examines the core crimes set out in the Rome Statute (war crimes, crimes against humanity, genocide and aggression). It also examines the functioning of the principal international institutions – the ad hoc tribunals, the International Criminal Court and the 'hybrid' tribunals. Several currently topical questions are also covered including universal jurisdiction and immunities. Finally, students have the opportunity to explore in depth a number of areas of interest in the field, including piracy, torture, terrorism and corporate complicity.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78011 International Sale of Goods

6cp
Requisite(s): (70120 Legal Method and Research AND 70115 Perspectives on Law) OR 77885 Legal Process and Legal Research OR (60 credit points of completed study in C04148 Master of Law and Legal Practice AND (70318 Personal Property OR 70327 Commercial Law))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject examines certain practical, theoretical and methodological issues concerning the proper interpretation of the provisions of the UN Convention on Contracts for the International Sale of Goods 1980 (CISG). The CISG is the uniform sales law of countries that account for two-thirds of total world trade. However, the enactment of a uniform law text carries no guarantee of its subsequent uniform application in practice. This subject provides a comparative analysis of the main provisions of the CISG and the UNIDROIT Principles of International Commercial Contracts 1994 and the Principles of European Contract Law 1998, in order to determine whether consideration of such general principles of international commercial law could aid in the proper interpretation and application of the CISG as uniform international sales law - a positive step towards substantive legal uniformity.

78013 Refugee Law and Practice

6cp
Requisite(s): 70616c Australian Constitutional Law AND 70617c Administrative Law
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject surveys contemporary legal issues in refugee protection both within Australia and internationally. Focusing initially on the 1951 Convention Relating to the Status of Refugees and the 1967 Protocol, this subject explores the key controversies in interpreting the refugee definition and extent of international protection afforded to refugees. In reviewing exclusion mechanisms in the international context, we consider the impact of terrorism on asylum procedures and eligibility, as well as issues involved in processing child soldiers.

This international law background provides a framework for considering the implementation of the Refugee Convention in Australian domestic law. We proceed to examine Australian constitutional power with respect to 'aliens' and the relevant provisions of the Commonwealth *Migration Act 1958*, focusing particularly on the procedures for decision-making in Australian refugee law, including merits review before the RRT and judicial review of administrative decisions. In this context, time is spent considering special issues which arise in working with refugee clients. Specific case studies in the domestic context include the detention and offshore interception of asylum seekers, as well as the overlap between refugee law and Australian responses to trafficking in persons. The subject concludes by considering proposals to reformulate the international refugee protection regime.

78015 Global Aspects of Intellectual Property Law

6cp
Requisite(s): (60 Credit Points in spk(s): C04148 Master of Law and Legal Practice OR 77896 Legal Process and Intellectual Property Overview OR (70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77885 Legal Process and Legal Research OR 77905 Preparing for Intellectual Property Practice)
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

This subject considers the international framework of intellectual property law. Topics covered include the international institutions dealing with intellectual property (the World Trade Organization, World Intellectual Property Organization, International Union for the Protection of New Varieties of Plants and the United Nations), particularly considering their treaties and dispute mechanisms; bilateralism and the future of multilateralism in international intellectual property including the Australia-US Free Trade Agreement; and emerging issues likely to affect international intellectual property over the coming years - health and access to pharmaceuticals, access to and protection of genetic resources and biodiversity, protection of traditional knowledge, the possibility of harmonisation and the digital agenda.

78016 International Humanitarian Law

6cp
Requisite(s): (70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77885 Legal Process and Legal Research OR 60 Credit Points in spk(s): C04148 Master of Law and Legal Practice OR (70110 Introduction to Law AND 76006 Public International Law)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject examines all the major areas of international humanitarian law. It covers the traditional topics of the laws of armed conflict and the laws in war, in addition to considering more recently emerged fields such as refugee law, peacekeeping operations and international crimes. The subject aims to situate each of these areas within the historical, philosophical and political contexts in which they have, and continue to be, developed. Moreover, there is an emphasis on the analysis of international humanitarian law through issues that have arisen by virtue of recent events, such as the proliferation of internal conflicts and the reaction to international terrorism.

78021 Contemporary Issues in Constitutional Law

6cp; mixed mode, including field trips to the High Court, guest lectures from practitioners and judicial officers and opportunities for students to negotiate assessment tasks with the lecturer
Requisite(s): 60 credit points in C04148 Master of Law and Legal Practice AND 70616 Australian Constitutional Law
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate and Postgraduate

This subject aims to provide an advanced understanding of:

- the philosophies and principles which shape Australian constitutional law
- the role and methods of the High Court in interpreting the Constitution
- the scope of particular grants of legislative power to the Commonwealth
- the scope of the executive, parliamentary and judicial powers of the Commonwealth
- the relationship between the three arms of government in Australia
- those rights and freedoms guaranteed by the Constitution, both express and implied.

Note(s)

LLB students require a minimum weighted average mark (WAM) of 65 per cent to undertake this subject (this requirement may be reviewed in future). If a student enrols with a WAM of less than 65 per cent they will be withdrawn from the subject after the last date to add subjects and consequently will not be able to enrol in an alternative subject in that semester.

78023 International Trade Law and the Environment

6cp; distance
Requisite(s): ((70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77885 Legal Process and Legal Research OR 60 credit points of completed study in C04148 Master of Law and Legal Practice)
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

The trade and environment debate conceals the problematic relationship between two legitimate interests of the international community. This subject introduces students to the significant interface between international trade liberalisation and the environmental imperative of ecologically sustainable development.

Initially the subject provides an overview of the frameworks of international trade law and environmental law and an insight into the philosophical underpinnings of both institutions. The subject considers the important role of developing countries in shaping the trade/environment debate.

The subject considers the obligations imposed by the World Trade Organization (WTO) including the Agreements on Food Safety Standards, Technical Barriers to Trade and the Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPS). The scope and operation of environmental exceptions that have been the subject of recent trade environment disputes in the WTO provide valuable insights into the area. The position of multilateral environmental agreements and the WTO is considered along with the serious implications for developing countries.

Particular specialty areas of concern are covered including ecolabelling, invasive species and intellectual property issues.

Upon completion of this subject students should be able to understand and analyse the current relationship between trade and environment, reflect in an informed manner on the future of the protection of the environment in the multilateral trade and investment regime and be able to critically assess the prospects for future harmonisation of global free trade regimes and ESD principles.

78025 Intellectual Property: Law and Policy

6cp
Requisite(s): 70120 Legal Method and Research OR 70105 Legal Research
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject provides an introduction to and overview of the legal principles of intellectual property law and the policy issues which inform the development of this law in Australia. It is designed as an introductory survey subject for graduates, practicing lawyers and students completing their first law degrees. Classes consider the historical development of intellectual property subject matters, the international framework setting standards including WIPO, WTO and AUSTFA, and the different forms of intellectual property including copyright, designs, patent, plant breeders protection, trade marks law, passing-off and related actions, moral rights, and performers' protection.

78026 Business and Law in China

6cp
Requisite(s): (77885 Legal Process and Legal Research OR (60 credit points in C04148 Master of Law and Legal Practice AND 70211 Contracts))
These requisites may not apply to students in certain courses. See access conditions.
Postgraduate

With China's emergence as a new economic superpower, and with ever-deepening business ties between Australia and China, it is crucial that students gain an up-to-date understanding of Chinese business law and an awareness of major differences between Australian and Chinese legal and business cultures. This subject focuses on areas of Chinese law that are most relevant for foreign businesses and for law firms with a China practice. Topic areas covered include:

- Chinese legal culture/business culture
- challenges of doing business in China — politics, bureaucracy, corruption, personal connections
- Chinese business enterprise law — state-owned enterprises, companies limited by shares, township and village enterprises, private entrepreneurs, foreign-invested enterprises
- pitfalls surrounding contracts and business transactions with Chinese enterprises
- foreign investment regime in China
- Chinese banking/finance system and capital markets
- business dispute resolution and litigation.

Note(s)

1. This subject was formerly called Chinese Corporate Commercial Law.
2. Students who have completed an introductory subject in Chinese law need not attend the first class but are welcome to attend if they wish.

78029 Mediation Practice

6cp
Requisite(s): 79771c Dispute Resolution AND 60 credit points of completed study in C04148 Master of Law and Legal Practice
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Postgraduate

This subject studies the philosophy, theory and practice of mediation as a dominant generic dispute resolution process. It considers the roles of all parties in the mediation process and the legal, ethical and normative framework in which the process is provided. The subject looks at the selection criteria for mediation, both by private parties and by curial reference, and the institutionalisation of mediation by

courts and public bodies. Also covered are the stages in the mediation process and the skills required for competent mediation practice. Mediation practice is the frame for the following topics:

- the development of mediation practice and philosophies in the Australian context
- the mediation process and the roles of the participants
- critical appreciation of the trend to institutionalise mediation
- the legal, ethical and normative issues that relate to mediation practice
- critical appraisal of the current debates surrounding training, accreditation and accountability of mediators.

This subject is taught in intensive mode with an emphasis on the use of simulations to explore theory. The prime assessment is a research paper selected from a list of current issues and the secondary is a case study presented in a seminar format.

Note(s)

Students who completed 79771 Dispute Resolution before Autumn 2006 should not enrol in this subject. This subject was previously taught as part of 79771 Dispute Resolution.

78030 Criminal Sentencing Law

6cp
Requisite(s): 70218 Criminal Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

The law of sentencing is without doubt one of the most interesting aspects of criminal law. It is also a critical element of the criminal justice system in New South Wales. This subject begins with a brief revision of how the criminal justice system works. It then plunges into the purpose and science of sentencing, and factors that the court may take into account when exercising its discretion in the sentencing exercise. The subject covers sentencing in the local, district and supreme courts. Students are given a practical idea of what actually happens, how the law is actually applied and what is expected of lawyers, prosecutors and judges during the sentencing exercise.

78039 Wickedness and Vice

6cp
Requisite(s): (70311 Torts OR (70110 Introduction to Law AND 76006c Public International Law))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

The legal system organises and expresses multiple meanings. This subject considers the structure of wickedness and vice it communicates. The approach taken is consistent with traditional jurisprudential concerns such as natural law theory and positivism, and theorising about the criminal legal system as a system of blaming. The subject introduces students to various jurisprudential and general philosophical accounts of the legal system's approach to wickedness and vice. These theories are applied to specific issues, including questions about our duty to obey, the regulation of morality, the malice of the law and the characterisation of terrorism. This subject is particularly timely, given increasing international reliance on a 'discourse of evil'. Theory is essential to the law. Theory gives us a way of thinking about issues differently. This is particularly important when a legal problem appears to be insurmountable. Theory offers the possibility of imagining the world differently.

78040 The Law and Education

6cp
Requisite(s): (70113 Legal Process and History AND 70105 Legal Research) OR (70115 Perspectives on Law AND 70120 Legal Method and Research)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

The object of this subject is to examine the law as it applies to compulsory and higher education today. It is designed to encourage thought and excite debate in the many areas where the law currently impacts upon both education sectors. The subject begins by outlining the legal framework for the provision of education and the governance and management of schools and universities. It then considers many of the legal issues which arise in education today in a wide range of areas such as tort, contract and consumer law, administrative law and human rights law. Current issues are examined comparatively with jurisdictions such as the United States, the United Kingdom, Canada and New Zealand.

78041 New Families, New Technologies

6cp
Postgraduate

This subject explores the multiple legal dimensions regulating families formed with the assistance of reproductive technologies. These dimensions include health and legal regulations governing the provision of reproductive technologies, ethical practice and contractual rights of individuals during treatment, direct legal regulation of practices such as surrogacy and the parental status of children.

While this subject complements subjects such as the biomedical law subjects and 77734 Law and Medicine, its focus is firmly on the recipients rather than the providers of new reproductive technologies. The subject's approach centers family formation and recognition of family relationships formed through non-traditional means. Adoption and international adoption are also considered for this reason.

The main focus is on current Australian law, but international comparative material and future Australian reform options are also discussed.

78042 Environmental Planning and Development Law

6cp
Requisite(s): 70617 Administrative Law
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate and Postgraduate

This subject introduces students to the basic rules of environmental planning and development law in New South Wales. The primary focus is on the 'development control and assessment process' in NSW, which is part of the system of statutory environmental planning contained in the *Environmental Planning and Assessment Act 1979*.

In addition to the *Environmental Planning and Assessment Act 1979*, other legislation is covered as well including, but not limited to, the *Local Government Act 1993*, the *Land and Environment Court Act 1979*, the *Environment Protection and Biodiversity Conservation Act 1999*, the *Protection of the Environment Operations Act 1997*, the *Rivers and Foreshores Improvement Act 1948*, the *National Parks and Wildlife Act 1974*, the *Heritage Act 1977*, the *Threatened Species Conservation Act 1995* and the *Water Management Act 2000*.

The subject covers the following topic areas: the making of environmental planning instruments, the meaning of development, the different categories of development, the development control process, development applications and development consents, existing use rights, part 3A major development, part 4A certificates, part 5 environmental assessment, enforcement of environmental planning laws, the powers of NSW local councils and decision-making by councils.

In order to properly understand and appreciate the law in relation to environmental planning and the development control and assessment process, it is essential that students gain an understanding of the institutions, legal principles, thought-forms, constructs and techniques of local government in NSW. Accordingly, the subject also includes such fundamental topic areas as the legal nature and role of NSW councils, their organisational structure, the roles and functions of the various 'players', decision-making mechanisms (including the conduct of meetings), delegations, sub-delegations and authorisations.

78100 Postgraduate Legal Research

8cp
Requisite(s): 75420c Ethics and Professional Conduct
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject develops theoretical understandings and practical applications of research across the discipline of law and related fields. It explores the traditional boundaries of legal research within the development and application of empirical methodologies. Emphasis is placed upon currency in legal research; the application of quantitative and qualitative methodologies to legal research and refining research skills in interdisciplinary areas with application to legal research.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78101 Postgraduate Legal Research

6cp

Postgraduate

This subject develops theoretical understandings and practical applications of research across the discipline of law and related fields. It explores the traditional boundaries of legal research within the development and application of empirical methodologies. Emphasis is placed upon currency in legal research; the application of quantitative and qualitative methodologies to legal research and refining research skills in interdisciplinary areas with application to legal research.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78102 LLM Project by Research

8cp

Requisite(s): (78100c Postgraduate Legal Research OR (70717 Evidence and Criminal Procedure AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject comprises the research and writing of a supervised thesis on an approved topic in law. The thesis is between 8000-12,000 words providing an opportunity for postgraduate law students to further develop and refine their legal research and writing skills as well as explore and analyse a topic of law of their own choosing at a high level to produce a superior quality piece of academic work. In most cases, the thesis extends and develops research done in one or more of the electives already undertaken, but in appropriate circumstances a candidate may undertake a new topic.

While LLM students may undertake this subject as a law option subject, it is not necessary under the honours rules that LLM students complete the LLM Project by Research for the award of honours to be conferred. LLM students may qualify for the award of honours if they have received a percentage mark of at least 80 per cent in all subjects.

Enrolment in this subject for Master of Laws students is generally appropriate for students in their final semester of study.

Juris Doctor and Juris Doctor/MBA students who commenced studies in 2012 or after, are required to have provisional WAM of 73 across all subjects attempted in order to undertake this subject. The application form can be found online at www.law.uts.edu.au/honours/forms.

Early submission of proposal and form is encouraged. Forms are accepted and processed from Week 12 of the preceding semester. The last date to submit forms is the Friday, two weeks before the start of semester, to allow for processing.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78103 Common Law Legal Traditions

8cp

Requisite(s): 78100c Postgraduate Legal Research

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This intensive subject provides the bridge between the civil law and the common law. It is a comprehensive subject aimed at lawyers from countries with civil or dual civil and common law legal systems. It opens with expert tuition and practical exercises in the research skills and methodology of the common law. The topics covered include primary and secondary sources of the common law; the development of the common law; courts and lawyers; the spread and reception of the common law; law finding in the common law; contract law in the common law; public law and the common law; and business transactions in the common law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Note(s)

1. Requires Faculty of Law approval.
2. Eligible students must enrol in their first semester of study.

78104 Genetics and the Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject examines the scope and limitations of existing regulation of genetic technologies with respect to humans. It also considers recent scientific and technological innovations in the area of human genetics and the role and effectiveness of law in managing these new developments. The role of law as a means to control both the development of new genetic technologies and the utilisation of existing technologies is also evaluated. This includes a specific focus on individual decision-making versus responsibility for genetic risk; individual versus group rights; genetic privacy; genetic discrimination; reproductive autonomy; and ownership and control of genetic information and research developments. Specific issues covered include regulatory limits on the use of genetic screening of adults, children and newborns; prenatal genetic testing and genetic testing of adults and children; the regulation of genetic registers, protecting genetic information privacy and the problem of familial information; measures to control genetic discrimination in employment and insurance; the regulation of genetic research through the NHMRC guidelines and other means; the regulation of genetics in medical research including gene therapy, inheritable genetic modification, stem cell research and human somatic cell nuclear transfer (cloning technologies); and the establishment of biobanks and the concept of genomic property.

78105 Genetics and the Law

6cp

Postgraduate

This subject examines the scope and limitations of existing regulation of genetic technologies with respect to humans. It also considers recent scientific and technological innovations in the area of human genetics and the role and effectiveness of law in managing these new developments. The role of law as a means to control both the development of new genetic technologies and the utilisation of existing technologies is also evaluated. This includes a specific focus on individual decision-making versus responsibility for genetic risk, individual versus group rights, genetic privacy, genetic discrimination, reproductive autonomy, and ownership and control of genetic information and research developments. Specific issues covered include regulatory limits on the use of genetic screening of adults, children and newborns; prenatal genetic testing and genetic testing of adults and children; the regulation of genetic registers, protecting genetic information privacy and the problem of familial information; measures to control genetic discrimination in employment and insurance; the regulation of genetic research through the NHMRC guidelines and other means; the regulation of genetics in medical research including gene therapy, inheritable genetic modification, stem cell research and human somatic cell nuclear transfer (cloning technologies); and the establishment of biobanks and the concept of genomic property.

78106 Climate Law and Carbon Markets

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject examines climate change, which is one of the most pressing environmental problems of our generation. It is a major business issue that is affecting law, policy and corporate behaviour. The Intergovernmental Panel on Climate Change has said that to avoid irreversible harm to the planet, greenhouse gas emissions must be stabilised, and this will involve a significant and rapid reduction in 'business as usual' reductions. This will involve unprecedented cooperation at the international level as well as innovative national responses.

This subject examines the potential role of the international and policy communities as well as the legal and business communities in confronting climate law. It analyses the existing and emerging legal rules and frameworks, both internationally and in Australia, the impacts of these on business and the response from industry. It critically evaluates the incentives for firms to comply and over-comply with environmental laws and participate in voluntary programs and examines the role of business in adaptation measures and climate justice issues.

78107 Climate Law and Carbon Markets

6cp

Postgraduate

This subject examines climate change, which is one of the most pressing environmental problems of our generation. It is a major business issue that is affecting law, policy and corporate behaviour. The Intergovernmental Panel on Climate Change has said that to avoid irreversible harm to the planet, greenhouse gas emissions must be stabilised, and this will involve a significant and rapid reduction in 'business as usual' reductions. This will involve unprecedented cooperation at the international level as well as innovative national responses.

This subject examines the potential role of the international and policy communities as well as the legal and business communities in confronting climate law. It analyses the existing and emerging legal rules and frameworks, both internationally and in Australia, the impacts of these on business and the response from industry. It critically evaluates the incentives for firms to comply and over-comply with environmental laws and participate in voluntary programs and examines the role of business in adaptation measures and climate justice issues.

78110 Banking and Finance Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject deals with key issues that arise when a financial intermediary provides large amounts of secured or unsecured finance to sophisticated clients. The aim of this subject is to alert the student to the problems that may arise in this area of practice and at the same time provide them with a sound foundation for advising in more specific forms of financial accommodation. It is also intended that the skills acquired in the subject are transferable to other jurisdictions that have key financial centres.

Typical availability

Spring semester, City campus

78111 Banking and Finance Law

6cp

Postgraduate

This subject deals with key issues that arise when a financial intermediary provides large amounts of secured or unsecured finance to sophisticated clients. The aim of this subject is to alert the student to the problems that may arise in this area of practice and at the same time provide them with a sound foundation for advising in more specific forms of financial accommodation. It is also intended that the skills acquired in the subject are transferable to other jurisdictions that have key financial centres.

Typical availability

Spring semester, City campus

78112 Securities Regulation

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject examines key issues in the law and regulation relating to securities within Australia. It begins by developing an understanding of the nature of securities as a form of corporate fundraising, and then briefly examines how their issuance and trading is regulated within Australia. The regulatory roles of ASIC and ASX in relation to the issuance and trading of securities are then examined. From the basis of this foundational knowledge, the course is structured into three parts.

- Part 1 examines the regulation of securities offerings, including the objectives and focus of Australia's investor protection laws, the documentation and procedural requirements for securities offerings, and the liability issues that might arise from deficient disclosure. Part 1 concludes with an examination of the continuous disclosure requirements applying to entities that are listed on Australia's financial markets.
- Part 2 undertakes an overview of the regulation of significant transactions involving securities, including share reductions, share buy-backs, self-acquisitions and payments of dividends. It then undertakes an overview of the regulation of merger and acquisition activity within Australia.
- Part 3 focuses on the regulation of financial markets within Australia upon which securities are traded, and the various forms of prohibited conduct involving dealings in securities, including insider trading, market manipulation and short selling.

The subject draws upon recent and current case studies relating to the issuance of, and dealing in, securities both within Australia and overseas to further develop students' knowledge of the various topics examined. Throughout the subject, the significance of several key themes are reinforced, including the importance of timely and accurate disclosure, responsible handling of confidential information, and the potential consequences that might follow from illegal conduct. The subject also develops an appreciation of the commercial considerations that drive and influence significant transactions involving securities, and the various factors which impact upon the operation of financial markets.

Typical availability

Spring semester, City campus

78113 Securities Regulation

6cp

Postgraduate

This subject examines key issues in the law and regulation relating to securities within Australia. It begins by developing an understanding of the nature of securities as a form of corporate fundraising and then briefly examines how their issuance and trading is regulated within Australia. The regulatory roles of ASIC and ASX in relation to the issuance and trading of securities are then examined. From the basis of this foundational knowledge, the subject is structured into three parts.

- Part 1 examines the regulation of securities offerings, including the objectives and focus of Australia's investor protection laws, the documentation and procedural requirements for securities offerings, and the liability issues that might arise from deficient disclosure. Part 1 concludes with an examination of the continuous disclosure requirements applying to entities that are listed on Australia's financial markets.

- Part 2 undertakes an overview of the regulation of significant transactions involving securities, including share reductions, share buy-backs, self-acquisitions and payments of dividends. It then undertakes an overview of the regulation of merger and acquisition activity within Australia.
- Part 3 focuses on the regulation of financial markets within Australia upon which securities are traded, and the various forms of prohibited conduct involving dealings in securities, including insider trading, market manipulation and short selling.

The subject draws upon recent and current case studies relating to the issuance of, and dealing in, securities both within Australia and overseas to further develop students' knowledge of the various topics examined. Throughout the subject, the significance of several key themes are reinforced, including the importance of timely and accurate disclosure, responsible handling of confidential information, and the potential consequences that might follow from illegal conduct. The subject also develops an appreciation of the commercial considerations that drive and influence significant transactions involving securities, and the various factors which impact upon the operation of financial markets.

Typical availability

Spring semester, City campus

78118 Business and Law in China

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

With China's emergence as a new economic superpower, and with ever-deepening business ties between Australia and China, it is crucial that students gain an up-to-date understanding of Chinese business law and an awareness of the major differences between Australian and Chinese legal and business cultures. This subject adopts a case-based, problem-solving approach to focus on the areas of:

- current legal system and legal/business culture of China
- Chinese investment law environment and how it differs from Australia
- corporate structures and the status of business corporations in China since China's accession to the World Trade Organization
- the legal environment for foreign entities doing business in and with China, potential risks and case studies
- China's WTO compliance and Australia–China Free Trade Agreement – case studies.

The subject is important for students wishing to understand the interactions between law, business, politics and culture in China today. Students develop practical and research skills that assist them in understanding the business environment in China in contrast to that of Australia.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78119 Commercial Arbitration (Domestic)

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines the practice of arbitration from both a practical and theoretical perspective. It deals comprehensively with domestic commercial arbitration subject to the *Commercial Arbitration Act 1984* including the jurisdiction, powers and role of the arbitrator, how the arbitration is to be conducted and the award presented and enforced.

This is a comprehensive coverage of this area suitable for any student contemplating participation in arbitrations, either as a legal representative or as an arbitrator.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78121 Corporate Insolvency

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject aims to provide students with a detailed and practical understanding of the various insolvency and restructuring options that are available to companies in financial distress. The discussion of corporate insolvency laws is placed within the broader commercial and social context of business failure, including the impact of insolvency on secured and unsecured creditors, employees and tort victims. In particular, this subject discusses the range of formal and informal debt restructuring techniques that may be used to assist a company in financial distress. Where relevant, the subject materials provide a comparison between Australia's corporate insolvency and restructuring laws and corresponding laws in Europe, North America and Asia.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78122 Corporate Insolvency

6cp
Postgraduate

This subject aims to provide students with a detailed and practical understanding of the various insolvency and restructuring options that are available to companies in financial distress. The discussion of corporate insolvency laws is placed within the broader commercial and social context of business failure, including the impact of insolvency on secured and unsecured creditors, employees and tort victims. In particular, this subject discusses the range of formal and informal debt restructuring techniques that may be used to assist a company in financial distress. Where relevant, the subject materials provide a comparison between Australia's corporate insolvency and restructuring laws and corresponding laws in Europe, North America and Asia.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78123 Deceptive Trade Practices

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject examines deceptive trade practices law in Australia, including the meaning of trade and commerce, the meaning of misleading or deceptive conduct, and the remedies available where there has been misleading or deceptive conduct.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78124 Dispute Resolution in Commerce

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an overview of dispute management and complaints handling systems, together with further consideration of the developing body of dispute resolution and negotiation theory and practice in the commercial context.

There is an increasing demand for the development of dispute resolution systems that avoid an adversarial approach in commercial environments where delay, high legal costs and limited possible outcomes are being perceived as counterproductive in the highly competitive commercial environment. Increasingly there have been legislative responses for providing both processes and process providers for resolving and settling commercial disputes. These developments are also studied in the context of changing corporate structures and cultures and the demands for effective, accessible, cost efficient and ethical methods for dealing with commercial disputes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78125 Corporate Governance

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject deals with topics of central importance to the governance of the large, especially the publicly-held, business corporation. As a field of study, corporate governance deals with the rules, relationships, systems and processes within a corporation by which authority is allocated and its exercise reviewed and controlled. Corporate governance provides a framework which shapes the dealings and relationships between directors, managers, shareholders and others with a stake in the corporation's success. In this subject, topics are studied from a comparative perspective that takes account of developments in the principal markets and legal systems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78126 Corporate Governance

6cp
Postgraduate

This subject deals with topics of central importance to the governance of the large, especially the publicly-held, business corporation. As a field of study, corporate governance deals with the rules, relationships, systems and processes within a corporation by which authority is allocated and its exercise reviewed and controlled. Corporate governance provides a framework which shapes the dealings and relationships between directors, managers, shareholders and others with a stake in the corporation's success. In this subject, topics are studied from a comparative perspective that takes account of developments in the principal markets and legal systems.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78127 Advanced Mediation

8cp
Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration) AND 78136 Dispute Resolution)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject builds on the introductory theory and practice presented in 79771 Dispute Resolution and 78029 Mediation Practice. This subject provides an overview and examination of a range of innovative mediation processes that have recently been developed to demonstrate the wide theoretical bases underpinning the development and application of mediation practice. Mediation models including narrative, transformative, relational, holistic, insight and bio-ethical are studied as well as culturally significant models that have been developed. The philosophies, theories and practice attaching to these models is also examined in the context of the diversity of their originating disciplines, including psychology, anthropology, sociology, theology and contemporary community norms.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78128 Child Law in Australia

8cp
Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration) AND 78136 Dispute Resolution)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject enhances and builds upon law studies as they relate to children; in particular, constitutional law, criminal law, contracts, torts and the law of evidence. The subject includes issues ranging from children's rights, child development theory, care and protection (including fostering), preschool and school education, civil liability, juvenile justice, legal representation, access to medical treatment and procedures. The present law in New South Wales is considered as well as the historical development of laws relating to children, proposed reforms and comparative material from other jurisdictions. The subject combines both a theoretical and a vocational approach to the study of these issues and is not only of benefit to students interested in these issues, but also to those students considering a career, or enhancing their career, in legal practice and / or the delivery of children's legal services.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78129 Child Law in Australia

6cp
Postgraduate

This subject enhances and builds upon law studies as they relate to children; in particular, constitutional law, criminal law, contracts, torts and the law of evidence. The subject includes issues ranging from children's rights, child development theory, care and protection (including fostering), preschool and school education, civil liability, juvenile justice, legal representation, access to medical treatment and procedures. The present law in New South Wales is considered as well as the historical development of laws relating to children, proposed reforms, and comparative material from other jurisdictions. The subject combines both a theoretical and a vocational approach to the study of these issues and is not only of benefit to students interested in these issues, but also to those students considering a career, or enhancing their career, in legal practice and / or the delivery of children's legal services.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78130 Complex Parenting Disputes

8cp
Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject addresses issues arising in complex children's cases in family law through a series of detailed case studies. It addresses disputes and intractable conflict in areas of:

- health and medical decision-making where the parents or parent and child have divergent views
- claims involving non-parents
- sexual and physical abuse allegations
- impaired parenting capacity
- care and protection proceedings.

The subject is of interest to anyone practising in the areas of family law and child protection. The main focus is on current Australian law, but international comparative material and future Australian reform options are also discussed.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78131 Complex Parenting Disputes

6cp
Postgraduate

This subject addresses issues arising in complex children's cases in family law through a series of detailed case studies. It addresses disputes and intractable conflict in areas of:

- health and medical decision-making where the parents or parent and child have divergent views
- claims involving non-parents
- sexual and physical abuse allegations
- impaired parenting capacity
- care and protection proceedings.

The subject is of interest to anyone practising in the areas of family law and child protection. The main focus is on current Australian law, but international comparative material and future Australian reform options are also discussed.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78132 Complex Financial and Property Disputes (in Family Law)

8cp
Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject builds upon previous study and/or practice in family law. It aims to develop an advanced understanding of the forms of proprietary relief which are available to resolve complex property disputes arising from relationship breakdown. Apart from considering recent legislative reform and judicial decisions, the subject considers various topics including financial agreements, late applications, superannuation, third parties, creditors and bankruptcy, setting aside orders, enforcement and the implications of revenue law. The subject also aims to encourage students to think critically, reflexively and creatively about the resolution of these complex issues.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78133 Complex Financial and Property Disputes (in Family Law)

6cp
Requisite(s): C04143 Master of Laws OR C02027 Doctor of Juridical Science OR C04148 Master of Law and Legal Practice OR C04147 Master of Legal Studies OR C07074 Graduate Diploma in Legal Studies
Postgraduate

This subject builds upon previous study and/or practice in family law. It aims to develop an advanced understanding of the forms of proprietary relief which are available to resolve complex property disputes arising from relationship breakdown. Apart from considering recent legislative reform and judicial decisions, the subject considers various topics including financial agreements, late applications, superannuation, third parties, creditors and bankruptcy, setting aside orders, enforcement and the implications of revenue law. The subject also aims to encourage students to think critically, reflexively and creatively about the resolution of these complex issues.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78134 Current Issues in Family Law

8cp
Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration) AND 78136 Dispute Resolution)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject builds upon previous study and/or practice in family law. It aims to develop a broader understanding of family law in its social context, including an understanding of the processes of law reform and policy development. The course content reflects current issues and developments in key areas such as relationship recognition, parenting disputes and child protection, financial support and property division. It also considers dispute resolution options, the financing of litigation and any relevant changes to the Family Law Rules and the delivery of related services. Overall, the subject encourages students to think critically and reflexively about current policy arguments, legal issues and the practice of family law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78135 Current Issues in Family Law

6cp
Postgraduate

This subject builds upon previous study and/or practice in family law. It aims to develop a broader understanding of family law in its social context, including an understanding of the processes of law reform and policy development. The course content reflects current issues and developments in key areas such as relationship recognition, parenting disputes and child protection, financial support and property division. It also considers dispute resolution options, the financing of litigation and any relevant changes to the Family Law Rules and the delivery of related services. Overall, the subject encourages students to think critically and reflexively about current policy arguments, legal issues and the practice of family law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78136 Dispute Resolution

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject is an introduction to the philosophy, theory and practice of dispute resolution, an area of increasing importance in all professions, business, and government. The new legal advocacy is based on the principles and processes studied in this subject.

The subject content reflects the changes in the many state and federal jurisdictions necessary to integrate a range of voluntary and compulsory dispute resolution processes with adversarial proceedings. The subject also covers the development and application of an ever-widening range of private and public situations dispute resolution processes required under legislation or government and professional requirements.

This emerging practice of professional dispute resolution is examined both within and outside the legal profession. Overall, the subject encourages students to think critically and reflexively about this emerging area of practice, the legal, professional and policy issues, and to learn the core practical skills.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78137 Facilitation

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject covers the range of facilitative processes and techniques applied to the resolution of disputes in both the public and private arenas. Students are introduced to the extensive scholarship, strategies and skills that are required for the resolution of disputes using consultative, consensus-seeking and restorative processes with the assistance of a facilitator. The subject focuses on the use of these processes in the resolution of a broad range of multi-party disputes where mediation and conciliation processes are not indicated. The subject examines the design and use of these processes in:

- the public arena, such as environmental and other multi-party disputes involving governmental and quasi-governmental, social and community concerns
- the juvenile and adult criminal justice system
- family and civil law systems, such as in the resolution of family welfare disputes and multi-party family or community-based disputes
- schools and other educational organisations and other institutions where the needs of community behaviour require disciplinary systems that are both restorative and educational.

In addition, the subject examines, generally, where a process, required to address concerns of parties to a dispute, is able to provide a satisfying and effective outcome that also has the possibility of being transformative for the participants and for the community. In particular, the subject involves students in the critical study of the scholarship, the philosophy and values, the skills and the issues arising out of the application of these facilitative processes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78138 Facilitation

6cp

Requisite(s): 79771 Dispute Resolution

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject covers the range of facilitative processes and techniques applied to the resolution of disputes in both the public and private arenas. Students are introduced to the extensive scholarship, strategies and skills that are required for the resolution of disputes using consultative, consensus-seeking and restorative processes with the assistance of a facilitator. The subject focuses on the use of these processes in the resolution of a broad range of multi-party disputes where mediation and conciliation processes are not indicated. The subject examines the design and use of these processes in:

- the public arena, such as environmental and other multi-party disputes involving governmental and quasi-governmental, social and community concerns
- the juvenile and adult criminal justice system
- family and civil law systems, such as in the resolution of family welfare disputes and multi-party family or community-based disputes
- schools and other educational organisations and other institutions where the needs of community behaviour require disciplinary systems that are both restorative and educational.

In addition, the subject examines, generally, where a process, required to address concerns of parties to a dispute, is able to provide a satisfying and effective outcome that also has the possibility of being transformative for the participants and for the community. In particular, the subject involves students in the critical study of the scholarship, the philosophy and values, the skills and the issues arising out of the application of these facilitative processes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78139 Family Dispute Resolution

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject is an introduction to the theory and practice of the emerging family law framework that is supported by new legislation and developing practice in family dispute resolution.

This subject studies the evolving alternatives to adjudication of family law matters and the demand for new dispute resolution systems and processes to avoid an adversarial approach to family disputes. The influence of the social sciences in this field and the growing body of research that examines the negative impact of protracted litigation on families, and in particular, children, is examined.

As well as the legislative and theoretical aspects of family dispute resolution, this subject comprehensively explores the combination of voluntary and compulsory dispute resolution processes, supported by government policy and legislation, in this new family law framework. The quality and complementary aspects voluntary and compulsory approaches are also examined in terms of the accessibility and effectiveness of the new family law framework.

This subject also examines the emerging practice of collaborative law and the impact this will have on modern legal advocacy and professional practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78140 International and Comparative Family Law

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject explores issues in family law from an international and comparative perspective. It examines the legal relationship among children, families and the state, with special emphasis on the United Nations Convention of the Rights of the Child 1989 and other human rights documents that govern the role of government and the law in family life. The course compares and contrasts Australian family law with one or more international jurisdictions (e.g. the United States, the United Kingdom, New Zealand and Canada) on a number of issues including relationships (formation and recognition), parenting and parenting disputes, and financial disputes following relationship breakdown. The subject specifically examines how international treaties (such as the Hague Conventions) have shaped the development of family law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78141 International and Comparative Family Law

6cp

Postgraduate

This subject explores issues in family law from an international and comparative perspective. It examines the legal relationship among children, families and the state, with special emphasis on the United Nations Convention of the Rights of the Child 1989 and other human rights documents that govern the role of government and the law in family life. The course compares and contrasts Australian family law with one or more international jurisdictions (e.g. the United States, the United Kingdom, New Zealand and Canada) on a number of issues including relationships (formation and recognition), parenting and parenting disputes, and financial disputes following relationship breakdown. The subject specifically examines how international treaties (such as the Hague Conventions) have shaped the development of family law.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78142 New Families, New Technologies

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject explores laws that regulate and impact upon 'new families'; those formed through non-normative means. It primarily focuses on legal issues for families formed with the assistance of reproductive technologies, but also examines surrogacy and adoption, using a family law perspective. The issues include:

- health policy and legal regulations governing the provision of reproductive technologies
- the rights of prospective parents and gamete donors during treatment
- direct legal regulation of practices such as surrogacy
- the parental status of children born through assisted reproductive technologies, and
- domestic and international law, government policy and practice around adoption (in particular, inter-country adoption).

While this subject complements subjects such as BioMedical Law and Law and Medicine, its focus is firmly on the recipients rather than the providers of new reproductive technologies. The approach centres family formation and examines avenues for legal recognition of family relationships formed through non-traditional means. Adoption and international adoption is also considered for this reason. The main focus is on current Australian law, but international comparative material and future Australian reform options is also discussed.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78143 Psychology and Dispute Resolution

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78136 Dispute Resolution) OR (78136 Dispute Resolution AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject is an introduction to key concepts in psychology that have relevance for dispute resolution practise. A main focus of this subject is the application of psychological concepts to disputes and conflict situations in order to understand what is going on and to start to learn to harness new skills and paradigms to work more effectively with ongoing conflict and within the dispute resolution process.

It is presented in an intensive program of three full-day sessions on campus plus a day of seminar presentations. These four day sessions are supplemented by readings and research in an area of the subject that interests the student.

During the full-day sessions each psychological concept is explored using the following format:

- theory: past and current
- research: evidence for and against the theory
- application of the concept to dispute resolution
- practice: exercises, homework, role-play
- discussion: as a student/practitioner how can I apply this?; what is its value?; what have I learnt?
- future directions:
  - how is the concept evolving?; what are the implications for the practice of dispute resolution?
  - as a student/practitioner: where do I go from here?; what action can I take?

Typical availability

Autumn semester, City campus

Spring semester, City campus

78144 Contemporary Issues in Health Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject deals with current issues in health law. The area of health is dynamic and ever evolving and the law must recognise the rapid developments and impact of new technologies, treatments and consider the future impact of current policies. Class discussion focuses on the need for regulation; the current systems in place; the responses to the ethical and legal dilemmas that may arise and the contribution that the law makes. Topics include the rapid advancement and future direction of medical technology; neuroscience and law; public health issues such as obesity, alcohol, pandemics; aged care and tobacco; responses to emergencies; drug policy and the effects on the health system; the pharmaceutical industry; International perspectives; discrimination and access to treatment; e-health and the cosmetic surgery industry.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78145 Contemporary Issues in Health Law

6cp
Postgraduate

This subject deals with current issues in health law. The area of health is dynamic and ever evolving and the law must recognise the rapid developments and impact of new technologies, treatments and consider the future impact of current policies. Class discussion focuses on the need for regulation; the current systems in place; the responses to the ethical and legal dilemmas that may arise and the contribution that the law makes. Topics include the rapid advancement and future direction of medical technology; neuroscience and law; public health issues such as obesity, alcohol, pandemics; aged care and tobacco; responses to emergencies; drug policy and the effects on the health system; the pharmaceutical industry; International perspectives; discrimination and access to treatment; e-health and the cosmetic surgery industry.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78146 Dilemmas in Biomedical Law

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides an in-depth exploration of select current issues in the way in which the legal system responds to new biomedical developments. It is often assumed that law reform solves many of the dilemmas which society faces through technological advances in areas such as genetic testing and cloning. This subject examines such traditional assumptions as to the efficacy of legal regulation through an analysis of the strengths and limitations of differing regulatory choices. From hard law through to soft law, this subject uses the issues that arise in biomedical law and the principles of bioethics to examine policy choices and practical outcomes. In particular, the subject seeks to examine the impact which emerging medical developments may have on society, and to explore possible legal solutions to deal with the challenges presented by such innovations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78147 Dilemmas in Biomedical Law

6cp
Postgraduate

This subject provides an in-depth exploration of select current issues in the way in which the legal system responds to new biomedical developments. It is often assumed that law reform solves many of the dilemmas which society faces through technological advances in areas such as genetic testing and cloning. This subject examines such traditional assumptions as to the efficacy of legal regulation through an analysis of the strengths and limitations of differing regulatory choices. From hard law through to soft law, this subject uses the issues that arise in biomedical law and the principles of bioethics to examine policy choices and practical outcomes. In particular, the subject seeks to examine the impact which emerging medical developments may have on society, and to explore possible legal solutions to deal with the challenges presented by such innovations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78148 Law and Medicine

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject deals with the interface between law and medicine. It provides a specialist examination of the issues which confront both health care providers and their patients in the context of continuing systemic and resource problems. These issues include the handling of complaints against health care professionals and the regulation of the professions, the duties of doctors and medical negligence, consent to treatment, access to medical records and confidentiality, and alternative or complementary medicine.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78149 Law and Mental Health

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is designed to give students an introduction and overview of the interface between the disciplines of psychiatry and law. It examines how the empirical research and theories of psychology intersect with the application of legal principles and practices. As a result of successfully completing this subject, students should be able to translate personal and/or social issues concerning the study of mental illness into the practice of mental health law. Furthermore, students should be able to evaluate the efficacy of different perspectives in relation to contemporary debates about mental illness. Students should also demonstrate successful teamwork, involving the ability to participate in collaborative learning activities, both face-to-face and also demonstrate the development of independent learning skills.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78150 Law and Mental Health

6cp
Postgraduate

This subject is designed to give students an introduction and overview of the interface between the disciplines of psychiatry and law. It examines how the empirical research and theories of psychology intersect with the application of legal principles and practices. As a result of successfully completing this subject, students should be able to translate personal and/or social issues concerning the study of mental illness into the practice of mental health law. Furthermore, students should be able to evaluate the efficacy of different perspectives in relation to contemporary debates about mental illness. Students should also demonstrate successful teamwork, involving the ability to participate in collaborative learning activities, both face-to-face and also demonstrate the development of independent learning skills.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78151 Human Rights Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

International human rights law seeks to address a range of contemporary issues in global politics, economics and society. While it draws on a long conceptual history of thinking through the rights of the human, this subject focuses more on the practical history and development of the current international human rights regime.

Students become familiar with the substantive and procedural elements of international human rights law, and gain practical experience in debating the applicability of human rights instruments to specific situations. Students engage with a range of case studies which include consideration of the human rights issues raised by the Northern Territory Intervention, the Australian system of mandatory detention of those seeking to exercise their right to asylum, torture and ill-treatment, and corporations and human rights.

The subject aims to provide students with a sophisticated appreciation of the wide range of issues that encompass human rights concerns; and to allow reflection upon the significance of international human rights law in order to develop an understanding of its usefulness, its limits and its future potential for emancipatory change.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78152 International Commercial Transactions

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject provides an overview of international business transactions and the framework for international regulation of commercial transactions. Furthermore, the subject provides an overview of international trade organisations (e.g. WTO, EU) and the uniform law applicable to international sale of goods (CISG).

Other key themes in the subject include aspects of the international regulation of trade in goods: WTO; an overview of licensing transactions and licensing into the EU; an overview of foreign direct investment and issues of investing in Europe.

The subject also provides an introduction to dispute resolution issues; and an overview of trans-boundary dispute resolution.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78153 International Commercial Transactions

6cp

Postgraduate

This subject provides an overview of international business transactions and the framework for international regulation of commercial transactions. Furthermore, the subject provides an overview of international trade organisations (e.g. WTO, EU) and the uniform law applicable to international sale of goods (CISG).

Other key themes in the subject include aspects of the international regulation of trade in goods: WTO; an overview of licensing transactions and licensing into the EU; an overview of foreign direct investment and issues of investing in Europe.

The subject also provides an introduction to dispute resolution issues; and an overview of trans-boundary dispute resolution.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78154 International Criminal Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

The subject provides an overview of international criminal law, with particular focus on conceptual and historical issues arising from the prosecution of war criminals, the establishment of international criminal authority, and the legalisation of 'justice'.

The subject charts the origins of international criminal law from the postwar settlements of Versailles, and the Nuremberg and Tokyo trials, to national-level prosecutions of war crimes and the establishment of international tribunals. The course examines international criminal law by assessing its purported objectives—its claims to provide redress, historical narrative (or memory) and deterrence—in light of its substantive achievements and failures, and its continued progress in the contemporary world.

The subject examines the core crimes set out in the Rome Statute (war crimes, crimes against humanity, genocide and aggression). The course also examines the functioning of the principal international institutions—the ad hoc tribunals, the International Criminal Court, and the 'hybrid' tribunals. The course also covers a number of currently topical questions including universal jurisdiction and immunities. Finally, students have the opportunity to explore in depth a number of areas of interest in the field, including piracy, torture, terrorism and corporate complicity.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78155 International Environmental Law: Policy and Implementation

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject addresses the nature, scope, structure and implementation of international environmental law. It introduces students to treaty law, soft law and customary international law relating to the protection, conservation and management of the world's environment. Concepts and principles that have been employed for environmental protection are examined. This subject gives special attention to contemporary environmental problems. These include global warming, ozone depletion, marine pollution, trans-boundary movements of hazardous wastes, biodiversity and trade and the environment. The role of the UN and and other multilateral organisations and the role of the international court of justice in formulating and developing international environmental law is highlighted. Selected domestic implementation is also explored.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78156 International Environmental Law: Policy and Implementation

6cp

Postgraduate

This subject addresses the nature, scope, structure and implementation of international environmental law. It introduces students to treaty law, soft law and customary international law relating to the protection, conservation and management of the world's environment. Concepts and principles that have been employed for environmental protection are examined. This subject gives special attention to contemporary environmental problems. These include global warming, ozone depletion, marine pollution, trans-boundary movements of hazardous wastes, biodiversity and trade and the environment. The role of

the UN and and other multilateral organisations and the role of the international court of justice in formulating and developing international environmental law is highlighted. Selected domestic implementation is also explored.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78157 Private International Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject is an advanced study of private international law as it operates within the Commonwealth of Australia and in relation to overseas countries, with emphasis on issues of current relevance, and with reference to American and European law. In this context, governing doctrinal principles and leading cases on conflicting issues from private law, including torts, contracts, agency, marriage, divorce, inheritance and real property are discussed. Important rules laid down in international treaties, which have priority over national conflict of laws are addressed. In particular, current developments at the Hague Conference on Private International Law and in the European Union are examined. The foundation of private international law is also explored.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78158 Private International Law

6cp

Postgraduate

This subject is an advanced study of private international law as it operates within the Commonwealth of Australia and in relation to overseas countries, with emphasis on issues of current relevance, and with reference to American and European law. In this context, governing doctrinal principles and leading cases on conflicting issues from private law, including torts, contracts, agency, marriage, divorce, inheritance and real property are discussed. Important rules laid down in international treaties, which have priority over national conflict of laws are addressed. In particular, current developments at the Hague Conference on Private International Law and in the European Union are examined. The foundation of private international law is also explored.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78163 Law and Regulation

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject explores the concept of regulation. As political, economic and social change occurs traditional methods of regulating the economy, preserving the environment, enhancing protections of rights/ensuring liability and providing social justice become less effective. This subject aims to examine the traditional aspects of regulation and juxtapose them against the new forms of regulation which may possibly create better avenues for outcomes. These new forms of regulation, sometimes terms 'new governance' expand across balancing national, international and supra-national coordination or enhancing the cooperation between public and private institutions. The aim of this subject is to build upon a traditional understanding of regulation and to begin to explore the institutions and techniques which are producing novel outcomes and practices.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78164 Law and Regulation

6cp

Postgraduate

This subject explores the concept of regulation. As political, economic and social change occurs traditional methods of regulating the economy, preserving the environment, enhancing protections of rights/ensuring liability and providing social justice become less effective. This subject aims to examine the traditional aspects of regulation and juxtapose them against the new forms of regulation which may possibly create better avenues for outcomes. These new forms of regulation, sometimes terms 'new governance' expand across balancing national, international and supra-national coordination or enhancing the cooperation between public and private institutions. The aim of this subject is to build upon a traditional understanding of regulation and to begin to explore the institutions and techniques which are producing novel outcomes and practices.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78165 Media and Entertainment Law and Regulation

8cp

Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject examines the legal and industry self-regulation of media and entertainment content. Students examine the policy and legal issues surrounding regulation of media and entertainment content (including arts, film, broadcasting, music, gaming, and telecommunications), particularly in light of developing media and communications technologies. Throughout the subject students analyse laws that restrict what can be expressed, exhibited, broadcast, published or distributed. Topics include freedom of speech, defamation, contempt, hate speech and vilification, obscenity and pornography, sedition, copyright, and the regulation of the internet.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78166 Media and Entertainment Law and Regulation

6cp

Postgraduate

This subject examines the legal and industry self-regulation of media and entertainment content. Students examine the policy and legal issues surrounding regulation of media and entertainment content (including arts, film, broadcasting, music, gaming, and telecommunications), particularly in light of developing media and communications technologies. Throughout the subject students analyse laws that restrict what can be expressed, exhibited, broadcast, published or distributed. Topics include freedom of speech, defamation, contempt, hate speech and vilification, obscenity and pornography, sedition, copyright, and the regulation of the internet.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78171 Crisis Negotiation

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject provides a theoretical overview of, and instruction in, the process of crisis negotiation. This subject aims to develop the student's skills in negotiating crisis situations and in dealing with a hard-bargainer and 'dirty tricks'. It also addresses the use of negotiation in critical incidents, such as crisis management in the corporate sector, up to the use of the process in counter terrorism. This subject builds on the subject content of 77745 Negotiation, in particular, knowledge of the negotiation process and communication techniques. The subject aims to give the student knowledge and practical skills in negotiation to deal peacefully with potentially volatile situations. The subject is designed for students that may be working in a profession that has exposure to these types of situations (e.g. front line counter staff, psychiatric nurses, community mediators, crisis team workers, social workers, ambulance officers, police officers) and those students interested in the specific application of the negotiation process in critical situations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78172 Dispute Resolution in Civil Practice

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject explores court connected processes which incorporate dispute resolution processes into the court system. It draws on programs in courts in Australia and overseas. It addresses the impact of dispute resolution on the formal adversarial system, and examines the interface of the informal and formal systems, and the effect of the formal systems on the less formal dispute resolution processes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78173 Dispute Resolution in Civil Practice

6cp
Requisite(s): 79771 Dispute Resolution
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject explores court connected processes which incorporate dispute resolution processes into the court system. It draws on programs in courts in Australia and overseas. It addresses the impact of dispute resolution on the formal adversarial system, and examines the interface of the informal and formal systems, and the effect of the formal systems on the less formal dispute resolution processes.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78174 Mediation Practice

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is an introduction to the philosophy, theory and practice of dispute resolution, an area of increasing importance in all professions, business, and government. The new legal advocacy is based on the principles and processes studied in this subject. The subject content reflects the changes in the many state and federal jurisdictions necessary to integrate a range of voluntary and compulsory dispute resolution processes with adversarial proceedings. The subject also covers the development and application of an ever-widening range of private and public situations dispute resolution processes required under legislation or government and professional requirements. This emerging practice of professional dispute resolution is examined both within and outside the legal profession. Overall, the subject encourages students to think critically and reflexively about this emerging area of practice, the legal, professional and policy issues, and to learn the core practical skills.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78175 Negotiation

8cp; intensive
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject is taught in intensive mode and is designed to provide an understanding of the theory and skills of negotiation. It covers the diverse approaches to negotiation, with a focus on principled negotiation as taught by the Harvard Law Faculty's Negotiation Project. This subject brings together the current theories and practice in negotiation skills and analysis with an emphasis on identifying effective negotiation strategies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78176 Workplace Dispute Resolution

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject builds onto the introductory theory and practice presented in the subject Dispute Resolution. This subject studies the significant changes in the past decade of both public and private sector dispute resolution processes and conflict management cultures. The supporting legislation for these cultural changes is also studied in relation to the opportunities offered to disputing parties to find satisfying solutions from both their own and their workplace perspectives.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78177 Converging Media Industries: Regulatory Challenges

8cp
Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Changes in technology and the growth of digital delivery have meant that established means of regulating the media are under strain because of innovation and changes in audience expectations and behaviour. Media regulation has traditionally been siloed and platform-based. Broadcast media are presently regulated by statute, the press by self-regulation, and online and digital media by little specific regulation at all.

Several recent inquiries have attempted to address this asymmetrical approach to media regulation in an increasingly converged environment. Media convergence changes the regulatory paradigm. The focus shifts from platforms to ubiquitous content and from regulating technology to serving the interests of audiences wherever they read, watch or listen. Audiences are no longer passive but interactive with their contributions forming part of the media's value proposition.

This subject explores the legal and regulatory consequences of a converged media space. If the existing media regulatory framework is now inadequate, what are the principles and practices whereby appropriate cross-platform regulation can be put in place? In this new converged world does the purpose and reach of regulatory intervention need review? Where appropriate, this subject makes use of comparative analysis with particular reference to the United Kingdom, Canada and New Zealand. By completing this subject a student is equipped to think and work in a converged media environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78178 Telecommunications Law and Regulations

6cp
Postgraduate

Telecommunications Law and Regulations provides an introduction to the law and regulation governing the provision of communications services and the operation of communications networks in Australia by companies such as Telstra, Optus, Vodafone and NBN Co, the entity responsible for building and operating the Government's promised super fast National Broadband Network. The subject explores the policy objectives behind the rules and the regulatory framework developed to achieve those goals.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78179 Telecommunications Law and Regulations

8cp
Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

Telecommunications Law and Regulations provides an introduction to the law and regulation governing the provision of communications services and the operation of communications networks in Australia by companies such as Telstra, Optus, Vodafone and NBN Co, the entity responsible for building and operating the Government's promised super fast National Broadband Network. The subject explores the policy objectives behind the rules and the regulatory framework developed to achieve those goals.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78180 Converging Media Industries: Regulatory Challenges

6cp
Postgraduate

Changes in technology and the growth of digital delivery have meant that established means of regulating the media are under strain because of innovation and changes in audience expectations and behaviour. Media regulation has traditionally been siloed and platform-based. Broadcast media are presently regulated by statute, the press by self-regulation, and online and digital media by little specific regulation at all.

Several recent inquiries have attempted to address this asymmetrical approach to media regulation in an increasingly converged environment. Media convergence changes the regulatory paradigm. The focus shifts from platforms to ubiquitous content and from regulating technology to serving the interests of audiences wherever they read, watch or listen. Audiences are no longer passive but interactive with their contributions forming part of the media's value proposition.

This subject explores the legal and regulatory consequences of a converged media space. If the existing media regulatory framework is now inadequate, what are the principles and practices whereby appropriate cross-platform regulation can be put in place? In this new converged world does the purpose and reach of regulatory intervention need review? Where appropriate, this subject makes use of comparative analysis with particular reference to the United Kingdom, Canada and New Zealand. By completing this subject a student is equipped to think and work in a converged media environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78181 Deceptive Trade Practices

6cp
Postgraduate

This subject examines deceptive trade practices law in Australia, including the meaning of trade and commerce, the meaning of misleading or deceptive conduct, and the remedies available where there has been misleading or deceptive conduct.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78182 Human Rights Law

6cp
Postgraduate

International human rights law seeks to address a range of contemporary issues in global politics, economics and society. While it draws on a long conceptual history of thinking through the rights of the human, this subject focuses more on the practical history and development of the current international human rights regime. Students become familiar with the substantive and procedural elements of international human rights law, and gain practical experience in debating the applicability of human rights instruments to specific situations. Students engage with a range of case studies which include consideration of the human rights issues raised by the Northern Territory Intervention, the Australian system of mandatory detention of those seeking to exercise their right to asylum, torture and ill-treatment, and corporations and human rights. The subject aims to provide students with a sophisticated appreciation of the wide range of issues that encompass human rights concerns; and to allow reflection upon the significance of international human rights law in order to develop an understanding of its usefulness, its limits and its future potential for emancipatory change.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78183 Global Aspects of Intellectual Property Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject considers the international framework of intellectual property law. Topics covered include the international institutions dealing with intellectual property (the World Trade Organization, World Intellectual Property Organization, International Union for the Protection of New Varieties of Plants and the United Nations), particularly considering their treaties and dispute mechanisms, bilateralism and the future of multilateralism in international intellectual property including the Australia-US Free Trade Agreement and emerging issues likely to affect international intellectual property over the coming years - health and access to pharmaceuticals, access to and protection of genetic resources and biodiversity, protection of traditional knowledge, the possibility of harmonisation and the digital agenda.

78184 Intellectual Property: Law and Policy

6cp

Postgraduate

This subject provides a comprehensive, in-depth and engaging examination of the legal principles of intellectual property (IP) law and the policy issues which inform the development of this law in Australia. It is designed as an introductory survey subject for graduates, practicing lawyers and students completing their first law degrees.

Each class considers a different form of intellectual property including copyright; designs; patent and trade marks law; passing-off and related actions; moral rights and performer's protection; as well as a consideration of the proposed protection indigenous cultural property. In addition, this subject touches on how to deal in IP, globalisation of IP and emerging issues in IP.

78185 Intellectual Property: Law and Policy

8cp

Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject provides an introduction and overview of the legal principles of intellectual property law and the policy issues which inform the development of this law in Australia. It is designed as an introductory survey subject for graduates, practicing lawyers and students completing their first law degrees. Classes consider the historical development of intellectual property subject matters, the international framework setting standards including the WIPO, WTO, and AUSTFA and the different forms of intellectual property including copyright, designs, patent, plant breeders protection, trade marks law, passing-off and related actions, moral rights and performers protection.

78186 Intellectual Property and Traditional Knowledge

6cp

Requisite(s): 77905c Preparing for Intellectual Property Practice

These requisites may not apply to students in certain courses. See access conditions.

Postgraduate

This subject considers the nature of traditional knowledge, how intellectual property in this area is protected under the Australian legal framework, and the development of strategies for its protection. The subject includes an overview of the international treaty framework, relevant Australian legislation and concerns for Australian Indigenous peoples such as appropriation of Indigenous arts and culture, language, spirituality, biodiversity, biotechnology, medicinal knowledge, film and music.

78187 Intellectual Property and Traditional Knowledge

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Recommended studies: students who have previously not completed a basic intellectual property subject are recommended to enrol in 78185 Intellectual Property: Law and Policy before this subject

Postgraduate

This subject considers the nature of traditional knowledge, how intellectual property in this area is protected under the Australian legal framework, and the development of strategies for its protection. The subject includes an overview of the international treaty framework, relevant Australian legislation and concerns for Australian Indigenous peoples such as appropriation of Indigenous arts and culture, language, spirituality, biodiversity, biotechnology, medicinal knowledge, film and music.

78188 Intellectual Property Commercialisation

6cp

Requisite(s): 78184 Intellectual Property: Law and Policy OR 77896 Legal Process and Intellectual Property Overview OR 77905 Preparing for Intellectual Property Practice

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Postgraduate

This subject covers much of the law and some of the business and economics of buying, selling and licensing intellectual property (IP). IP is a broad field, including patents, trade secrets, copyrights, semiconductor chip protection, trademarks, trade dress, Internet domain names, and rights of publicity.

Licensing of intellectual property takes many different forms in different types of businesses. Research and manufacturing businesses typically buy, sell and license technology, such as patents and trade secrets. They also may trade in copyrights (for example, in computer programs) and protected semiconductor chip designs. Multimedia licenses, such as those for films, video games, and multimedia websites, often involve a number of copyrighted properties, and virtually every business has a trademark or trade name that might or must be licensed and sometimes is sold (for example, in a merger or acquisition).

The subject discusses most, if not all, major types of businesses and their practices in buying, selling and licensing IP. It also touches on some of the basic principles of using IP as collateral or security for other transactions, for example, bank loans. No single subject, however, can cover all the nuances of law and practice affecting all of the industries that involve IP. This subject focuses primarily on technology licensing (of patentable inventions and trade secrets), but also discusses 'soft' IP, including such things as copyrights in literary and entertainment properties, websites and computer software and multimedia properties like video games.

The subject is interdisciplinary. About one-third of its substance explores the business and economic aspects of licensing, including the scope of a license, how licensors make money, and how business people estimate the economic value of IP and licensing rights. Another third discusses legal considerations in licensing, including relevant IP law, antitrust or competition law, involuntary licensing by operation of law, standing to sue and the problems of co-ownership, the problem of 'clearing' legal rights in IP, and selected issues in international practice, such as jurisdiction and enforcement. The final third involves practice or 'skills' training in drafting and negotiating licenses and getting a 'sense of the deal' in licensing transactions.

Much of the readings involve US law, with some European Union law included. Class discussion uses the readings as a spring board for discussing licensing in more general and international contexts, and students' using their own business and/or personal experience is encouraged.

78189 Intellectual Property Commercialisation

8cp

Requisite(s): (78185 Intellectual Property: Law and Policy AND 78100c Postgraduate Legal Research) OR (78203c Communications and Intellectual Property Law Overview AND 78185 Intellectual Property: Law and Policy) OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject covers much of the law and some of the business and economics of buying, selling and licensing intellectual property (IP). IP is a broad field, including patents, trade secrets, copyrights, semiconductor chip protection, trademarks, trade dress, Internet domain names, and rights of publicity.

Licensing of intellectual property takes many different forms in different types of businesses. Research and manufacturing businesses typically buy, sell and license technology, such as patents and trade secrets. They also may trade in copyrights (for example, in computer programs) and protected semiconductor chip designs. Multimedia licenses, such as those for films, video games, and multimedia websites, often involve a number of copyrighted properties, and virtually every business has a trademark or trade name that might or must be licensed and sometimes is sold (for example, in a merger or acquisition).

The subject discusses most, if not all, major types of businesses and their practices in buying, selling and licensing IP. It also touches on some of the basic principles of using IP as collateral or security for other transactions, for example, bank loans. No single subject, however, can cover all the nuances of law and practice affecting all of the industries that involve IP. This subject focuses primarily on technology licensing (of patentable inventions and trade secrets), but also discusses 'soft' IP, including such things as copyrights in literary and entertainment properties, websites and computer software and multimedia properties like video games.

The subject is interdisciplinary. About one-third of its substance explores the business and economic aspects of licensing, including the scope of a license, how licensors make money, and how business people estimate the economic value of IP and licensing rights. Another third discusses legal considerations in licensing, including relevant IP law, antitrust or competition law, involuntary licensing by operation of law, standing to sue and the problems of co-ownership, the problem of 'clearing' legal rights in IP, and selected issues in international practice, such as jurisdiction and enforcement. The final third involves practice or 'skills' training in drafting and negotiating licenses and getting a 'sense of the deal' in licensing transactions.

Much of the readings involve US law, with some European Union law included. Class discussion uses the readings as a spring board for discussing licensing in more general and international contexts, and students' using their own business and/or personal experience is encouraged.

78190 Patent Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Recommended studies: students who have previously not completed a basic intellectual property subject are recommended to enrol in 78185 Intellectual Property: Law and Policy before this subject

Postgraduate

This subject provides an understanding of the principles of patents and the patent system in Australia. Topics covered include subject matter, section 40 of the *Patents Act 1990* (specifications), infringement, inventorship, ownership and breach of confidence. Patents have been the subject of much controversy in recent times. Biotechnology challenges our traditional distinction between nature and invention; the health demands of developing countries come into conflict with the private interest of patent owners; the use of traditional knowledge of indigenous communities in biodiscovery processes can complicate the availability of patent protection; US pharmaceutical companies demand a greater role in determining what drugs should be available under Australia's Pharmaceutical Benefits Scheme; the computer software industry demands patent protection to supplement their rights in copyright; and in a growing number of cases patents can be granted for 'business methods'. In this subject, students are introduced to the law of patents - what is patentable subject matter, what are the threshold requirements of patentability, what level of disclosure is required to justify the grant of the patentee's monopoly rights, the rights of the patent holder, exploitation of patent rights, and actions for infringement. In addition, special issues relating to biotechnology patents and the international context in which Australia's patent law operates are considered. There is some attention to plant varieties rights and the use of the action for breach of confidence to protect trade secrets.

78191 Patent Systems

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78190 Patent Law) OR (78190 Patent Law AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Recommended studies: students who have previously not completed a basic intellectual property subject are recommended to enrol in 78185 Intellectual Property: Law and Policy before this subject

Postgraduate

The subject is designed to equip students with knowledge and skills appropriate to representing the interests of a client in the prosecution and maintenance of patent applications - including advising on the desirability of seeking patent protection and provision of alternative protection in Australia and other countries. Topics covered include types of patent applications; claiming priority; Patent Office practice; amendment practice; opposition; re-examination; the maintenance of patents and patent applications; extension of term; extension of time; revocation; treaties and conventions including the Patent Cooperation Treaty (PCT), the Paris Convention and the Budapest Treaty; searching; assignment; licensing; compulsory licenses; Crown use; restrictions on exploitation; circuit layout legislation and practice; plant protection legislation and practice; patentability in other countries (particularly with reference to New Zealand, the United States, European Union, People's Republic of China, Japan); and petty patents.

78192 Trade Marks Law

8cp; offered either by distance, requiring no attendance, or on-campus

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject provides an understanding of the principles of trade marks and the trade mark system in Australia. Topics covered include passing off and unfair competition, registrability issues, comparison of trade marks and assessment of deceptive similarity, ownership and authorship of trade marks, requirements of use in relation to trade marks, grounds of opposition, and infringement and post-registration maintenance of trade marks.

78193 Trade Marks Practice

8cp

Requisite(s): (78100c Postgraduate Legal Research AND 78192 Trade Marks Law) OR (78192c Trade Marks Law AND (46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Recommended studies: students who have previously not completed a basic intellectual property subject are recommended to enrol in 78185 Intellectual Property: Law and Policy before this subject

Postgraduate

This subject gives students an understanding of the practice and procedure in respect of trademarks in Australia and abroad, covering the filing of trademark applications and the examination, opposition and registration of them, as well as removal and cancellation. The

subject also provides an overview of international treaties and conventions and of the trademark practice and procedure in foreign jurisdictions such as New Zealand, Canada, the United States, various South Pacific countries, selected countries of Asia and the European Union.

78194 Designs Law and Practice

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: students who have previously not completed a basic intellectual property subject are recommended to enrol in 78185 Intellectual Property: Law and Policy before this subject
Postgraduate

This subject concentrates on the ability to advise and to handle the interests of a client in prosecution and maintenance of a design application, including advice on the desirability of seeking design protection and provision of alternative protection in Australia and overseas. Topics covered include registrability, newness, registration procedure, maintenance, office practice, third-party objection, infringement, expunction, copyright and international aspects of design practice.

78195 Copyright Law

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Recommended studies: students who have previously not completed a basic intellectual property subject are recommended to enrol in 78185 Intellectual Property: Law and Policy before this subject
Postgraduate

This subject covers the principles of copyright, the development of case law and the structure and ambit of the legislation. Students are required to develop a good working knowledge of the *Copyright Act 1968* (as amended), and associated regulations, and to have a sound knowledge of relevant case law.

78196 Insurance Law

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject looks at insurance from the perspective of a business buying insurance. It begins with risk management and, in the context of the function of insurance in risk management, considers the design of an insurance program and how business buys and sells insurance. The subject looks at the public regulatory regime governing the insurance industry, including products and markets. The approach examines in some detail the private law principles governing the relationship between insurer and insured, in particular the pre-contract matters of disclosure, terms on the risk and claims, and the structure and documentation of a typical policy. There is a focus on the main insurance principles: duty of utmost good faith, insurable interest, indemnity, subrogation, risk, non-disclosure, misrepresentation and cancellation of cover. There is material on the resolution of insurance disputes. The role of intermediaries, such as agents and brokers, is also examined. The subject concludes with case studies on the insurance market in crisis.

78201 International Development Law

6cp
Postgraduate

This subject aims at training international aid workers, NGO and international aid agency personnel and specialist legal practitioners for development. The subject focuses on a systematic study and analysis of the principles of development in developing, emerging, post-conflict and transitional economies. It examines the right to development and the role of international development assistance, legal aspects of international aid management, good governance and public accountability, principles of capacity development, human rights and community justice issues in the development process.

The subject explores the normative goals of economic development and the role of international law in facilitating development. The foundation of the subject is that international law as reflected in human rights and a strong commitment to international standards for the rule of law is an essential pre-condition for economic and social development and for achieving human security.

The subject is practical in orientation. However, it also involves studies and critical appreciation of social, gender and moral theories that underpin concepts in international law and impact on development.

78202 International Development Law

8cp
Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject aims at training international aid workers, NGO and international aid agency personnel and specialist legal practitioners for development. The subject focuses on a systematic study and analysis of the principles of development in developing, emerging, post-conflict and transitional economies. It examines the right to development and the role of international development assistance, legal aspects of international aid management, good governance and public accountability, principles of capacity development, human rights and community justice issues in the development process.

The subject explores the normative goals of economic development and the role of international law in facilitating development. The foundation of the subject is that international law as reflected in human rights and a strong commitment to international standards for the rule of law is an essential pre-condition for economic and social development and for achieving human security.

The subject is practical in orientation. However, it also involves studies and critical appreciation of social, gender and moral theories that underpin concepts in international law and impact on development.

78203 Communications and Intellectual Property Law Overview

8cp

This foundational subject provides non-law graduates with an overview of the key legal areas relevant to the communications law program. It introduces the key current legal principles and topics generally covered by the areas of media law, broadcasting and telecommunications law, and intellectual property law, providing students with a foundational knowledge to enable them to pursue the more specialised subjects offered in the program.

The subject is compulsory for non-law graduates and recommended for law graduates who do not have a background in media, communications, or IP law. Law graduates considering enrolling in this subject who are not enrolled in the Master of Communications Law (C04242) (see page 416) or Graduate Certificate in Communications Law (C11217) (see page 513) are advised that this subject is not suitable if they already have a background in media, communications, and/or IP law. The subject also includes a component on the Australian legal system and legal method designed for non-law graduates.

78204 Legal Perspectives on the Internet

8cp

Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject covers a range of legal issues which face challenges because of the internet's ubiquity and global reach. It enables students to see the interplay of media law, communications law, and intellectual property as legal and regulatory solutions are sought for online situations and the impact on freedom of expression.

78205 Regulatory Issues in the Broadband Environment

8cp

Requisite(s): 78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject provides students with an awareness of the legal and regulatory problems which may arise as broadband, and in Australia, the National Broadband Network, become more firmly established as a viable alternative platform for traditional media-type content. The subject is dynamic so that topics are built around current case-studies or contemporary issues. Each case study or issue provides an opportunity for students to assess the legal implications posed and to reflect on potential solutions. At each issue, the subject examines the impact it would have on established media and communications, and/or intellectual property, policy and legal principles.

78206 International Organisations

6cp

Requisite(s): ((70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77885c Legal Process and Legal Research OR 60 credit points in C04148 Master of Law and Legal Practice)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

The proliferation of intergovernmental and non-governmental organisations is one indicator of the internationalisation of social life and the interdependence of states in the early 21st century. This subject examines the principal legal issues concerning organisations composed of states. These include the legal status and powers of organisations, membership and participation, norm-creation, dispute settlement, enforcement of decisions, peace and security activities and finally the organisations' privileges and immunities as well as their legal status and powers under national law.

At the same time, the subject addresses real-world problems such as the creation of international criminal courts, the 'succession' of Russia to the USSR's seat on the UN Security Council, the response to the break-up of Yugoslavia, the jurisdictional issues in the Lockerbie-case, the possibility of judicial review of acts of the UN Security Council, the success of WTO dispute settlement, NATO action against Serbia in 1999, the military intervention in Afghanistan and Iraq in the aftermath of 9/11 and the UN administration of Kosovo and East Timor.

Primary consideration is given to the development of the United Nations. Other universal organisations such as ILO, the Bretton Woods institutions, WTO or ICAO, as well as regional ones such as the Council of Europe, the EU and others are also dealt with. This subject does not try to provide a comprehensive picture of all of these organisations, rather it aims at helping students understand the common legal problems faced by international institutions.

78207 International Organisations

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

The proliferation of intergovernmental and non-governmental organisations is one indicator of the internationalisation of social life and the interdependence of states in the early 21st century. This subject examines the principal legal issues concerning organisations composed of states. These include the legal status and powers of organisations, membership and participation, norm-creation, dispute settlement, enforcement of decisions, peace and security activities and finally the organisations' privileges and immunities as well as their legal status and powers under national law.

At the same time, the subject addresses real-world problems such as the creation of international criminal courts, the 'succession' of Russia to the USSR's seat on the UN Security Council, the response to the break-up of Yugoslavia, the jurisdictional issues in the Lockerbie-case, the possibility of judicial review of acts of the UN Security Council, the success of WTO dispute settlement, NATO action against Serbia in 1999, the military intervention in Afghanistan and Iraq in the aftermath of 9/11 and the UN administration of Kosovo and East Timor.

Primary consideration is given to the development of the United Nations. Other universal organisations such as ILO, the Bretton Woods institutions, WTO or ICAO, as well as regional ones such as the Council of Europe, the EU and others are also dealt with. This subject does not try to provide a comprehensive picture of all of these organisations, rather it aims at helping students understand the common legal problems faced by international institutions.

78208 Taxation of Commercial Enterprises

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

The Australian legal framework allows for commercial enterprises to be structured in a number of ways. Correspondingly, the Australian taxation system provides for different taxation treatment for different commercial enterprise structures. This subject assumes that students have undertaken at least an undergraduate taxation subject, with the content in this subject building upon that knowledge. The subject examines the taxation provisions applying to the most common of the commercial enterprise structures, being sole traders, companies, partnerships and trusts. The subject additionally examines the restrictions and limitations that operate to prevent taxpayers exploiting these different tax treatments to avoid a taxation liability.

78209 Taxation of Commercial Enterprises

6cp

Requisite(s): 76212 Revenue Law OR 60 credit points in C04148 Master of Law and Legal Practice

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

The Australian legal framework allows for commercial enterprises to be structured in a number of ways. Correspondingly, the Australian taxation system provides for different taxation treatment for different commercial enterprise structures. This subject assumes that students have undertaken at least an undergraduate taxation subject, with the content in this subject building upon that knowledge. The subject examines the taxation provisions applying to the most common of the commercial enterprise structures, being sole traders, companies, partnerships and trusts. The subject additionally examines the restrictions and limitations that operate to prevent taxpayers exploiting these different tax treatments to avoid a taxation liability.

78210 Law and Literature

6cp

Requisite(s): 60 credit points in C04148 Master of Law and Legal Practice

These requisites may not apply to students in certain courses. See access conditions.

This subject approaches important questions from jurisprudence, philosophy and legal theory through a consideration of law's relationship to literature. Lectures relate key cases of the last hundred years to key works of literature, indicating ways in which we might think of the relationship between law and literature. Students engage in a rigorous process of reading and discussion that includes some of the most fascinating and thought provoking literary works of the last century, including works by Franz Kafka, Toni Morrison, Truman Capote and Harper Lee. Using these texts students think about questions of justice related to central problems and traumas of recent times: the Holocaust, the death penalty, slavery and the Stolen Generations.

Students develop important skills in critical thinking and writing as part of these investigations, and their own deep responses to the following questions. What is justice, and how do law and literature provide different answers to justice? What is the law's relationship to violence? How does the law regulate the individual's relationship to their community? How are moral questions addressed by the law? In what ways can it be said that literature judges the law, and what might we do with these judgments?

Postgraduate students focus on a number of modules within the overall subject structure, but may attend and participate in all modules.

78211 Law and Literature

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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Students develop important skills in critical thinking and writing as part of these investigations, and their own deep responses to the following questions. What is justice, and how do law and literature provide different answers to justice? What is the law's relationship to violence? How does the law regulate the individual's relationship to their community? How are moral questions addressed by the law? In what ways can it be said that literature judges the law, and what might we do with these judgments?

Postgraduate students focus on a number of modules within the overall subject structure, but may attend and participate in all modules.

78212 Communications and Technology: A Primer

6cp

Requisite(s): ((70115 Perspectives on Law AND 70120 Legal Method and Research) OR 77885 Legal Process and Legal Research)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject provides an interdisciplinary overview of key aspects of the broader environment affecting policy and regulation of communications and technology. The subject is designed to:

- equip students with an understanding of the economic, security, legal and technological aspects which are integral to the development of policy and regulation
- give students the confidence to undertake other aspects of the elective program, and
- enhance their professional knowledge and effectiveness.

The subject draws upon expertise across a range of disciplines and is suitable for students from legal and other disciplinary backgrounds. Students are encouraged to bring their own professional and disciplinary experience to the discussions.

The subject is delivered by leading practitioners and policy advisors within the area.

78213 Communications and Technology: A Primer

8cp

Requisite(s): (78100c Postgraduate Legal Research OR 78203c Communications and Intellectual Property Law Overview OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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- equip students with an understanding of the economic, security, legal and technological aspects which are integral to the development of policy and regulation
- give students the confidence to undertake other aspects of the elective program, and
- enhance their professional knowledge and effectiveness.

The subject draws upon expertise across a range of disciplines and is suitable for students from legal and other disciplinary backgrounds. Students are encouraged to bring their own professional and disciplinary experience to the discussions.

The subject is delivered by leading practitioners and policy advisors within the area.

78214 Finance Law

6cp

Requisite(s): (78101c Postgraduate Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject considers the legal framework within which commercial enterprises raise debt finance. Various forms of secured and unsecured finance are considered, including project and asset financing arrangements and securitisation. Methods for protecting unsecured loans are also covered including negative pledge lending, guarantees and debt subordination agreements. The subject also provides a detailed examination of the new Personal Property Securities Act 2009 (Cth). Key aspects of tax and insolvency law as well as cross border issues are also discussed.

78215 Finance Law

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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78216 Competition Law in a Global Context

6cp

Requisite(s): ((78101 Postgraduate Legal Research OR 77885 Legal Process and Legal Research)) OR (70115 Perspectives on Law AND 70120 Legal Method and Research)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject provides a comprehensive and in-depth examination of the economic and legal principles of international competition law and policy, as well as the current enforcement regime of competition laws internationally. A comparative overview of the principles underlying competition regulation and policy in the United States, Europe, Australia, Japan and China is provided. Current issues and recent cases on global competition lawmaking and enforcement are also examined. The instructor does not assume students have had previous exposure to competition law in any of these jurisdictions, or to the study of economics.

The subject covers:

- an overview of international competition law and policy, including the reasons for examining competition law in a global context, and major theories and strategies for harmonising and enforcing competition laws internationally. Both convergence and divergence approaches are introduced.
- the major international bodies and treaties which deal with international competition rule-making and law enforcement, including existing and ongoing international efforts to cooperate in competition law and policy. Both advantages and limits of these authorities and international regulations are examined.
- a comparative overview of the principles underlying competition regulation and policy in the United States, Europe, Australia, Japan and China, including the economic and political backgrounds of different jurisdictions and the substantive laws and policies of each country. The main fields of competition law raising international concern are examined, such as: concentration; cartel and other horizontal restraints; vertical restraints; and other anti-competitive practices.
- some current issues on international competition law, including: the nexus of intellectual property and competition; external enforcement (cartel); the interface between competition and trade policy, including national security / interest review regimes; and strategies for establishing a more balanced multi-level competition law system (moves to uniformity of competition laws internationally).

78217 Competition Law in a Global Context

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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- some current issues on international competition law, including: the nexus of intellectual property and competition; external enforcement (cartel); the interface between competition and trade policy, including national security / interest review regimes; and strategies for establishing a more balanced multi-level competition law system (moves to uniformity of competition laws internationally).

78218 Animal Law and Policy in Australia

6cp

Requisite(s): ((78101c Postgraduate Legal Research OR 77885 Legal Process and Legal Research)) OR (70115 Perspectives on Law AND 70120 Legal Method and Research)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject examines the effectiveness of existing regulation in Australia with respect to animal welfare. Topics covered include: consideration of animals in the context of morality, science and the law; the historical development of animal law as well as an overview of animal regulation in Australia; the prevention of cruelty; and the legal status of animals. The material is presented against the backdrop of the animal welfare and rights debate, encouraging students to consider and evaluate whether the current regime fosters accountability and ethical standards. In order to appraise Australia's regime more effectively, the subject also includes consideration of two topics at international and comparative levels. The first relates to advances in animal welfare introduced by the European Union, and the second relates to the impact on animal welfare by the rules of the international trade law regime, as typified by the World Trade Organization. The subject is designed to provide students with a sound understanding of the fundamentals of animal law including its application to companion animals, farm animals, wild animals and animals in laboratories.

78219 Animal Law and Policy in Australia

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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Organization. The subject is designed to provide students with a sound understanding of the fundamentals of animal law including its application to companion animals, farm animals, wild animals and animals in laboratories.

78220 Commercial Equity

6cp

Requisite(s): (78101 Postgraduate Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject considers the interplay between legal issues that commonly arise during complex commercial disputes. The subject examines the role that equitable doctrines, particularly fiduciary obligations, play in common commercial situations. The reach of equitable doctrines and their relationship with contractual, tortious and statutory duties are considered within a series of commercial scenarios involving company executives, professional agents and advisers, commercial trusts, joint ventures and partnerships. The subject discusses the role of commercial law in a practical and realistic commercial context.

78221 Commercial Equity

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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78222 Law of Slavery and Human Trafficking

6cp

Requisite(s): ((78101 Postgraduate Legal Research OR 77885 Legal Process and Legal Research)) OR (70115 Perspectives on Law AND 70120 Legal Method and Research)

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Slavery and human trafficking are transnational crimes. This subject comprehensively explains and evaluates international and domestic responses to slavery and human trafficking within an international law and human rights framework. While the subject addresses international law, it does so with an appreciation of the practical application of the law. The subject draws students to a critical evaluation of the state's responsibility to protect and support, and develop effective criminal justice responses. Areas covered include: the legal definitions; the international legal framework; the intersection between migrant worker exploitation, slavery and trafficking; the gender implications of slavery; trafficking and refugee law; and trafficking as a crime against humanity. State responsibility at international law is reviewed to develop a sound knowledge of the state's obligations to protect and support as well as to promote the application of effective remedies. An effective domestic and international criminal justice response is critical in the development of a framework to prevent trafficking and ensure prosecution of transnational crimes. The dimension of slavery and trafficking — the link between such transnational crimes, economic opportunities, substandard working conditions and migration — is explored. Vulnerability to trafficking, the issues of demand and the supply chain, and corruption are addressed, as well as compliance standards, monitoring mechanisms and the role of civil society. Finally, the course concludes with consideration of a body of international literature which is critical to the implementation of anti-trafficking measures.

At the end of the course, students are expected to have a deep understanding of the principles of international law and their application within the Australian domestic context. Students also gain sophisticated insight and understanding of the application of international law through a comprehensive evaluation of selected areas of law.

78223 Law of Slavery and Human Trafficking

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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At the end of the course, students are expected to have a deep understanding of the principles of international law and their application within the Australian domestic context. Students also gain sophisticated insight and understanding of the application of international law through a comprehensive evaluation of selected areas of law.

78224 International Trade Law and the Environment

8cp; distance

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

The trade and environment debate conceals the problematic relationship between two legitimate interests of the international community. This subject introduces students to the significant interface between international trade liberalisation and the environmental imperative of ecologically sustainable development.

Initially the subject provides an overview of the frameworks of international trade law and environmental law and an insight into the philosophical underpinnings of both institutions. The subject considers the important role of developing countries in shaping the trade/environment debate.

The subject considers the obligations imposed by the World Trade Organization (WTO) including the Agreements on Food Safety Standards, Technical Barriers to Trade and the Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPS). The scope and operation of environmental exceptions that have been the subject of recent trade environment disputes in the WTO provide valuable insights into the area. The position of multilateral environmental agreements and the WTO is considered along with the serious implications for developing countries.

Particular specialty areas of concern are covered including ecolabelling, invasive species and intellectual property issues.

Upon completion of this subject students should be able to understand and analyse the current relationship between trade and environment, reflect in an informed manner on the future of the protection of the environment in the multilateral trade and investment regime and be able to critically assess the prospects for future harmonisation of global free trade regimes and ESD principles.

78227 Financial Services Law and Compliance in Australia

6cp

Requisite(s): (78101 Postgraduate Legal Research OR (70115 Perspectives on Law AND 70120 Legal Method and Research))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Financial services is one of the fastest growing sectors of the Australian economy. Following an extensive review, Australia has put in place an overarching system for regulating all financial services, replacing a system that was based on separate regulation of products in individual industries. This is an essential subject to understand this new regime, focusing on the implications of the new system for retail clients as financial citizens, and addressing the regulatory structure and legislative framework, including the new regulatory bodies. Licensing requirements for entering the financial services market and the new obligations for marketing or offering financial services to the public are also examined.

On completion of this subject, students should have developed an understanding of the law governing the regulation of financial services transactions; the effect of financial services law and other related legislation on particular financial services issues; and particular aspects of financial services law in depth.

78228 Financial Services Law and Compliance in Australia

8cp

Requisite(s): (78100c Postgraduate Legal Research OR ((46 Credit Points in spk(s): C04236 Juris Doctor OR 46 Credit Points in spk(s): C04250 Juris Doctor Master of Business Administration)))

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

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On completion of this subject, students should have developed an understanding of the law governing the regulation of financial services transactions; the effect of financial services law and other related legislation on particular financial services issues; and particular aspects of financial services law in depth.

78229 Disability and the Law

6cp

Requisite(s): 78101 Postgraduate Legal Research

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject explores disability and impairment as a legal category. Students are introduced to the various competing models of disability including: the medical model, the social construction model, the human rights model and bioethical, feminist and postmodern approaches to disability. In so doing, the subject takes an interdisciplinary and international comparative approach to conceptions and theories of disability and impairment. Students examine the practical implications of these models for the construction of legal rights and responsibilities with respect to persons with disabilities in a number of key areas of law. These include health law, tort law, criminal law, international law and anti-discrimination law. Specific issues examined include: treatment-limiting decisions for newborns, constraints on reproductive decision making, abortion for disability, end of life decision making; the therapy / enhancement distinction and body modification, the UN Declaration of Human Rights, the UN Declaration of the Rights of Disabled Persons and various state and federal anti-discrimination legislation. Key issues that students need to examine are the concepts of normal and disabled, healthy and diseased and able-bodied and impaired. This subject examines and evaluates how law can best achieve the goals of social justice and equality for individuals with disabilities.

78230 Disability and the Law

8cp

Requisite(s): 78100 Postgraduate Legal Research

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject explores disability and impairment as a legal category. Students are introduced to the various competing models of disability including: the medical model, the social construction model, the human rights model and bioethical, feminist and postmodern approaches to disability. In so doing, the subject takes an interdisciplinary and international comparative approach to conceptions and theories of disability and impairment. Students examine the practical implications of these models for the construction of legal rights and responsibilities with respect to persons with disabilities in a number of key areas of law. These include health law, tort law, criminal law, international law and anti-discrimination law. Specific issues examined include: treatment-limiting decisions for newborns, constraints on reproductive decision making, abortion for disability, end of life decision making; the therapy / enhancement distinction and body modification, the UN Declaration of Human Rights, the UN Declaration of the Rights of Disabled Persons and various state and federal anti-discrimination legislation. Key issues that students need to examine are the concepts of normal and disabled, healthy and diseased and able-bodied and impaired. This subject examines and evaluates how law can best achieve the goals of social justice and equality for individuals with disabilities.

78231 Commercial Trade and Transport Law

8cp

Requisite(s): 78100c Postgraduate Legal Research OR 77697c Higher Degree Research Seminar

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject examines the various sources of law that govern and impact upon the trade and transport of goods to and from Australia. The first part covers commercial maritime law. Topics examined include an overview of international trade processes; Australia's trade and transport industry; the international and Australian sources of law that regulate commercial shipping activities; maritime law concepts on the ownership, financing and arrest of ships; maritime transport documentation including bills of lading and charter parties; sources of liability; liability limitation; and marine insurance. The second part covers commercial aviation law. Topics examined include the international and Australian sources of law regulating the carriage of goods by air and aviation insurance. The subject concludes by examining recent international developments relating to the multimodal transport of goods.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78232 Mining Law and Regulation

8cp

Requisite(s): 78100c Postgraduate Legal Research OR 77697c Higher Degree Research Seminar

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject examines the various Australian laws and regulations that govern and impact upon investment in the mining industry. Topics examined include: the history, development and current status of mining regulation in Australia; key mining law concepts - such as the ownership of minerals, mining tenements, mining claims, and the regimes for the payment of royalties; the State and Territory licensing regimes governing mineral exploration and extraction; and the laws governing investment across the life cycle of mining operations (exploration, set up of mining operations, extraction of minerals, the sale and export of minerals, and the sale of mining assets). This includes the relevant provisions of the *Corporations Act 2001* (Cwlth) relating to corporate fundraising (Ch 6D) and mergers and acquisitions (Ch 6); the *Foreign Acquisitions and Takeovers Act 1975* (Cwlth); the ASX Listing Rules, and the JORC Code for the Reporting of Mineral Resources and Ore Reserves. The subject also examines the use of joint venture structures in the mining industry.

Other issues examined include native title, environmental law considerations, infrastructure access, the regimes for the onshore and offshore extraction of petroleum and gas, and the legal framework for dispute resolution. The subject concludes by briefly examining some of the current issues impacting on the Australian mining industry such as carbon taxing and trading, and the proposed Mining Resources Rent Tax.

The subject involves a comparative consideration of the laws across the Australian states and territories and is not limited to New South Wales.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78233 International Commercial Arbitration

8cp

Requisite(s): 78136 Dispute Resolution

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject aims to present a thorough and transnational approach to understanding the key principles and practice of International Commercial Arbitration. The subject examines the importance of arbitration as a process for resolving international commercial disputes; the legislative and institutional context for international commercial arbitration; the conduct of arbitration and the relevant legal and practical issues at each stage of the process, including challenges to and enforcement of arbitral awards. The subject also aims to develop an in-depth knowledge of conducting research in this topic area and development of skills related to legal writing in this field.

Typical availability

Autumn semester, City campus

Spring semester, City campus

78234 Common Law Legal Traditions

6cp

This subject provides the bridge between the civil law and the common law. It is a comprehensive subject aimed at lawyers from countries with civil or dual civil and common law legal systems. It opens with expert tuition and practical exercises in the research skills and methodology of the common law. The topics covered include primary and secondary sources of the common law; the development of the common law; courts and lawyers; the spread and reception of the common law; law finding in the common law; contract law in the common law; public law and the common law; and business transactions in the common law.

78235 Justice

6cp

This subject asks the questions: 'what is justice?', 'what is the just decision?' and 'what does law have to do with justice?'.

The concept of 'justice' is integral to the operation of our legal system, the practice of law and, as legal professionals, our contribution to the different communities in which we live and work. This subject aims to explore the question 'what is just?' through the lens of traditional and contemporary theoretical approaches to justice including: divine command, natural law, utilitarianism, libertarianism, positivism, egalitarianism, desert and the Rawlsian idea of fairness, critical race, feminist, environment, global and poststructural perspectives.

Together with this grounding in the conceptualisation of justice in a legal framework, students also engage with the question 'what is just?' in the context of particular cases and case studies. These opportunities to apply the frameworks and theoretical approaches vary between semesters and are drawn from a wide range of possibilities such as: tax, patenting human genes, exporting live animals for slaughter, compensation or access to justice.

78236 Environmental Ethics

6cp

The subject explores those systems and processes that concern environmental and ecological justice. What types of justice issues, for example, stem from government decisions to orchestrate the operation of high risk or pollutant industries in areas inhabited by disadvantaged communities? How do populations in a developing country obtain justice when a multi-national corporation poisons the drinking water? Environmental justice originally focused on distributive justice, or in the context of environmental law, the distribution of environmental risks and benefits among humans. The notion, however, quickly extended to include matters concerning capacity, recognition and procedural justice. Linked to, but separate from, environmental justice is ecological justice, that focuses on the claims of non-humans to their place in nature and their portion of the world's resources. This part of the subject links ecological justice theory to environmental criminology and examines issues such as over-fishing and laws relating to wildlife smuggling.

Overlaying these concepts is the notion of environmental ethics that considers the nature and extent of normative restraints that should inform human interactions with the living and non-living components of the environment. The subject examines these issues, against the backdrop of the role of law in enforcing and protecting environmental rights and responsibilities. Examples and readings are widely drawn, including from international law, and comparative case studies.

78237 Law and Place

6cp

Questions of place and placement rest in the background of almost all the important questions of law. The concern with place touches on the location or site of law (where?, from where?), as well the ways of living with law (who?, whose?), and by what means (how?). The common law tradition – taught in this law school – offers both an account of place (the territory of Australia) and the means of living with law (authority to act lawfully, arrangement of public and private obligations and rights, relations of property, etc.). Concentrating on questions of place through an engagement with critical and jurisprudential languages of law, this subject provides students with the means of navigating different ways of thinking about the place of law in the world.

An essential part of the study of law is jurisprudence. This subject introduces students to questions of place by engaging with an emerging field of jurisprudence known as 'law and geography'. Through close readings of pivotal texts in legal theory, students are introduced to key concepts in law and geography, which are then explored through case studies addressing current debates about the place of law, both nationally and internationally. In exploring this important issue of place, topics such as jurisdiction and the problem of authority are examined in case studies such as Guantanamo Bay, Antarctica, Christmas Island, Aboriginal sovereignty or the death of Osama bin Laden. By critically reflecting on the place of law in the world, and learning to notice the role of law in the making of the world, the aim of this subject is for students to master a conceptual language of jurisprudence.

78238 History and Theory of Intellectual Property

6cp

This subject covers selected topics in the history and theory of intellectual property. It gives students a background in the historical development of the areas of copyright, patents, trademarks and trade secrets law, as well as approaching important questions from jurisprudence, philosophy and legal theory in light of their application to intellectual property law.

Students engage in reading and discussion of key texts in the fields of property theory, law and economics and natural rights theory. Through selected case studies, students consider how the law has developed, the effects of social, cultural and political factors, as well as the application of legal theory to aspects of legal doctrine. Students develop important skills in critical thinking and writing as part of these investigations and in formulating their own responses to questions such as: Is intellectual property really 'property'? How long should intellectual property rights last? What is the relationship between intellectual property law and creativity or innovation? Is intellectual property infringement the same as 'theft' or 'piracy'?

The aim is for students to develop their theoretical and historical understanding of law by reference to the dynamic and contested field of intellectual property.

78239 International Feminist Perspectives

6cp

Feminist critiques of the theory and practice of law have revealed that legal doctrine and procedures are not gender neutral and that law actually creates and perpetuates inequality. This subject explores feminist insights into how law is gendered through an examination of key concepts, including the public/private divide, sameness and difference, and the category 'woman'. Drawing on international feminist theoretical frameworks, including Western (North America/European) and South Asian perspectives, this subject explores the application of feminist critique to key areas of legal regulation, including family and reproduction, employment and discrimination,

violence against women, colonialism and immigration. The subject investigates feminist contributions to law reform as well as critical theoretical perspectives which fundamentally question the transformative power of law. The subject aims to assist students to develop skills in critical thinking and to question assumptions that underlie legal education and practice.

78240 Western Legal Theory

6cp

This subject provides students with a holistic appreciation of the Western legal environment by studying a collection of ideas concerning the nature of the law. This subject deals with theoretical questions that are relevant to an understanding of the notion of law (e.g. what is the law of the state?, is there any other command, convention or the like that can also be called 'law'?). It also includes a discussion of different approaches to the study of law (e.g. philosophical, sociological, historical, analytic, international, comparative) to determine its derivation, nature and function, as well as a discussion of the doctrines and techniques of legal analysis and evaluation. The various approaches are compared and criticised in the context of sociopolitical problems, conflicts and other phenomena. Topics include sovereignty and the law, legal rights and duties, and law and ideology. Their treatment in the common law is examined.

78241 Reading the Law: Language, Power and Ideology

6cp

Language is of central importance to the law; indeed, there would be no law without language. Court judgments, legislation and legal proceedings employ specific linguistic forms. In many legal cases, there are issues of interpretation and ambiguity, such as in relation to the words in a conversation, a term in a contract or a provision in a statute. The legal profession recognises the importance of language, particularly oratory skills, legal argument and reasoning, as well as the use of plain language. As an institution, the law is even regarded as having its own register that students must master, referred to as 'legalese'.

This subject aims to assist students to reflect on the relationship between language and the law. Students are equipped with a number of linguistic theories including sociolinguistics, critical discourse analysis, narrative theory and semiotics. Using these theories, students critique a range of texts, such as police interviews, contracts, legislation, court trial transcripts and judgments.

Students are introduced to theories about the relationships between language, power and ideology in the law. How lawyers, judges and other legal players construct important concepts, such as consent, provocation, intention and the 'reasonable person', are examined. Students analyse how language affects issues of justice, fairness and equality, as well as how the law is structured by class, gender, race and culture, and explore how poor English language skills may lead to disadvantage in the legal system.

78242 Property Rights and the Environment

6cp

This subject explores the intersections between property rights and the environment in three ways. First, property rights in natural resources, such as coal seam gas, water and genetic material, are explored. Second, the relationship between property rights and environmental change, such as the protection of private property from coastal erosion, and from major flooding and fire events, is considered. Third, the intersection of property rights and environmental law is examined, for example prohibitions on clearing vegetation on private land, conservation covenants and compensation for acquisition of property rights through the operation of environmental law. From ground-breaking case law of Australian Courts to legal, political and scientific scholarship; from policy development to media coverage, this subject provides students with the breadth of perspective encompassing the political, economic, scientific and social aspects of the topic of property and the environment. From this broad perspective, students are invited to select one issue identified in the subject material (or their own topic) through which they can develop their research skills culminating in a major in-depth report. Teaching in the subject explicitly focuses on the development of professional research skills. Students are encouraged to write up their research to a level suitable for submission to peer-reviewed journals for consideration for publication.

78243 Advanced Trusts Law

6cp

This subject builds on the fundamental aspects of trusts law covered in compulsory equity and trusts core subjects by engaging in a detailed examination of the use of trusts across a range of commercial enterprises, including property trusts, managed investment schemes and superannuation trusts. The rights, duties and liabilities of trustees are considered together with the rights and liabilities of beneficiaries of different types of trusts. Variations of trust documents and the indemnification of trustees are examined. The liability of third parties dealing with trustees is considered. An overview of taxation and superannuation regulations relevant to the commercial use of trusts is also provided.

78244 Mergers and Acquisitions Law

6cp

This subject examines the law relating to takeovers of public companies and publicly listed trusts. The subject also covers mergers involving schemes of arrangement under the Corporations Act 2001 (Cth). Key issues relating to regulated acquisitions, acquiring a relevant interest prior to a takeover, disclosure of substantial shareholdings and defensive tactics are considered. The role and powers of the Takeovers Panel during contested acquisitions is examined. Particular issues relating to a range of regulated industries such as telecommunications, broadcasting and financial services as well as foreign investment rules relating to mergers and acquisitions are also discussed. Consequential actions involving compulsory acquisitions and capital restructuring are considered. The role and duties of bidding and target directors is a particular focus of the subject.

78245 Public Health Law

6cp

Public health law is an active and expanding area of legal practice in areas such as environmental health, food law, and the control and prevention of communicable disease.

Students learn: the history of public health law in Australia; the role of international treaties in public health; the different theories and philosophies that have strengthened public health; the tensions between the promotion and protection of the public good and the infringement on human rights; the use of law as a mechanism to protect public health; and the current trends and future directions in public health lawmaking both internationally and in Australia.

Key topics taught include:

- diseases of lifestyle (tobacco control, obesity, alcohol abuse)
- emergency preparedness (pandemics and acute threats)
- HIV and sexual health
- screening programs
- environment protection and public health
- Indigenous Australians and public health.

Students study and participate in discussions on recent case studies in public health law. Students are also encouraged and expected to critically evaluate the effectiveness of public health laws and their underlying aims of protecting and promoting health.

78246 Work Law

6cp

In this subject students survey Australian work law by examining relevant law, policy and theory. Work law is an important component of studies in the legal regulation of commerce. Students examine the key aspects of Australian work law pertaining to the rights, entitlements, liabilities and obligations of employers and workers in the workplace, especially those determining the pay and conditions of workers. Practical and theoretical perspectives on the relevant common and statute laws regulating work are examined. As far as possible, these laws are examined with reference to underlying policy. In relation to statute law, given the extensive coverage of Commonwealth workplace relations legislation, there is a focus on analysing amendments to that legislation. The extent to which Australian work law meets the aspirations of work law theories and policy perspectives is discussed.

78247 Collaborative Law

6cp

Collaborative law is a clear indication that the dispute resolution field has now entered a second generation of processes which require appropriate education for law students, social scientists and financial professionals to competently participate in an evolving form of advocacy.

This subject examines and contextualises the emerging practice of collaborative law and the associated interdisciplinary and multi-disciplinary process models in the Australian family law system. Students gain an appreciation of the trans-disciplinary development of the lawyer's role to participate in these processes and the refocusing of legal practice from lawyer-focused to client-centred. Students study the collaborative law process framework to gain a clear understanding of the requisite roles, functions and skills for all participants.

Both Australian and international developments are studied, as well as the complexities arising when teams of professionals are brought together to provide an holistic service for clients.

The subject is offered in two two-day blocks to accommodate both theoretical and experiential learning experiences.

78248 Privacy and Surveillance: Law and Policy

6cp

Privacy and surveillance regulation features prominently in contemporary public debate in Australia. It is controversial, dynamic and challenging. This subject explores key legal and policy issues arising in this space. Specifically, it investigates various dimensions of privacy including invasion of personal privacy, data protection and retention, and surveillance of personal conversations, activities and locations. It also tackles emerging issues and challenges prompted by the advent of new technologies, including online privacy protection, anonymity/pseudonymity and the right to be forgotten. This necessitates travelling through disrupted legal terrain, formed by a complex mix of common law and statute as well as federal and state/territory laws. It also calls for students to engage with a range of relevant perspectives, views and interests. Understanding of key issues is further deepened by interrogating the wider contexts in which privacy and surveillance law and policy operate and are informed, including theoretical, constitutional, ethical and international contexts. The subject also exposes students to a myriad of ethical dilemmas associated with privacy and surveillance, and enhances their capacity to develop strategies to address such issues.

78249 Privacy and Surveillance: Law and Policy

8cp

Privacy and surveillance regulation features prominently in contemporary public debate in Australia. It is controversial, dynamic and challenging. This subject explores key legal and policy issues arising in this space. Specifically, it investigates various dimensions of privacy including invasion of personal privacy, data protection and retention, and surveillance of personal conversations, activities and locations. It also tackles emerging issues and challenges prompted by the advent of new technologies, including online privacy protection, anonymity/pseudonymity and the right to be forgotten. This necessitates travelling through disrupted legal terrain, formed by a complex mix of common law and statute as well as federal and state/territory laws. It also calls for students to engage with a range of relevant perspectives, views and interests. Understanding of key issues is further deepened by interrogating the wider contexts in which privacy and surveillance law and policy operate and are informed, including theoretical, constitutional, ethical and international contexts. The subject also exposes students to a myriad of ethical dilemmas associated with privacy and surveillance, and enhances their capacity to develop strategies to address such issues.

78296 Postgraduate Exchange Subject 1

6cp

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law postgraduate options at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available at:

www.uts.edu.au/international/exchange

78297 Postgraduate Exchange Subject 2

6cp

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law postgraduate options at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available at:

www.uts.edu.au/international/exchange

78298 Postgraduate Exchange Subject 3

6cp

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law postgraduate options at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available at:

www.uts.edu.au/international/exchange

78299 Postgraduate Exchange Subject 4

6cp

International exchange offers students the option to complete part of their study in another country and receive credit towards their degree at UTS. UTS: Law participates in the UTS international exchange program that is administered by UTS: International Studies. Under the program, law students have the opportunity to undertake three or four law postgraduate options at an exchange partner university. Applicants for exchange must have their study at the exchange partner university approved by UTS: Law. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Subjects of an international or comparative nature are preferred. Further information is available at:

www.uts.edu.au/international/exchange

78723 Research Dissertation 1 (Law)

24cp

For subject description, contact UTS: Law.

78724 Research Dissertation 2 (Law)

24cp
Requisite(s): 78723 Research Dissertation 1 (Law)
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Law.

79004 Environmental Law and Science

6cp
Requisite(s): 91102 Animal Function and Diversity OR 91123 Biocomplexity
Undergraduate

This subject introduces the science student to concepts of environmental law and the interface between environmental law and science. It establishes a foundation for the subject 79023 Environmental Forensic Law, and it complements subjects in environmental management by setting out the legal framework which supports the management of natural resources at both a federal and state level. This subject also introduces students to legal research.

Typical availability

This subject is offered in odd years only.

79006 Intellectual Property Commercialisation

6cp
Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law
Undergraduate and Postgraduate

This subject aims to provide a comprehensive survey of much of the law and some of the business and economics of commercialising and licensing intellectual property (IP) rights. The scope is interdisciplinary, exploring the business and economic aspects of IP licensing and investment in IP development in the context of a detailed legal framework for IP licensing and investment. It includes consideration of relevant IP laws, competition law, compulsory and voluntary licensing, contract and consumer laws, and selected issues in international practice. Moreover, the subject involves practical skills training in drafting and negotiating licenses as well as practice-focused exercises that give students a better sense of the deal-making process in licensing transactions both in Australia and abroad.

The subject is in three parts. Part I explores the connection of IP and economic development, and provides a comprehensive survey of major IP laws, such as copyright, patent, confidential information, trademark, and domain name. Part II discusses possible business structures for commercialising IP and other special laws related to IP commercialisation, such as the enforcement of completion law, contract law and consumer law in the IP area. Part III involves practice or skills training in negotiating and drafting licenses and getting a 'sense of the deal' in licensing transactions.

79011 Marketing Law

6cp
Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law
Undergraduate

The aim of this subject is to provide students with a sound knowledge of the relevant federal and state laws that affect business decisions in the field of marketing and to provide them with an understanding of the complex laws regulating marketing activities. Topics covered include consumer protection, product liability, product safety and standards, intellectual property, the regulation of competition, and risk assessment and compliance strategies.

79013 Industrial and Labour Law

6cp
Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law
Undergraduate

Industrial and labour law is an important component of studies in the legal regulation of business. This subject is designed to introduce undergraduate non-law students to Australian industrial and labour law by examining relevant law, policy and theory. In light of the now extensive coverage of the federal labour law system, this subject focuses on that federal system and the underlying common law principles of employer and employee rights and obligations. Students are introduced to the key aspects of industrial and labour laws which govern employers and workers in the workplace. Both practical and theoretical perspectives are offered on the industrial and labour law system as it operates, and is changing, within Australia. The extent to which Australian industrial and labour law meets the aspirations of various labour law policy perspectives is discussed.

79014 Applied Company Law

6cp
Undergraduate

This subject is designed to provide students with a sound understanding of fundamental aspects of company law and regulations as they apply to the modern company. Emphasis is given to the way company law has developed to reflect the realities of carrying on a business relationship in a changing society.

Topics covered include an introduction to partnership law, registration, corporate constitution, promotion and pre-incorporation, company membership, duties of controlling shareholders, the raising of equity and debt, companies in difficulty, officers' duties, accounts and audit.

79015 Banking Law

6cp
Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law
Undergraduate

This subject aims to provide students with an understanding of the manner in which banking institutions are regulated, dealing with the changes following the deregulation of banking. Topics covered include: a historical introduction to the law relating to banking and to relevant principles; the statutory regulation of banking; the banker-customer relationship; negotiable instruments; and the provision of loans and other banking facilities.

Attention is drawn to the wide range of services currently offered by trading banks and to the wide range of institutions currently offering services of the same kind. There is ongoing discussion of current developments in the area.

Students are expected to develop sufficient working understanding of the areas of law to which they are introduced to be able relevantly to advise in the resolution of problems and the planning of strategies.

The law of contracts and the law of torts is of particular relevance to the subject, but no expertise is required in any other discipline: all necessary concepts and terms are explored in the classroom. Students are encouraged to ask questions whenever the territory seems unfamiliar: discussion in class greatly facilitates individual learning, not only by students but also by the lecturer.

79017 Taxation Law

6cp
Undergraduate

This subject aims to develop students' conceptual and analytical skills and an appreciation of the Australian tax system. It provides a general analysis of the current tax system and consideration of the many changes it is presently undergoing. The course looks at the *Income Tax Assessment Act 1936* and the *Income Tax Assessment Act 1997*, the Tax Law Reform Project and the New Tax System. Particular concepts to be considered include income and capital, assessable income, allowable deductions, capital gains tax, fringe benefits tax, goods and services tax, trusts, partnerships, tax accounting, tax planning and anti-avoidance provisions.

79018 Advanced Commercial Law

6cp
Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law
Undergraduate

This is a valuable elective for any business student, especially those working in or wishing to work in a business environment involving interaction with legal advisers and with managers mindful of their legal obligations.

An initial practical focus in this subject is to refresh and enhance students knowledge of contracts and some other areas impacting upon business which were relatively briefly covered in the requisite subject.

The rest of the subject is intended to develop knowledge and understanding of areas of law relevant to the modern business environment, such as sale of goods, consumer protection, agency and negotiable instruments.

Students are expected to develop sufficient working understanding of the areas of law to which they are introduced to be able relevantly to advise in the resolution of problems and the planning of strategies.

Aside from the requisite, no other expertise is required; all necessary concepts and terms are explored in the classroom. Students are therefore encouraged to ask questions whenever the territory seems unfamiliar: discussion in class greatly facilitates individual learning, not only by students but also by the lecturer.

79019 Corporate Environmental Responsibility

6cp
Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law OR 70120 Legal Method and Research OR 70105 Legal Research
Undergraduate

As a field of study, environmental law deals with the rules, relationships, systems and processes by which environmental protection is achieved. The process of environmental protection or sustainability involves multiple stakeholders of which corporations

are but one. Corporate environmental responsibility focuses on the role that corporations can play in environmental protection and the responsibilities that are now attaching to corporations to encourage sound environmental practice.

This subject examines environmental law issues as they relate to corporations focusing at the national and state levels but looking at comparative examples where appropriate. It analyses climate change as a driver for corporate environmental change.

Topics covered in the subject include:

- international environmental law as it relates to multinational corporations
- the concept of ecologically sustainable development and the application of the precautionary principle and the principle of intergenerational equity
- criminal and civil liability of directors and corporate officers
- managing risk
- drivers of corporate social responsibility, examining issues of corporate disclosure and reporting and socially responsible investment
- corporate case studies in areas chosen from natural resources management, water or waste management, or pollution
- regulatory and non-regulatory methods of enforcement and responsibility such as environmental audits, due diligence, taxes and tradeable permits
- the role of corporations in climate change and greenhouse gas emission reduction.

79021 International Aspects of Australian Taxation Law

6cp

Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate

This subject focuses on aspects of international tax planning. Although topics vary from time to time, they could include an analysis of the concept of residence and source of income, taxation of multinational staff, the taxation of offshore royalties, the operation of double tax arrangements, transfer pricing and anti-avoidance provisions and international tax planning.

79022 GST and other Indirect Taxes

6cp

Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate

This subject examines the goods and services tax (GST) and its effect on the Australian tax system. It analyses overseas experience with other indirect tax systems and examines the basic principles of current indirect taxes in Australia and their practical implications. Besides looking at the implementation of the GST, the subject also looks at the flow-on effect for existing taxes such as payroll tax, sales tax, land tax and stamp duty.

79023 Environmental Forensic Law

6cp

Requisite(s): 79004 Environmental Law and Science OR 79203 Business Law and Ethics

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

Undergraduate

Environmental forensic scientists use a range of tools including chemical characterisation to biological markers to determine where environmental pollution has occurred, how it has occurred and who is responsible. This subject examines how this evidence can be used in court and students will learn how to develop the scientific case for identifying the responsible parties.

Typical availability

This subject is offered in odd years only.

79026 Estate Planning (UG)

6cp

Undergraduate

This subject introduces students to the Australian estate planning regime, providing an understanding of the requirements of the regime and the impact of those requirements and opportunities on the financial planning process. The subject takes both a theoretical and practical approach to the area of estate planning.

79027 Retirement Planning (UG)

6cp

Undergraduate

This subject introduces students to the Australian retirement planning process, providing an understanding of the requirements of the process and the impact of those requirements and opportunities on financial planning strategies.

79028 Complex Forensic Cases (Law for Biology)

6cp

Requisite(s): 91139c Complex Forensic Cases (Biology)

This subject deals with the legal issues involving forensic science in the field, and the impact of scientific evidence on the legal system. Students receive training in the preparation of reports and in the presentation of evidence in court. Significant cases involving the application, interpretation and admissibility of forensic science in the Australian justice system is examined in detail. The subject is studied under the following broad topic areas: introduction to the legal system; the role of the expert; the rules of evidence; the *Crimes (Forensic Procedures) Act 2000* (NSW); the importance of expert evidence in legal cases; and the role of advocacy.

The subject aims to provide an understanding of:

- the legal and practical issues relating to forensic science
- the impact of forensic science on the legal system, and
- the admissibility requirements in relation to forensic science evidence.

79031 Employment and Industrial Law

6cp

Postgraduate

This subject is designed to introduce non-law students to the law regulating work in Australia. Employment and industrial law is an important component of studies in the legal regulation of commerce. Students are introduced to the key aspects of employment and industrial laws which determine the rights, entitlements and responsibilities of employers and workers in the workplace. Both practical and theoretical perspectives on the law regulating work are examined. Given extensive legislative activity by the Commonwealth Parliament in the area of work law, the *Fair Work Act 2009* (Cwlth) as amended is analysed.

79032 Competition and Consumer Law

6cp

Requisite(s): 79203 Business Law and Ethics OR 70110 Introduction to Law

These requisites may not apply to students in certain courses.

There are also course requisites for this subject. See access conditions.

This subject provides a comprehensive and engaging examination of the economic and legal principles of competition law (also known as antitrust law or restrictive trade practices law) and consumer law (also known as deceptive trade practices law) in Australia. It examines statute law, Part IV and Schedule 2 of the *Competition and Consumer Act 2010* (Cwlth) (CCA) (formerly the *Trade Practices Act 1974* (Cwlth) (TPA)), the decisions of the common law courts in interpreting the Act, as well as some international treaties on antitrust and consumer law enforcement, of which Australia is a party. Current issues and recent cases on competition and consumer laws and policies in Australia are also examined.

The subject covers the economic functioning of markets; the relationship between the competition and consumer laws (including both statute law and common law) and economics; the evolution and objectives of Australian competition law and consumer law; and the administration and enforcement of competition law and consumer law, both nationally and internationally.

This subject includes three parts. Part I focuses on competition law. It covers the evolution of competition law; the legislative feature of the Australian competition law; major anti-competitive conduct in Part

IV of the CCA, such as monopolistic agreements, misuse of market power, mergers/acquisitions; and enforcement issues in Australia, including authorisation and notification regimes, remedies and other related matters. Part II focuses on consumer law. It covers the policy objective of consumer law; general prohibitions in Schedule 2 of the CCA, such as misleading or deceptive conduct, unconscionable conduct, and unfair contract terms; as well as enforcement issues. Part III examines major international treaties on consumer protection and competition enforcement, and some major international cases in which Australia is involved.

79033 Insolvency Administration

6cp

This subject provides students with legal knowledge needed to assist business, concerning the protection and regulation of insolvent individuals and corporations. Students examine the legal procedures involved in insolvency law (such as bankruptcy petitions, lodging proofs of debt and distribution of insolvent estates) as well as the impact of insolvency upon stakeholders such as employees, unsecured creditors, and individual and corporate players. Particular emphasis is placed on the various methods of administering insolvent estates including discussing powers of insolvency administrators, voluntary administration, liquidation and the rights of creditors.

79603 International Business Transactions and the Law

6cp

Requisite(s): (79203 Business Law and Ethics OR (76006c Public International Law AND 70110 Introduction to Law))

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate

This subject introduces students to those legal rules which affect traders doing business where there is an international element involved. It focuses on matters relating to the formulation of contracts in international business transactions; the law relating to the international carriage of goods; payment in relation to such transactions; currency matters; the resolution of disputes and the enforcement of judgments where litigation occurs with an international element.

79606 Advanced Taxation Law

6cp

Requisite(s): 79017 Taxation Law

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate

This subject builds on the understanding obtained in previous study. It focuses on a deeper analysis in relation to a number of taxation issues including the taxation of companies, trusts and partnerships, further capital gains tax issues, aspects of international taxation, tax administration, and tax planning, with a consideration of anti-avoidance and ethical issues in tax planning.

79708 Contemporary Business Law

6cp

Postgraduate

This subject provides students with an understanding of the legal system and a knowledge of a range of legal topics that are of practical relevance to business law. It provides timely information on recent developments in areas including commercial contracts and trade practices legislation, consumer protection, business structures and intellectual property.

79771 Dispute Resolution

6cp

Requisite(s): 60 credit points of completed study in C04148 Master of Law and Legal Practice

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Postgraduate

This subject is an introduction to the philosophy, theory and practice of an area of increasing importance in all professions, business and government. Dispute resolution processes are now integrated into the adversarial framework as well as being applied to an ever-widening range of private and public situations. This emerging practice of professional dispute resolution both within and outside the legal profession is the framework for the central topics in this subject. The topic areas covered in this subject include:

- an introduction to the theories and philosophy of dispute resolution
- an overview of the development of the range of dispute resolution practice in both the legal system and generally
- an introduction to negotiation and mediation theory
- conflict theory
- the relevance of personal style in dispute resolution processes
- communication theory and skills requisite for dispute resolution processes
- issues of power, culture and participation in dispute resolution processes
- ethics and standards.

The subject is taught in intensive mode with an emphasis on experiential learning. Student assessment focuses on a written research paper on a topic of their choice with a presentation to the class of the essential concepts explored in the research. The focus of this subject is interdisciplinary and draws upon the professional expertise and experience of the class.

Typical availability

Autumn semester, City campus

80027 Photographic History and Theory

6cp

Core

Undergraduate

The subject provides a contextual framing for understanding photography as a technology and visual medium for the production of images in culture. Students are introduced to models of vision since the Renaissance that have shaped, and also rendered problematic, the understanding of perception and image making. Photography as a technology and medium is introduced within this context, and also differentiated from techniques and technologies that preceded it historically. In this subject major theorists of photography are introduced, and their differing perspectives canvassed. Through an introduction to the relationships between still and moving photography, digital and analogue technologies are introduced and different camera technologies and image production are also explained within their historical context.

Typical availability

Autumn semester, City campus

80028 Independent Project: Designed Outcome

12cp

Core

Undergraduate

The two honours year Independent Projects can be thought of jointly as a major project, commencing with conceptual development and culminating with a designed outcome. The project can be theoretical, historical, cultural, critical or practical in nature, either by written, photographic, interactive, multi-modal, situated or other specialisation, developed in conjunction with the supervisor. A researched approach and critical thinking are vital ingredients for any medium. Thus this subject involves the materialisation, practice or fabrication of the designed outcome, focusing largely around the project, its reflective and critical documentation. This culminates in an exhibition, installation, or written submission as befitting the specialisation.

Typical availability

Spring semester, City campus

80029 Independent Project: Conceptual Development

12cp

Core

Undergraduate

The two honours-year Independent Projects, can be thought of jointly as a major project, commencing with conceptual development and culminating with a designed outcome. The project can be theoretical, historical, cultural, critical or practical in nature, either by written, photographic, interactive, multi-modal, situated or other specialisation, developed in conjunction with the supervisor. The conceptual development subject establishes the goals, methods,

materials, context and critical literature review relevant to the project and the student develops appropriate metrics for evaluation and critical review, according to specialisation.

80030 Research Methods

12cp
Core
Undergraduate

This subject introduces methodologies for research and evaluation, usability, appraisal, critical comparison and reflective writing, as relevant to a diversity of disciplines and interdisciplinary areas. The subject equips the student with a wide range of methods suitable for structuring and thinking critically from a researched context about design, that may range from a theoretical, historical and conceptual research approach to applied, practice-based and project-centred projects. Its content may be oriented towards the student's successful written and project components of the honours degree.

80031 Graduation Exhibition

12cp
Core
Undergraduate

Occurring in the student's final semester, the graduation exhibition forms the culmination of the student's program of study. This provides the opportunity for students to undertake the production of a major work, or series of related works in a collection/series, in addition to documentation of the context, creation and motivation for the work. The production of photographic/designed outcomes enables students to focus upon a medium or media of preference/specialisation from conception through to public presentation. Such works may take the form of photographic, situated media, mixed modality, collaborative interdisciplinary, sound or music works displayed as performance, installation, exhibition, physical artefacts or spatial environments.

Typical availability

Spring semester, City campus

80032 Pervasive and Convergent Media Research Project

6cp
Core
Undergraduate

Grounding one's own creative practice in critical and constructive review of other's work, the context, philosophies, literature, culture and of ones own and others work, lends gravity and depth to practical artistic and design outcomes. This subject investigates pervasive and convergent media as the vehicle for developing research through documentation and written outcomes. Students who plan to progress in their chosen field or continue their studies have explicit requirements for research skills, critical thinking, review and written expression. This subject is designed to work with existing as well as explore innovative forms of research. While the development of research skills is essential to this subject, assessment outcomes are negotiable, to facilitate both traditional research outcomes as well as practical research projects, underpinned by structured writing/documentation.

Typical availability

Spring semester, City campus

80033 Professional Practice: Photography

6cp
Option
Undergraduate

This subject introduces students to a variety of views and critiques of professionalism in the field of photography including: the roles and responsibilities of the creative professional; case studies of practice/studios; business management and planning; preparation for and modes of employment; legalities and liabilities; the ethical professional; the client/creative professional relationship; existing and emerging work practices in the industry; the role of professional bodies; exhibiting and licensing. Topics are covered through site visits, guest lectures, workshops and where possible and/or appropriate short-term work experience placements.

80034 Physical and Tangible Media Interfaces for Design Expression

6cp
Option
Undergraduate

Physical computing and tangible interfaces are comparatively modern genres of pervasive computing. Both are motivated by the desire to move computing and digital activities away from the desktop and desk-bound experience, and to instead explore their seamless integration into our daily lives. This subject explores existing and emergent conduits for interacting with sound and image. Students examine the implications for them as artist/designers and their design activities, in new emerging technologies. Of particular import to this subject is an examination of the point of interface or intersection with the consumer/audience/user. Hence this subject addresses the recent history, theory and context of physical and tangible computing as it impacts on design and expression through sound, image, tactility and transformation.

Typical availability

Autumn semester, City campus

80035 Photographic Artifice

6cp
Requisite(s): 80067 Photographic Context 1
Option
Undergraduate

This subject explores the role of photography in representing entirely fictitious and artificial scenarios. This involves building shots up from scratch in the blank space of the studio where total control of light, composition and arrangement can be managed. Emphasis is placed on pre-shoot conception and art direction and the use of studio facilities to achieve a desired outcome. This subject further explores studio lighting techniques, specifically multi-light set ups using studio flashes. Students are encouraged to use the photographic format/medium of their choice but in consideration of their pre-nominated output media.

Typical availability

Spring semester, City campus

80036 Situated Media Real Time Technology

6cp
Core
Undergraduate

This subject provides the technical and experimental learning context for students to develop fluency with object-oriented visual programming environments and interfacing, through basic operational, sound and video/image software and the exploration of real-time environments through new technology.

The objective of this subject is to ground students in the capabilities of specific software, encouraging an inventive, exploratory approach to constructivist learning and to help students cultivate fluency and confidence with the basic paradigms of operation and processing. This is done through project-based learning, through students' exploration of techniques and their integration into actual and alternate physical environments for real-time responsiveness and the situating of media.

Typical availability

Autumn semester, City campus

80037 Situated Media Culture and Context

6cp
Requisite(s): 80027 Photographic History and Theory
Core
Undergraduate

This subject forms an introduction to the study of the history, theory and interpretations of situated media. With particular reference to situated media's responsiveness to location, cultural, social and physical context, the subject encourages students to reflect upon and communicate its situation and medium. Through lectures and tutorials, students investigate the emerging discourses of sensory anthropology and urbanism, challenging the historic hegemony of vision as well as the cultural influences and impacts of media integration through an examination of the historical approaches taken in works of art, media and design that explore, interpret or challenge their situation and whose impact is governed by the situating of the medium in a particular spatial experience.

Access conditions are available in the individual subject descriptions in the online handbook.

Typical availability

Spring semester, City campus

80038 Photographic Intervention

6cp
Core
Undergraduate

This subject involves an exploration of photography as a means of consciously intervening in and interpreting the social world as a narrative source. This is done through the exploration and photographic interpretation of the spaces and places people create and inhabit and their relationship to them, through the guise of environmental portraiture. Emphasis is placed on the conscious construction of meaning across still image sequences through subtle techniques of art direction and the manipulation of available light sources. This subject introduces the basic principles of digital photography including file formats, image resolution, colour temperature, contrast control, digital workflow practices, and shooting for various digital output media.

Typical availability

Autumn semester, City campus

80041 Dissertation

12cp
Core
Undergraduate

The dissertation is a substantive body of written work, designed to complement the independent project component of the honours degree. While its content is determined individually, its fundamental aim is to situate the research area within historical, comparative literature and related works. This is done through the investigation of appropriate methodologies for criticising, comparing and evaluating the medium such as usability evaluation for interaction, aesthetics in photography, etc. Based on the individual students negotiation of the structure of their honours year, student's proposed aim, philosophy or theoretical context and method for developing the designed outcome of their independent project may interact with or inform the subject of their dissertation.

Typical availability

Autumn semester, City campus

80042 Photography and Seeing Light

6cp
Undergraduate

This subject explores light as fundamentally plastic, or manipulable, through a combination of studio practice, technical theory and photographic history. The manner in which light can be controlled to create different moods and atmospheres and the impact this has on the communicative aspects of the photograph is a central feature of study. Students further develop their understanding of lighting contrast ratios through the use of a range of ambient and studio flash light sources as well as explore a variety of lighting techniques.

Typical availability

Autumn semester, City campus

80046 Smart Object Studio

12cp
Requisite(s): ((80065 Design Studio: Photographic Intervention AND 80066 Design Studio: The Digital Image) OR 50846 Situated Media Installation Studio)
Core
Undergraduate

This studio subject is designed to enable cross-disciplinary collaboration through the examination and development of 'smart objects'. This could involve for example, the development of playful and intelligent applications, smart objects with practical and marketable applications, objects with energy awareness, sensing systems or devices designed to adapt to/suit users and their behaviour. Students collaborate to examine the potential for imbuing objects with new audio, visual and mechanical capabilities by transforming the experience of using objects and devices. For the photographer or sound and music designer, this studio enables a useful fusion of modalities and re-situates passive (unresponsive), static media or time-based (fixed) media in a paradigm of user-centred, dynamic and responsive interaction, by challenging students to re-think and re-invent ways of communicating through physical experience.

Typical availability

Spring semester, City campus

80048 Photographic Manipulation

6cp
Core
Undergraduate

This subject explores the way photographic techniques and lighting can be used and manipulated to transform the photographic representation of the world 'as it is found' to one that is pre-conceived. This involves the exploration and manipulation of actual locations and settings as well as an introduction to studio scenario building. Emphasis is placed on pre-shoot conception and art direction as well as the use and manipulation of mixed available and studio light sources. It introduces the principles of lighting contrast ratios, studio flash photography, and medium format film and digital cameras.

Typical availability

Spring semester, City campus

80063 Professional Practice: Situated/Interactive Media

6cp
Option
Undergraduate

This subject introduces students to a variety of views and critiques of professionalism in the field of situated media including: the roles and responsibilities of the creative professional; case studies of practice/studios; business management and planning; preparation for and modes of employment; legalities and liabilities; the ethical professional; the client/creative professional relationship; existing and emerging work practices in the industry; the role of professional bodies; documenting situated media; exhibiting and seeking funding. Topics are covered through site visits, guest lectures, workshops and where possible and/or appropriate short-term work experience placements.

Typical availability

Autumn semester, City campus

80064 Interaction-based Designing

6cp
Core
Undergraduate

This subject addresses the history and practice of interactive design. The historical component of the subject focuses on the period from the invention of the cathode ray tube to the dawn of personal computing. This period contains the origins of many technologies that are now ubiquitous. The practical component of the subject is centred around a series of assessable exercises intended to introduce students to fundamental design skills.

Typical availability

Autumn semester, City campus

80065 Design Studio: Photographic Intervention

12cp
Undergraduate

The subject involves an exploration of photography as a means of intervention and interpretation of society as a reflective process. Students' photographic interpretation, both of urban space/place and its creation/inhabitation, is understood through the guise of environmental portraiture. Through techniques of art direction and the manipulation of available light sources, students learn how to construct meaning across still image sequences. This subject introduces the principles of camera and darkroom work in black and white photography. Students are introduced to the basic principles of composition, 35mm manual SLR camera functions, film exposure, development and print enlargement.

Typical availability

Autum semester, City campus

80066 Design Studio: The Digital Image

12cp

Requisite(s): 80065 Design Studio: Photographic Intervention AND 50846 Situated Media Installation Studio

Undergraduate

This subject explores contemporary digital imagery with particular emphasis on professional and experimental photography. Through a range of creative digital practices, photography is examined and its cultural context articulated. Central to the studio are the conceptual and practical implications of the digital medium and the associated implications of an image-focused contemporary culture.

Students are expected to utilise skills and conceptual processes they have gained in previous subjects to support the theoretical and practical aims of the subject. This subject introduces digital image manipulations, publication design, post-production, and distribution through print, web and other forms of electronic and analogue media.

Typical availability

Autumn semester, City campus

80067 Photographic Context 1

6cp

Undergraduate

This subject investigates and examines photography's cultural positioning, both in a contemporary and historical context through a series of lectures by contemporary photographers, artists, writers, curators, and theorists who address 'the image' and its production. Framed through social, political, gender and aesthetic approaches, it aims to extend the student's critical thinking and ability to engage in a focused dialogue, round-table discussion and critique through interaction with invited guests and tutors. Students are supported in developing a theoretical and/or aesthetic foundation for the production of their own work and an ability to critically engage in the contemporary photographic discourse, and to situate their own work accordingly.

Typical availability

Autumn semester, City campus

80068 Photographic Context 2

6cp

Requisite(s): 80067 Photographic Context 1 AND 80035 Photographic Artifice

Further information is available from UTS: Design, Architecture and Building.

80214 Locative and Sensor Design Technologies

6cp

Requisite(s): 80064 Interaction-based Designing AND 50846 Situated Media Installation Studio

Option

Undergraduate

This subject allows students to specialise in the application of locative and sensor technologies. Locative and related technologies include GPS and other positioning systems, and location awareness through networks and locative devices. Designing with locative technologies requires an understanding of technical protocols, infrastructure and the social, contextual and cultural features that make this technology interesting and relevant in design. Sensor technologies include motion, proximity, climatic condition, bio-data and numerous other sensor types. Like locative technologies, sensors provide information that is sensitive (potentially public or private), real time and contextual. Students examine technical mechanisms for using these technologies, strategies for mapping sensor output to display or interaction, interaction for affecting information and modifying experience, as well as evaluative methodologies for appraising human interaction with designs, including the social causes and motivations for applying locative and sensor enabled design.

Typical availability

Spring semester, City campus

81000 PhD Thesis: Design

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

81511 Problems to Possibilities

8cp

In this first subject of the combined degree, students engage in a creative series of practical activities that bring them to a broad understanding of creative intelligence and innovation as a field of practice. This subject enables students to gain firsthand experience of the nature of today's open, complex, dynamic and networked problems. They are challenged to analyse problem situations from multiple perspectives and to integrate these findings in ways that lead to new possibilities. In the process, students develop and hone their skills in team collaboration, visualisation, modelling, representation and presentation.

81512 Creative Practice and Methods

8cp

This subject focuses students on understanding how design practices, processes and methods lead to innovation. Students create propositions in a collaborative environment, shape processes of discovery and exploration, generate solutions, develop visual literacy in dealing with complexity, and create frameworks for criticising and judging propositions. Built on values such as risk-taking and inquisitiveness, students' research, analytical and creative practices are supported by their development of skills for effective communication of concepts and ideas. Students challenge their own ideas for building and running a creative practice through undertaking a central project for an external partner.

81513 Past, Present, Future of Innovation

8cp

In this subject, students explore the nature of invention and innovation in the various fields of their core degrees. Through special projects (such as What would Buckminster Fuller do now?) students are provoked to examine the conceptual, methodological and empirical patterns of innovation leaders, and apply them to major contemporary issues. In this way, students develop insights into the cultural and social contexts of innovation in the past and present, and in the speculative future. Through the use of techniques such as scenario building, forecasting, backcasting and technology roadmapping, a diverse history of ideas is spanned to explore possible futures.

81514 Creativity and Complexity

8cp

In this subject students probe the nature of a range of complex dynamic systems. In the process they explore ways to understand these systems including the use of natural language, mathematics, and multiple techniques for visual and temporal mapping. Through undertaking a series of projects, students are challenged to creatively and rigorously test key qualities they have identified in various complex dynamic systems.

81515 Leading Innovation

8cp

This third year subject situates innovation leadership/creative intelligence as a practice within the fields of students' core degrees. The nature of innovation and the ways it is attained in professional fields are made explicit. This in-depth knowledge enables students to strategically address a variety of major challenges in a competitive format. Their project outcomes are exhibited and judged by a panel.

81516 Initiatives and Entrepreneurship

8cp

In this subject, students' abilities to shape initiatives are situated in real-world contexts. Students consider and select the contexts in which to shape their innovation proposals. For example, a student may want to innovate by conceiving of and building a new context (entrepreneurship, e.g. in a start-up company) or by recognising an opportunity within existing organisational structures (intrapreneurship, e.g. in a non-government organisation). In the process, students develop a keen understanding of the transformation required to create and implement innovation, with a sensitivity to the creative processes required, e.g. shedding old ideas for new ones. They are also required to build networks, negotiate, operate with diplomacy and act ethically. Through interviews, site visits and a hands-on project, students gain insights into shaping environments in which trans-disciplinary practices can thrive and develop.

Access conditions are available in the individual subject descriptions in the online handbook.

81521 Envisioning Futures

6cp

In this subject, students are challenged as a group to organise a public forum or symposium on innovation leadership/creative intelligence, selecting and inviting distinguished guests to discuss critical developments in different fields and engage in trans-disciplinary discussions. This large public event results in an edited book and various other media (website, blogs, etc.) relating to students' professional fields.

81522 Innovation Internship A

6cp

Active engagement in the context of practice takes shape in this subject through an internship (exploring the possibilities and challenges of intrapreneurship) or through the development of a speculative start-up (exploring entrepreneurship). Both of these options result in (business) plans outlining how to achieve innovation.

81523 Speculative Start-Up

6cp

For further details, contact UTS: Creative Intelligence and Innovation.

81524 Professional Practice at the Cutting Edge

6cp

In this subject students are challenged to reflect on their abilities and position themselves relative to challenges and/or trans-disciplinary challenges related to the field of their core degree. As a result, students produce a clear and coherent digital portfolio of their work and a mapping of their anticipated development path into the future. Students' current individual expertise and missions can be expressed in different ways, for example, through a TED talk format where students pitch their achievements and proposals.

81525 Innovation Internship B

6cp

Further active engagement in a practice context takes shape through an internship, preferably with an international partner organisation. Of particular note is the rich network of adjunct professors at UTS who can play a crucial role in forging such internship possibilities. Students map their own individual development path and, in consultation, align it with learning outcomes they set for the internship.

81531 Innovation Capstone: Research and Development

12cp

In this first of two capstone subjects, students are challenged to prepare their final project, positioning it relative to challenges and/or trans-disciplinary challenges related to the field of their core degree. Once the project set-up is accepted, students transition into initial research and concept development. Towards the end of the semester students present their initial ideas and proposed path to proof-of-concept to a panel of specialists in the field.

81532 Innovation Capstone: Realisation and Transformation

12cp

In the second of the two capstone subjects, students work towards a proof-of-concept of their proposed innovation and map out the path towards realisation. This includes a critical understanding of both the transformation required to make this happen, as well as a vision of the new possibilities attendant implementation of the innovation.

81821 Thesis (Design)

0cp

Further information on this subject is available from UTS: Design, Architecture and Building.

Typical availability

Autumn semester, City campus

Spring semester, City campus

82120 Animation Studio: Foundations in Animation Language

12cp

Research and re-imagining

Primary research through observational drawing, photography, film, and sound recording are key elements in the creative process in this subject. Students are taken through a varied program of observational drawing classes, visual research, story telling and problem-solving projects designed to introduce them to a wide range of possibilities within animation. These short projects introduce them to a diverse range of research methods, which feed directly into their creative outcomes. Students learn to record and collect information and imagery, and then to apply this to their work in imaginative ways. Secondary research, through the exploration of existing art, design, media and culture – not just animation – is also an essential component. Inspiration and information should be found in the most varied and unlikely places. Emphasis is placed on the development of a clear, original and thorough approach to research, ideas generation and character design.

82121 Context: 2D Animation Introduction

6cp

The objective of this area of study is the development of core animation skills, the fundamental principles that underpin performance based animation. The focus is on 2D character animation, human mechanics, movement physics and timing. Students acquire these animation skills through a number of exercises using hand drawing, Flash and After Effects.

82220 Animation Studio: Foundations in Animation Design

12cp

This subject advances students' knowledge and skill in the development of both narrative and non-narrative forms of animation. Students build upon their experience during first semester with a continuing emphasis on primary research through direct observation, photography, film and sound. Studio based projects focus more on the production of animation sequences as final outcomes, and there is a strong emphasis on experimentation and risk-taking throughout. It also expands on themes around building narratives for animation through the making and analysis of analogue and digital sequences.

Further emphasis is placed on developing sophisticated visualisation skills in a wide range of hand made and digital media. Issues such as composition, colour theory, camera framing and movement, visual space and hierarchy are also explored in greater depth.

Students begin to work closely with text in relation to character and story, both generating original written material and analysing existing texts. The research methods explored in this subject further equip students to observe and invent compelling characters and archetypes for moving image.

This subject also explores further the construction and function of team-working models, including appropriate roles, time management and action plans, negotiation, and communication. Projects include a range of team based and individual tasks to identify capabilities and extend creative possibilities within the group.

The aim is the development of a design and movement language that incorporates a clear understanding of animation both as traditional narrative form and as an open-ended experimental and abstracted language. Students learn how to conceptualise intention, atmosphere, mood and genre in order to develop a critical understanding of the language of visual communication and animation media.

In addition, this subject increases students' knowledge of the history and theory of animation, with a particular emphasis on the study of genre. This includes animation production techniques, animation styles and formats, experimental animation, text and image sequences, as well as a study of centres of production such as European, North American and Asian animation.

82221 Context: 3D Animation Introduction

6cp

This subject introduces students to theories and practices of 3D CGI for animation. It is primarily a skill-based subject, focused on understanding the basic technical fundamentals of animation as expressed through industry standard 3D software. Students in this subject learn the fundamentals of 3D animation in Maya, and gain an understanding of complex interface of the 3D environment. Although underpinned by the same fundamental principles as 2D animation, this subject brings a new set of challenges. The technical complexity of the CGI interface demands a patient and thorough

approach, and students are required to keep a subject specific notebook. There is also a far greater challenge to be taken on here; how to invest performance in 3D digital animation with the human feel that is crucial to generating empathy. Students should be mindful that digitally generated animation can often appear sterile and cold, and an over reliance on software-led movement must be avoided. Although it is possible to generate movement very quickly in 3D, it takes a surprising amount of time to refine this movement into a believable and sympathetic form.

It is important to note that there are aspects of this subject that reiterate principles and conventions from 2D animation fundamentals. The technical demands and the major differences in work creation between 2D and 3D make this process absolutely necessary.

82320 Animation Studio: Narrative Investigations

12cp

This studio enables students to engage with animation processes that advance their knowledge and understanding of narrative and performance. Projects explore the conceptualisation of complex design ideas and narrative drive through storyboarding to full animation, with a strong emphasis on experimentation. Building on the fundamental animation skills acquired in first year, students incorporate these principles directly into studio projects.

Continued emphasis is placed on the use of primary research processes grounded in first-hand experience, case studies, collection and observation. Students should be prepared to explore ideas through numerous iterations, and avoid formula and cliché. The subject explores psychology and emotional drive within character, performance and film language, camera and composition, story arcs, and production design. An increased emphasis is placed on the use of sound design, music and spoken dialogue.

An important aspect of this subject is the development of collaborations with key creative partners. Working with people from disciplines closely associated with animation such as musicians, actors, interactive and sound designers, students learn ways to exchange ideas, negotiate and communicate effectively with co-creators.

82321 Context: 3D Modelling and Rigging Introduction

6cp

This studio introduces students to the core technical complexities and creative possibilities of 3D computer modeling and rigging. Students are exposed to a series of in-depth, practical lab-based assignments, designed to help them build fully functioning characters for 3D animation.

As much importance is attached to the use of imaginative creative approaches as to demonstrating technical competence. The subject approaches the learning of technical disciplines with the same exploratory, open-ended attitude as conceptual projects.

The outcomes for this subject feed directly into Spring semester studio projects, and therefore a character design brief is introduced during the semester. Outcomes for this subject do not include animation.

82420 3D Modelling and Rigging Advanced

6cp

This project-based subject builds on the skills and techniques introduced in 82321 Context: 3D Modelling and Rigging Introduction and each student develops an advanced animation response to a suite of project briefs currently explored in tandem with 88211 Animation Studio: Narrative Experimentations. When taken in sequence after students have completed 82321 Context: 3D Modelling and Rigging Introduction, this advanced subject provides students with a detailed understanding of the design and production of 3D digital animation using industry standard Maya software. Students are expected to understand design processes in the production of 3D animation, gain knowledge of relevant software, demonstrate design and production skills, and demonstrate appropriate design solutions for a project of their choice.

82520 Context: Design for Three-dimensional Computer Animation

6cp

For subject description, contact UTS: Design, Architecture and Building.

82620 Animation Studio: Animation Industry Project

12cp

The Industry Project Studio introduces students to the negotiation of animation outcomes through collaborative animation design projects (undertaken and marked as group and individual assignments) set by creative industry/community partners. Students work in groups learning professional practice skills in documentation, communication, negotiation and design outcomes. Projects have objectives set out by the industry/community project leader who works with the academic supervisor.

82621 Context: Experimentations for Animation and VFX

6cp

This subject complements the industry projects under development in Studio: Industry Project. Students work in groups (and submit work for individual and group assessment) to experiment and propose animation design solutions to the industry project. This subject requires students to apply their 3D animation skills acquired in 82221 Context: 3D Animation Introduction, 82321 Context: 3D Animation Advanced and 89205 Design for Three-dimensional Computer Animation in support of the projects undertaken in 82620 Animation Studio: Animation Industry Project. The aim of this subject is to further extend design practices in 82620 Animation Studio: Animation Industry Project. Areas include advanced rigging and character set-up using animation software such as Vicon iQ, Motion Builder and Maya to capture, process and apply motion capture and/or key frame data to a character and/or VFX. Students work in collaborative groups undertaking specific roles from pre-visualisation, production and postproduction/compositing to achieve an animation sequence outcome.

82710 Animation Studio: Advanced Animation Practice

12cp

This studio operates in tandem with 82711 Animation Studio: Animation Project Pre-Production, to advance students' individual design approach to animation practice. It focuses on self-directed research, where students develop strategies and practices that inform the basis of the honours project undertaken in Semester 2. Experimentation in thinking and practice is encouraged as a means towards developing an individual design approach with an emphasis on innovation. The aim of this studio is the fostering of conceptual thinking and design research into a key area of animation visualisation such as performance, VFX or narrative as it relates to their final studio, 82800 Animation Studio: Animation Project / Production.

82711 Animation Studio: Animation Project Pre-production

12cp

In this studio, students undertake to develop an idea/script /concept brief for an original short piece of animation work done in tandem with 82710 Animation Studio: Advanced Animation Practice. Their project can be in any form and style of animation production. Students work with leading animation professionals and academic supervisors to negotiate the feasibility and length of their proposed project and production schedule. In the first semester, students are expected to take their project through research and appropriate pre-production processes (such as script development, pre-visualisation of key animation concepts, storyboard stages and/or visual scripts). They are expected to continue to develop their technical skills through a series of dedicated workshops and master classes.

82800 Animation Studio: Animation Project/Production

24cp

This is the capstone project within the Honours year, building upon conceptualisation undertaken in Semester 1. Students realise an innovative animation design solution to their animation problem. These projects are self-directed and supported by leading animation professionals and academic supervisors and students may be able to engage industry practitioners in specialist fields of animation production and postproduction/ post-visualisation processes. Students are expected to complete a piece of animation of broadcast or public exhibition standard, which must show evidence that they have engaged in a lively dialogue between theoretical ideas and production practices. Their completed project should demonstrate their professional skills, creative expertise and evidence of their capacities as an animator or digital VFX designer.

Access conditions are available in the individual subject descriptions in the online handbook.

83001 Fashion and Textile Design Special Project

6cp; intensive

Fashion and textile design is a diverse and complex creative field, encompassing broad ranging issues dealing with human interaction and the environment in which the discipline sits. This subject offers students the opportunity to gain a highly developed and detailed understanding of a specialised or specific area of fashion design practice. It enables students to explore fashion practice within a more holistic and expanded manner both in terms of its creation, representation and presentation.

83002 Fashion Event

6cp; block (from August 1 to Nov 6), August: 1hpw x 4wks, September: 4hpw x 3wks, 8hrs x 1wk, 25hrs x 1wk intensive, October: 3hpw x 1wk; introductory briefing July 29 (essential)

The subject revolves around the UTS Fashion and Textiles graduate fashion show held annually in the UTS Great Hall. The subject is for students interested in exploring the interface between fashion, public relations, marketing and events. It embraces design, communication and marketing in relation to public projects and fashion industry engagement. Encompassing aspects of event management, design and communications participating, students engage with a live brief and have the opportunity to work alongside professionals from fashion media, fashion marketing, PR, event staging and production, visual, interior and spatial design. This is a multi-venue, multi-faceted project revolving around a live fashion show extending to include a fashion exhibition, fashion publication and fashion industry events. Students work on a project basis utilising design thinking, interpersonal and communication skills in creative teams to realise the project.

83119 Thinking Fashion

6cp; 4hpw
Undergraduate

This subject provides a foundation to fashion design practice. Through a series of lectures and design studio tutorials, students gain knowledge and design skills to enable them to undertake practical and theoretical investigation into the area of fashion practice. The lecture series introduces students to key theories of fashion, set around on the cultural, political and social significance of the dressed body. Topics include the fashion system, semiotics of fashion, fashion as art, and conceptual approaches to fashion. Design studios provide a practical context to examine the relationships between a range of 2D and 3D media, creative exploration and conceptual development. The subject culminates in the creation of an original fashion design project utilising conceptual approaches and practical investigation.

Typical availability

Autumn semester, City campus

83121 Fashion Communication: An Introduction

6cp
Undergraduate

This subject introduces the visual language of fashion through digital and freehand modes of communication. Students study the human body through life drawing and the basic rendering techniques required. Students are also introduced to digital means of representing mark-making and an understanding of the computer environment.

Typical availability

Autumn semester, City campus

83231 Fashion Cultures

6cp
Undergraduate

This subject encourages students to further investigate fashion practice through design investigation while integrating individual research into studio activities. A lecture series provides an overview of the relationship between cultural innovation and the fashioned body in relation to a number of historical and contemporary subcultures. Design studios provides a practical context for the exploration of fashion practice in relation to alternate garment making methodologies, creative process, process documentation, reflective practice and image making. The subject culminates in the creation of an original fashion design project enabling the student to position fashion design practice as a form cultural research.

Typical availability

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/F6f-nKLJfIY

83233 Fashion Illustration Fundamentals 2

6cp

This subject builds on students' proficiencies gained in earlier subjects as a means to further develop an understanding of the visual modes of fashion and textile design.

Within the illustration module students are introduced to key contemporary fashion illustrators and explore a diversity of mediums and rendering techniques as a way to generate detailed range drawings. Drawing is a critical communication tool in Global Fashion practice consequently students are encouraged to refine skills in order to accurately communicate design ideas and detail. The digital component of the subject enables students to translate hand rendered fashion illustrations and technical drawings using industry standard software such as Adobe Illustrator. Students continue to explore and learn a diversity of presentation modes as a means to extend their fashion and textile practice.

Typical availability

Spring semester, City campus

83341 Fashion, Gender and Identity

6cp; lecture and studio practice
Requisite(s): 83119 Thinking Fashion AND 83231 Fashion Cultures AND 85502 Researching Design History AND 85503 Design Thinking
Undergraduate

This subject explores the social and political representations of gender and identity in fashion by studying the conditioning of the body and body image in western society. It challenges students to question fashion imagery and to analyse its message surrounding gender and cultural identity. It engages with fashion theory regarding the construction, performance and representation of gendered and sexual identities. The representation of appearance and its projection through media and cultural production is a key theme of this subject and provides the opportunity for students to engage in different modes of representation such as film, advertising, fashion photography, texts, and magazines.

Typical availability

Autumn semester, City campus

83343 Fashion Design: Past to Present

6cp
Requisite(s): (83231 Fashion Cultures AND 83341 Fashion, Gender and Identity AND (83342 Couture Techniques OR 83883 Couture Techniques) AND 85502 Researching Design History AND 85503 Design Thinking)
Undergraduate

This subject encourages students to explore traditional techniques as a means to create and engage with an inquiry into complex fashion design outcomes. The emphasis of the subject focuses on generating individual and original fashion design solutions specifically in relation to the human form. Students advance their design and technical knowledge as they are challenged to design three-dimensionally for the body. The subject is supported by specialised lectures, case studies and studio practice. It investigates the historical and contemporary context of fashion, and is supported by approaches to fashion draping as an essential patternmaking methodology. This subject combines both design and technical practices. It enables students to engage with advanced fashion construction skills as appropriate to the high fashion and couture markets including hand-sewing techniques.

Typical availability

Spring semester, City campus

83344 Fashion Communication: Drawing and Digital Media

6cp
Requisite(s): 83233 Fashion Illustration Fundamentals 2
Undergraduate

This subject consolidates the knowledge and understanding of drawing and digital media studied in previous communication subjects. Students develop projects specifically related to major studies in fashion. Students are encouraged to use both digital and freehand modes to explore the creative process, which may include client presentation and layout of fashion concepts. Mode of delivery is studio practice.

Typical availability

Autumn semester, City campus

Spring semester, City campus

83563 Dress, Body and Couture

6cp
Requisite(s): (83341 Fashion, Gender and Identity AND (83342 Couture Techniques OR 83883 Couture Techniques) AND 83343 Fashion Design: Past to Present AND 83345 New Textiles and Technologies)
Undergraduate

This subject provides students with the opportunity to further explore design in relation to art, the body and form. A lecture series addresses notions of fashion's connection to art, conceptual design practices, alternative perceptions of couture practices and different forms of fashion presentation. Students pursue individual interests in terms of design and its application into a fashion context.

Typical availability

Autumn semester, City campus

83564 Digital Fashion Multimedia

6cp
Requisite(s): 83121 Fashion Communication: An Introduction AND 83233 Fashion Illustration Fundamentals 2 AND 83344 Fashion Communication: Drawing and Digital Media

For further details, contact UTS: Design, Architecture and Building.

83565 Marketing Promotions for Fashion

6cp
Requisite(s): 83121 Fashion Communication: An Introduction AND 83233 Fashion Illustration Fundamentals 2 AND 83344 Fashion Communication: Drawing and Digital Media

For further details, contact UTS: Design, Architecture and Building.

83566 Contemporary Fashion Styling

6cp
Requisite(s): (83341 Fashion, Gender and Identity AND (83342 Couture Techniques OR 83883 Couture Techniques) AND 83343 Fashion Design: Past to Present AND 83344 Fashion Communication: Drawing and Digital Media AND (83345 New Textiles and Technologies OR 83888 New Textiles and Technologies))
Undergraduate

This subject explores fashion styling and art direction in relation to the associated industries. Through a series of lectures, tutorials and project work, students research, analyse and consider the messages conveyed through fashion visual imagery, and use this as a basis for concept development and application towards, for example, a catwalk show, magazine or an advertising campaign.

Typical availability

Spring semester, City campus

83568 Advanced Fashion and Textile Techniques

6cp
Requisite(s): ((83342 Couture Techniques OR 83883 Couture Techniques) AND 83344 Fashion Communication: Drawing and Digital Media AND (83345 New Textiles and Technologies OR 83888 New Textiles and Technologies) AND 83343 Fashion Design: Past to Present)

This practice-led subject is designed to encourage students to build advanced skills and knowledge in technical areas of fashion and textile design. The subject includes issues relating to designing for 'product life extension'. Each of the projects offers a series of lectures and studio tutorials, which introduce students to contemporary and historical aspects and theory. These also include professional and ethical design practice. A selection of textile project options are offered.

83621 Studio: Foundations in Patternmaking and Construction 1

6cp
Undergraduate

This subject introduces students to the principles of pattern making and garment construction, as a means to begin interpreting fashion design ideas into realisable garment outcomes. Students learn how to translate fashion drawings into flat pattern form, and to translate flat pattern pieces into three-dimensional form. In this subject students investigate material qualities essential to begin creating accurate and professional fashion garments, and learn industry techniques used for creating and interpreting production garment patterns. Students are introduced to garment block patterns, and investigate essential garment forms, and details applicable to these forms. Students undertake accreditation and OH&S training relevant to working in the specialised industrial sewing workshop.

Typical availability

Autumn semester, City campus

83622 Studio: Fashion Illustration Fundamentals 1

6cp

This subject introduces students to the fundamentals of fashion illustration as means to develop an essential understanding of modes of visual communication within a fashion context. In the illustration module of the subject, students examine freehand modes of drawing, and the importance of technical drawing and its relationship to the human body. The digital module familiarises students with computer software such as Adobe Illustrator and Photoshop, and instils in students visual techniques suitable for creating professional fashion layouts and range boards to present their design work.

83721 Studio: Fashion Illustration Exploration

6cp

This subject enables students to advance their knowledge and technical skills in fashion communication. It extends the techniques gained in 83622 Studio: Fashion Illustration Fundamentals 1 and 83233 Fashion Illustration Fundamentals 2 through exploring complementary mediums and modes of fashion illustration. Subject content includes life drawing and initiating students to digital media software such as Adobe and InDesign as a means to create professional layouts and formats. Essential proficiencies in communicating fashion are crucial within the fashion and textile industry. This subjects aims to further develop these professional attributes through assisting students to understand and create the importance of developing fashion collateral, portfolio and client presentations.

83722 Studio: Body Mapping

6cp

In this subject the primary emphasis is to introduce students to the fundamentals of working with stretch and knitted fabrications, and generating contoured fashion design 'on-the-body'. The subject combines design and technical components, and teaches students how to develop design concepts suitable for predetermined markets, patternmaking and construction of 'bodywear', such as swimwear or sportswear. The subject is supported by a series of lectures with industry specialists as a means for students to advance their knowledge and provide research pathways for third-year subjects. Students are challenged to produce a portfolio of illustrated design work as a means to translate a series of their designs into realised outcomes. Students investigate advanced notions of patternmaking, constructing garment toiles, body fitting techniques, and critiquing final garment design.

83723 Textile Lab: New Technologies

6cp

This subject introduces students to the fundamentals of textile print design and emerging digital technologies for fashion. Through a series of workshops, students explore creative methods to generate imagery, with the emphasis on individuality, originality and innovation for textile application. Students learn traditional textile production techniques including screenprinting, and contemporary digital textile techniques including sublimation and digital printing. In this subject students challenge print conventions and explore

Access conditions are available in the individual subject descriptions in the online handbook.

creative photographic and graphic styles. Students are introduced to techniques used to create repeat patterns and how to prepare artwork for print production in industry. A series of lectures and workshops introduce students to developments in techno textiles, including extreme, medical and sports applications, with the aim to generate an awareness of creative potentials for fashion design innovation. An emphasis throughout this subject is placed on a professional and sustainable print room practice. The subject is linked to industry sponsorship opportunities.

83724 Studio: Bespoke Fashion

6cp

For further details, contact UTS: Design, Architecture and Building.

83772 International Design

6cp

Requisite(s): (83561 Men's Collection OR 83884 Men's Collection) AND (83562 Tailoring: New and Traditional Techniques OR 83885 Tailoring: New and Traditional Techniques) AND 83563 Dress, Body and Couture AND 83564 Digital Fashion Multimedia AND 83565 Marketing Promotions for Fashion AND 83566 Contemporary Fashion Styling AND (83567 Women's Collection OR 83886 Women's Collection)

There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Design, Architecture and Building.

83773 Fashion and Textiles Research Dissertation

6cp

Undergraduate

In this subject students are required to research a project oriented to support their personal design philosophy or interest in a design-related topic. Research must be presented in a written form and may include visual components.

Typical availability

Autumn semester, City campus

83774 Fashion and Textile Research and Conceptualisation

12cp

This subject requires students to research a project that supports their personal design philosophy or interest within a fashion and/or textile design-related field. The in-depth design project provides a structured experience for students by offering a self-directed design project that combines research and practice. The subject is supported by a series of lectures, tutorials and workshops that address current fashion and textile design issues. It concludes with a final body of experimental design work that documents the research and design process.

83777 Professional Practice for Fashion and Textile Designers

6cp

Undergraduate

This subject prepares students for entry into professional practice. There are lectures on business procedures related to fashion and textile design and the subject includes copyright and ethical issues specific to the discipline. Students follow a self-initiated project designed to enhance their professional knowledge and skills with regard to the fashion and textile design industry. Examples of possible project areas include industry initiated design competitions, industry linked grant application, business plans and community collaboration. While the subject is self-directed, learning is supported by group tutorials and workshops.

Typical availability

Autumn semester, City campus

Summer session, City campus

83821 Studio: Men's Collection

12cp

This subject gives students the opportunity to explore fashion within an international context and focuses on design, making and presentation of original menswear. A lecture series explores contemporary and historical contexts of male culture, in relation to men's style and the performance and presentation of masculine identity. A brief enables students to challenge their own aesthetic bias by working with an existing design signature, utilising research, technical and conceptual skills to produce a significant body of creative work. This subject brings together a strong industry focus set around range development and the presentation of contemporary menswear. Students are provided an opportunity to consider alternate modes of presenting menswear proposals. These revolve around 2D image making and publication or the presentation of the menswear within spatial and performative contexts.

83822 Studio: Women's Collection

12cp

In this subject students explore experimental fashion practice as it relates to contemporary womenswear. The subject is supported by a series of guest industry lectures and specialised studio workshops where students explore contemporary ideas and design methodologies. The lecture series introduces students to conceptual fashion practice and the relationship of fashion to art and the body. Through a series of workshops in explorative drape techniques, students investigate a sculptural approach to garment formation, and generate ideas for womenswear range outcomes. This subject encourages students to challenge and extend contemporary fashion practice, expressed in the production of garment outcomes and design of a women's collection.

83823 Fashion and Textiles Professional Practice

6cp

This subject develops students' understanding of professional practice in the fashion and textile design industries. The focus for the subject is on contemporary industry practice within both local and global markets. Students develop their understanding of different roles within fashion and textile business structures, and projects are developed through both individual and group work to simulate design team environments. The role of the designer within the fashion system is explored, together with practices of making, manufacturing, marketing, and business planning. Students are introduced to industry practices such as costing garment ranges, and explore retail environments and e-commerce. Students are also introduced to career development options, job applications and portfolios. The subject includes contemporary issues which challenge industry practices including ethical and environmental concerns.

83881 An Introduction to Patternmaking and Construction

6cp

Undergraduate

This subject aims to provide students with the basic technical skills and abilities essential to begin interpreting design into a 3D form. Students participate in workshops that incorporate flat pattern making and garment construction where they learn the various techniques, finishes and specifications required to generate design ideas and concepts into realised outcomes.

Typical availability

Autumn semester, City campus

83882 Foundations in Patternmaking and Construction 2

6cp

This subject enables students to advance techniques learnt in 83621 Foundations in Patternmaking and Construction 1. Students continue to learn how to use the principles of patternmaking and garment construction to further interpret complex fashion design ideas into realisable garment outcomes. Students are introduced to advanced garment forms, and continue to investigate material qualities essential to understand in order to create accurate and professional fashion garments. Students learn to create complex garment components in both flat pattern and three-dimensional garment forms. In this subject, students learn how to apply and translate these principles into their own individual garment design outcome, based on a complex garment type.

Typical availability

Spring semester, City campus

83883 Couture Techniques

6cp

Requisite(s): (83120 An Introduction to Patternmaking and Construction OR 83881 An Introduction to Patternmaking and Construction) AND (83232 Intermediate Patternmaking and Construction OR 83882 Foundations in Patternmaking and Construction 2)

Undergraduate

This subject promotes traditional specialist techniques through a variety of complex and inquiring design outcomes. Through case studies and studio practice students investigate the historical and contemporary context, as well as the use of, haute couture techniques. This subject is supported by drape methodology and introduces students to the fundamental techniques of creating design on a mannequin and the human form.

Typical availability

Autumn semester, City campus

83884 Men's Collection

6cp

Requisite(s): (83341 Fashion, Gender and Identity AND (83345 New Textiles and Technologies OR 83888 New Textiles and Technologies) AND 83343 Fashion Design: Past to Present AND 83344 Fashion Communication: Drawing and Digital Media AND (83342 Couture Techniques OR 83883 Couture Techniques))

Undergraduate

This subject focuses on designing for men, covering issues regarding the evolution of men's attire and the context of the male in society. Through research work and a project brief, students explore the historical and contemporary context of menswear, eventuating in a body of work.

Typical availability

Autumn semester, City campus

83885 Tailoring: New and Traditional Techniques

6cp

Requisite(s): (83120 An Introduction to Patternmaking and Construction OR 83881 An Introduction to Patternmaking and Construction) AND (83232 Intermediate Patternmaking and Construction OR 83882 Foundations in Patternmaking and Construction 2) AND (83342 Couture Techniques OR 83883 Couture Techniques)

For subject description contact UTS: Design, Architecture and Building.

83886 Women's Collection

6cp

Requisite(s): ((83561 Men's Collection OR 83884 Men's Collection) AND 83563 Dress, Body and Couture AND 83568 Advanced Fashion and Textile Techniques)

Undergraduate

In this subject students explore experimental fashion practice as it relates to contemporary womenswear. The subject is supported by a series of guest industry lectures and specialised studio workshops where students explore contemporary ideas and design methodologies. The lecture series introduces students to conceptual fashion practice and the relationship of fashion to art and the body. Through a series of workshops in explorative drape techniques, students investigate a sculptural approach to garment formation and generate ideas for womenswear range outcomes. This subject encourages students to challenge and extend contemporary fashion practice, expressed in the production of garment outcomes and design of a womens collection.

Typical availability

Spring semester, City campus

83887 Fashion and Textile Design Major Project

24cp

Undergraduate

The major project allows students to fully demonstrate their professional ability and accumulated knowledge from previous years' study, through the execution of a personally prepared design brief completed earlier in the year. The project is self-directed and study is independent of the program but is supported by lecturers in supervisory roles. Assessment is based on the process and presentation of an agreed and completed body of work.

Typical availability

Spring semester, City campus

83888 New Textiles and Technologies

6cp

Requisite(s): ((83232 Intermediate Patternmaking and Construction OR 83882 Foundations in Patternmaking and Construction 2) AND 83233 Fashion Illustration Fundamentals 2)

The aim of this subject is to introduce current and emerging technologies and processes developed by industry and applied to textiles in the field of art, design, engineering and science. Students explore current and future concepts of textiles and consider their specific application into fashion design. Students are introduced to the design potential of these materials and develop an awareness of the creative possibilities of new textile processes. Through a series of lectures and workshops, students are also introduced to the contemporary work of textile artists and designers who use new textile technologies in their work.

Typical availability

Spring semester, City campus

83900 Research Realisation: Major Project

24cp

Further information on this subject is available from UTS: Design, Architecture and Building.

83921 Research: Fashion and Textiles Dissertation

6cp

Further information on this subject is available from UTS: Design, Architecture and Building.

83922 Research: Professional Practice Identity

6cp

Further information on this subject is available from UTS: Design, Architecture and Building.

83923 Research: Fashion Concept Lab

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

84000 Industrial Design Special Project

6cp

Industrial design covers a diverse and complex range of issues dealing with the human condition and the built environment. Due to this diversity and complexity, practitioners generally specialise within a sector of the industry. This subject offers students the opportunity to gain a highly developed and detailed understanding of a specialised or specific area of industrial design practice. Entry into this subject is based on the capabilities of the individual student and the appropriateness of the proposed study. Students engage with a specific project through a supervised self-directed learning contract that offers a flexible learning approach. Projects may respond to community and faculty needs or to the individual student's preferred direction in their academic and career development. This subject may only be undertaken following consultation with and approval by the course director.

Access conditions are available in the individual subject descriptions in the online handbook.

84110 Aesthetics in Industrial Design

6cp
Undergraduate

Aesthetics play a very important role in industrial design – how people perceive a product can mean the difference between its success, or failure in the market place. However aesthetics are more than simply a means of selling products, the pleasure derived from using products that look, feel and work beautifully is very important to humans from all backgrounds. This subject explores what it is that determines whether aesthetics succeed or fail, and gives the student first-hand experience in analysing and discussing aesthetic as well as practical experience in designing with aesthetic development as the main focus. The subject covers the creative process and methodologies for identifying and developing both aesthetic judgment and confidence.

Typical availability

Autumn semester, City campus

84111 Understanding Three-dimensional Form

6cp
Undergraduate

Throughout the program, students are expected to construct simple models, make test components and possibly working prototypes. This practical, hands-on subject sets the foundation for this work. It covers the appropriate use of materials and tools and the related OH&S issues. The subject includes workshop accreditation required for the use of power tools and equipment. Exercises involving the construction of three-dimensional objects form part of the subject.

Typical availability

Autumn semester, City campus

84112 Industrial Design Communications

6cp
Undergraduate

The development of a visual language for the communication of design ideas and solutions to others is integral to the design process. The subject introduces students to a number of techniques and conventions that reflect the changing nature of communication in design. The ability to quickly hand sketch allows the designer to investigate, develop and reflect on their ideas in a concrete way. The understanding of the conventional language of two-dimensional engineering drawing provides the essential information for products to be produced by others. The digital environment forms the third stream of this subject where the communication of shape and form are further developed.

Typical availability

Autumn semester, City campus

84113 Problem Solving in Industrial Design

6cp
Undergraduate

A core activity within the profession of industrial design revolves around creative problem solving. Consequently, students need to be introduced to and develop a deep understanding of this core activity. This subject therefore introduces basic problem solving structures and strategies within an industrial design context. This is accomplished using various teaching strategies including a series of formal lectures, industrial design problems and projects (long term and short term) to be completed as individuals and in groups.

Typical availability

Spring semester, City campus

84114 Industrial Design Digital Communication

6cp
Undergraduate

Integrated Product Design operates in a global context and successful communication of design ideas at any stage of the development relies on systems that can transfer digital information accurately and immediately to reduce lead-times, communicate intent and to engage resources available anywhere in the world. This subject centres on communication and the relevant digital programs used by the designer in the expression of their ideas. This includes two-dimensional raster and vector-based programs as well as an introduction to the construction of three-dimensional geometry in a virtual context.

Typical availability

Autumn semester, City campus

Spring semester, City campus

84115 Informing Industrial Design

6cp

This subject examines the philosophical and theoretical achievements that have shaped contemporary Integrated Product Design. Students are introduced to academic research methods and use these skills to inform practice based projects. Through a series of lectures and design studio tutorials, students will cover the period from the Industrial Revolution through to the present day.

84116 Integrated Product Design Communications

6cp
Undergraduate

The development of a visual language for the communication of design ideas and solutions to others is integral to the design process. This subject introduces students to a number of techniques and conventions that reflect the changing nature of communication in design. The ability to quickly hand sketch allows the designer to investigate, develop and reflect on their ideas in a concrete way. The understanding of the conventional language of two-dimensional engineering drawing provides the essential information for products to be produced by others. The digital environment forms the third stream of this subject where the communication of shape and form are further developed.

Typical availability

Autumn semester, City campus

84117 Integrated Product Design Digital Communication

6cp

This subject centres around communication and the relevant digital programs used by the integrated product designer in the expression of his or her ideas. This includes two-dimensional raster and vector-based programs as well as an understanding of the construction of three-dimensional geometry in a virtual context.

84118 Informing Integrated Product Design

6cp

This subject examines the philosophical and theoretical achievements that have shaped contemporary integrated product design. Students are introduced to academic research methods and use these skills to inform practice-based projects. Through a series of lectures and design studio tutorials, students cover the period from the Industrial Revolution through to the present day.

84120 Structure, Form and Material in Industrial Design

6cp
Requisite(s): 84110 Aesthetics in Industrial Design AND 84111 Understanding Three-dimensional Form AND 84115 Informing Industrial Design
Undergraduate

All products need a certain degree of structure if they are to function. Understanding how products respond to the environmental loads placed upon them is therefore an important part of design. This subject aims to help students identify the way in which products react to various types of load, and how to design in a suitable level of structure. Starting with an introduction to materials' properties, and simple engineering principles, the subject develops an understanding of how form and material choice can be manipulated to achieve the desired design outcome.

Typical availability

Autumn semester, City campus

84121 Computer-aided Industrial Design

6cp
Requisite(s): 84114 Industrial Design Digital Communication
Undergraduate

Computer-aided design is a substantial part of an industrial designer's repertoire. This subject continues with the mechanics of three-dimensional computer modelling and how it can be used to explore form and create virtual products. It also covers how the model can be used to communicate that form to others and how to

support downstream manufacturing processes. This subject gives students exposure to the whole process from form creation to product realisation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

84122 Ergonomics and Industrial Design

6cp

Requisite(s): 84110 Aesthetics in Industrial Design AND 84111 Understanding Three-dimensional Form AND 84115 Informing Industrial Design

Undergraduate

Ergonomics is the application of scientific information about human capabilities and limitations to design. Anthropometry is a component of ergonomics that is about the measure of human scale and strength. Ergonomics and anthropometry play a fundamental role in industrial design. The scale and capabilities of humans provides critical guidelines for the successful development of product and interface designs. By appropriate application of data, designers can make designs that are efficient and effective to use. This subject introduces the various measures of both efficiency and scale, and informs students of where to find and how to set about interpreting scientific data relating to the topic.

Typical availability

Autumn semester, City campus

84123 Material Manipulation

6cp

Requisite(s): 84120 Structure, Form and Material in Industrial Design

Undergraduate

Manufacturing is intrinsic to design - without an understanding of basic manufacturing principles such as how materials are processed, which materials provide what properties, etc., it is impossible to produce a considered design response to a problem. This subject aims to introduce students to major processes and materials, to involve them in design projects that demand material and process considerations, and to initiate a lifelong learning process aimed at validating the conceptual design process.

Typical availability

Spring semester, City campus

84124 Sustainability and Design

6cp

Requisite(s): 85503 Design Thinking AND 84110 Aesthetics in Industrial Design AND 84111 Understanding Three-dimensional Form AND 84115 Informing Industrial Design AND 85502 Researching Design History

Undergraduate

Among the more urgent needs of human societies today is to realise sustainable relationships with our planet's biosphere. The last decade has seen the emergence of increasingly comprehensive strategies by which designers can contribute to this wider societal goal. This subject provides frameworks for these strategies, options for their implementation in industrial design, as well as project opportunities to gain practical experience in their application.

Typical availability

Spring semester, City campus

84130 Product Technology

6cp

Requisite(s): 84120 Structure, Form and Material in Industrial Design AND 84123 Material Manipulation

Undergraduate

This subject makes an in-depth examination of how things work. It is intended to give students an understanding of the technology that makes products work and enables humans to interact and control product functions. The completion of a major project requires students to demonstrate an understanding of the creative application of technology to a product design of their own.

Typical availability

Autumn semester, City campus

84131 Industrial Design Directions

6cp

Requisite(s): 84110 Aesthetics in Industrial Design AND 84111 Understanding Three-dimensional Form AND 84115 Informing Industrial Design AND 85502 Researching Design History AND 85503 Design Thinking

Undergraduate

This subject is about exploring different careers that are available on completion of the Industrial Design course. Students have the opportunity to research one or more design career options in some detail and either undertake work experience in the design field of their choice or carry out an externally based project related to their design interest. Past graduates and practising designers are invited to talk about their experiences and the realities of working as professionals.

Typical availability

Autumn semester, City campus

Spring semester, City campus

84133 Industrial Design Theory

6cp

Requisite(s): 85502 Researching Design History AND 85503 Design Thinking

Undergraduate

Design is experiencing profound change, instigated in part by remarkable and rapid developments in technology and changing perceptions of the role of design in society. This subject considers diverse theoretical and practical developments core to contemporary and future industrial design practice. It fosters divergent, emergent and sometimes controversial viewpoints. It is offered primarily by way of lectures and seminars. Students are mentored in researching and presenting material relevant to the subject themes.

Typical availability

Spring semester, City campus

84134 Industrial Design Professional Communication

6cp

Requisite(s): 84114 Industrial Design Digital Communication AND 84121 Computer-aided Industrial Design

Undergraduate

Professional communication of design intent at various stages of the design process is critical in ensuring that clients, design team members and various stakeholders are able to understand, participate and respond to the inherit complexities addressed in industrial design projects. This subject brings together techniques and methods of communication specific to the integrated product design profession. It develops students' ability to evaluate and employ appropriate communication strategies for whatever situation is presented to them. Students develop a deeper understanding of the different methods of communication available to integrated product designers.

Typical availability

Spring semester, City campus

84135 Ecodesign Practice

6cp

Requisite(s): 84124 Sustainability and Design AND 84904c Industrial Design Major Project: Realisation

It is during the design process that the potential for environmental improvement becomes a reality. This subject describes the practical steps and strategies available to industrial designers wanting to optimise their product's environmental performance. Designers must make complex trade-offs over the whole product life cycle during the ecodesign process.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

84610 Inside Design

6cp

Integrated Product Design is a complex discipline that can have a major impact on society and influence on people's lives. It requires an understanding of the many stages of the design process. In the development of a design solution a designer is concerned with details, proportions, combining materials and subtle finishes. To take it to production a designer must understand materials and manufacturing processes alongside where it fits within the market. This subject allows students to explore and develop an understanding of design practice and opportunities of the discipline in a broad context. The subject is about gaining an understanding of what Integrated Product Design is now and where it will be in the future. Insights into areas of contemporary design practice are supported through the reflection and analysis of various design reports, documentaries and commentaries available in video, film and print materials. Understandings and interpretations are demonstrated through reports, presentations and form studies of research conducted, including interviews with practicing designers.

84611 Design Thinking in Integrated Product Design

6cp

Current design research relating to design thinking and associated design thinking strategies establishes a strong link to many creative design processes and practices. Consequently, students need to be introduced to and develop a deep understanding of these contemporary topics as they relate to the processes and practices of integrated product design (IPD) specifically. This subject therefore introduces basic design thinking structures and strategies as they relate explicitly to the industrial design profession and the integrated product design context. This is accomplished using various teaching strategies including a series of formal lectures, IPD problems and projects.

84710 Research Methods in Integrated Product Design

6cp

Various research methodologies, strategies and techniques are of core importance in obtaining, analysing and understanding research data and its implications for integrated product design. This subject considers diverse theoretical and practical research methodologies which serve to support and build on previous learning. Students are mentored in researching and using a variety of research methodologies, strategies and analysis techniques.

84711 User-Centred Design

12cp

User-centred design involves the selective application of research and design methods focused on understanding the needs and limitations of the end-user in the development of new products, interfaces and systems solutions. The development of designs of optimum useability and performance involves the analysis of users, their environment and circumstance through the methodological application of interventions, testing methods and experimentation supported by literature and empirical research. The subject aims to support students in creative exploration, analysis and reflection of the problem space and solution concepts through design thinking reliant on the use of prototyping skills in the pursuit of innovative solutions that meet both ergonomic (the application of scientific information about human capabilities and limitations) and commercial goals.

84712 Product Engineering

12cp

An understanding of basic mechanical and electrical materials and manufacturing knowledge must be applied in the design and development of new products and systems. This subject introduces students to a range of engineering and electrical principles as they relate to industrial design process, through a series of projects where Design Thinking is supported to explore technical approaches to the functional aspects of future orientated products, systems and interfaces both conceptually and in the establishment of efficient physical forms. Aptitude in the ability to innovate, experiment and rationalise solution concepts that appropriately consider these technical aspects, with consideration to ecological sustainability, is developed through the practice of design skills, including sketching, prototyping and collaboration to produce designs that are socially responsible, technically feasible and operationally intuitive for the end-user.

84771 Industrial Design Project 700A

6cp

Requisite(s): 84120 Structure, Form and Material in Industrial Design AND 84123 Material Manipulation AND 84130 Product Technology

Undergraduate

Market focus: A manufacturer or company representative briefs the students on a real-world design problem as seen from a marketing perspective. Students are required to draft a formal brief, prepare a task/time sheet and develop a resolution to the problem. On completion they present the solution to the 'client' for feedback.

Typical availability

Autumn semester, City campus

84772 Industrial Design Professional Practice

6cp

Requisite(s): 84122 Ergonomics and Industrial Design AND 84130 Product Technology AND 84133 Industrial Design Theory AND 84134 Industrial Design Professional Communication

Undergraduate

This subject focuses on understanding the different models of design management structures and methods used in industry and recognising their impact on the design process.

The practice of industrial design, particularly Australian design, is investigated through a series of case-study presentations. Particular emphasis is placed on issues relating to ethics, intellectual property and contractual administration in new product development. This subject enables the student to deepen their understanding of industrial design through application of knowledge gained in the course to the area of professional practice.

Typical availability

Autumn semester, City campus

84780 Research Dissertation ID

6cp

Requisite(s): 84131 Industrial Design Directions AND 84133 Industrial Design Theory

There are also course requisites for this subject. See access conditions.

Undergraduate

This subject ties together many of the strands of the program to date. Students examine an activity field from a design systems perspective: the tasks required to perform the activity, the current products involved, the size of the field and its complexity. In short, all the systems which interact with the field of study. The aim is to find where improvements might be made and how they might be implemented, either by changes to the system or by the introduction of new or improved products. The results are compiled in a report.

Typical availability

Autumn semester, City campus

84811 Smart Design

12cp

As the world is experiencing many profound and rapid technological and social changes, students must be properly prepared to operate in this new environment. Students need to develop next generation products, systems, and environments which are a result of 'smart' thinking and are in themselves 'smart/innovative'. Drawing upon and developing the practical skill sets and design thinking experiences established in the first two years of the curriculum, this subject makes an in-depth examination of how things work and should work to benefit larger sociocultural contexts. It provides students with an understanding of the technology that makes products work and enables humans to interact and control products, systems and environments.

84812 Innovation and Commercialisation in Integrated Product Design

12cp

This subject focuses on understanding the different models of integrated product design practice, management structures and methods used in industry and understanding the impact these variables have on the design process. The connection between

design and business of varying scale and capability is explored. The practice of integrated product design, particularly Australian design, is investigated through a series of case-studies including small (designer-maker or solo practitioner), medium (SME manufacturing companies) and large (multinational) businesses. Particular emphasis is placed on issues relating to ethics, intellectual property, innovation, design thinking, design expertise and contractual administration in new product development. This subject enables the student to deepen their understanding of industrial design through application of knowledge gained in the course to the area of professional practice.

84813 Integrated Product Design Professional Communication

6cp

For further details, contact UTS: Design, Architecture and Building.

84880 Major Project ID

24cp

Requisite(s): 84771 Industrial Design Project 700A AND 84780 Research Dissertation ID AND 84140 Industrial Design Professional Practice AND 84134 Industrial Design Professional Communication
There are also course requisites for this subject. See access conditions.
Undergraduate

The major project is determined by the student in consultation with staff, and the topic is normally derived from research carried out in 84780 Research Dissertation ID. The field of study largely determines the content, however it is expected the project will include an analysis, solution proposal, documentation and presentation. The aim of this project is to demonstrate the skills and knowledge gained during the course.

Typical availability

Spring semester, City campus

84900 Superstudio

24cp

In this subject students simultaneously undertake a series of design projects. Each project is used to evaluate various design approaches to the development of form and solution for an identified problem space established through formally conducted research. Throughout the subject Design Thinking is supported in the exploration of methodology and process as a driver for establishing innovative outcomes that address a human need and are mindful of the social, ecological and global impact of design intervention. Students are expected to negotiate the establishment of their own assessment criteria to enable extension and coordination of learning attributes that match self-directed and identified project goals. The subject requires students to draw upon knowledge and skills gained throughout the course and involves concept evaluation and selection, design development and detailing, rationale for situated context and communication presented in the form of reports, visual presentations and prototypes. Working on multiple projects is a reflection of professional practice and requires careful time management.

84902 Industrial Design Major Project: Research and Conceptualisation

12cp

Requisite(s): 84122 Ergonomics and Industrial Design AND 84130 Product Technology AND 84133 Industrial Design Theory AND 84134 Industrial Design Professional Communication

This is a project driven subject focused on researched-based designing. Throughout it students produce a design project brief and a number of conceptual designs. The brief is developed through engagement of appropriate research methodologies. These include but are not limited to background contextual research; theoretical conceptual investigation; situation analysis; problem-statement; and statement of aims, methods and outcomes and technological mapping. The brief development should be further informed by contextual exploration through in-depth observation, interviewing or probing of the social context. The conceptual designs should evidence explorations of form, function, ritual-of-use, ergonomics, product life cycle, materials and technologies.

84903 Industrial Design Professional Project

12cp

Requisite(s): 84122 Ergonomics and Industrial Design AND 84130 Product Technology AND 84133 Industrial Design Theory AND 84134 Industrial Design Professional Communication

This subject allows students to demonstrate and build on their comprehension of the knowledge gained so far in the course. Projects emphasise all aspects of the industrial design process and students are required to engage with social, technological, environmental and commercial issues. Projects reflect real-world design briefs, where possible, supported by a manufacturer or company.

84904 Industrial Design Major Project: Realisation

12cp

Requisite(s): ((84471 Industrial Design Major Project: Research and Conceptualisation OR 84902 Industrial Design Major Project: Research and Conceptualisation) AND 84135c Ecodesign Practice)

The subject simulates a professionally conducted project that is informed by research conducted in 84902 Industrial Design Major Project: Research and Conceptualisation to address an identified problem associated with the human condition. Students are required to resolve the connections between user need, social context, commercial feasibility and ecological responsibility associated with their stated design brief in the development of products, systems or service solutions. The subject requires students to draw upon knowledge and skills gained throughout the course and involves concept evaluation and selection, design development and detailing, costing documentation, communication and project management presented in the form of reports, visual presentations and prototypes.

84905 Design in the Wild

12cp

Increasingly professional Integrated Product Design practice operates across international borders and the prevalence of working collaboratively is addressed in the teaching of this subject. Design in the Wild offers practice based projects linked to partners and stakeholders external to UTS, exposing students to managing and participating in projects that operate both in person and via digital connections. This context facilitates students to work in multi-disciplinary teams, where teams can be defined as groups formed within their own cohort at UTS or as part of a group which include members from outside UTS. This subject heightens the importance of communication and students are required to draw on all their previous learning in this area.

84906 Professional Studio

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

84907 Integrated Product Design Major Project: Realisation

12cp

For further details, contact UTS: Design, Architecture and Building.

85011 Introduction to Communication

3cp

For further details, contact UTS: Jumbunna Indigenous House of Learning.

Typical availability

Autumn semester, City campus

85012 Introduction to Maths

3cp

For further details, contact UTS: Jumbunna Indigenous House of Learning.

Typical availability

Autumn semester, City campus

85015 Advanced Basic Maths and Science

3cp

For further details, contact UTS: Jumbunna Indigenous House of Learning.

Typical availability

Spring semester, City campus

85016 Advanced Written and Oral Communication

3cp

For further details, contact UTS: Jumbunna Indigenous House of Learning.

Typical availability

Spring semester, City campus

85202 Interdisciplinary Lab A

6cp

Further information on this subject is available from UTS: Design, Architecture and Building.

85302 Interdisciplinary Lab B

6cp

Further information on this subject is available from UTS: Design, Architecture and Building.

85500 Design Futures: Creative Technologies

6cp

Requisite(s): 85502 Researching Design History AND 85503 Design Thinking

Undergraduate

In this subject, students enhance the creativity of their designing in the context of increasingly technology-dependent futures. Students experiment with a range of creative problem-solving techniques and learn to take more risks with lateral ways of generating design options. Through various philosophies of technology and case studies of the development, take-up and consequences of a number of technological innovations, students also gain an understanding of how technology creates, and is created by, changing cultural habits, perceptions and values. By bringing together information on creativity strategies and human-technology relations, students are able to develop alternative futures through experiments with design-orienting scenarios.

Typical availability

Autumn semester, City campus

85502 Researching Design History

6cp

In this subject students are introduced to academic culture and the research and argumentation conventions involved in higher learning. Students use these skills to investigate key issues throughout the history of modern design. With this understanding, students begin to be able to make judgments about what design can and needs to do in the coming decades.

Typical availability

Autumn semester, City campus

85503 Design Thinking

6cp

Undergraduate

The aim of this subject is to help students develop their attitude, behaviour and thinking as designers. It aims to show them what the field of design looks like from the inside and to challenge preconceptions. Students develop their knowledge of design processes and design research techniques that are common to all design disciplines. Students learn a range of strategies for working in teams, defining design problems, researching design contexts, generating creative responses, evaluating proposals from different perspectives, and visualising the arguments for proposals. The subject also introduces students to the rigorous and self-directed learning environment of the School of Design.

Typical availability

Autumn semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/SM_ff37qLOY
- Academic video: www.youtu.be/B-U5QmtePiA

85504 Design Futures: Sustainable Lifestyles

6cp

Requisite(s): 85502 Researching Design History AND 85503 Design Thinking

This subject examines how design can influence people to live and work more sustainably. Students investigate the many varied historical and international forces that have led modern consumer societies to evolve unsustainably and utilise resources inequitably. By engaging with theory and practice students gain an understanding of the forces that continue to prevent societies from becoming more sustainable. Through this subject students develop proposals for design-led attitudinal and behaviour change toward more sustainable ways of living and working.

Typical availability

Spring semester, City campus

85505 Design Interventions: Making Theories

6cp

Every design embodies a theory about people, the world and the way people interact with products, environments and communications. This subject teaches how to develop well-constructed theories that can give new insights into situations and thereby develop more creative and more effective designs. Students are introduced to a range of current cultural theories including: visual culture – which focuses on the way the 'society of spectacle sees things'; and material culture – which focuses on the material things we depend upon and value by owning.

Typical availability

Spring semester, City campus

85506 Design Differences: Intercultural Asia

6cp

Requisite(s): 85502 Researching Design History AND 85503 Design Thinking

In this subject, students explore issues of intercultural communication and cross-cultural designing. The subject examines the differences in design cultures not only between the East and West, but between different east Asian countries, and within those countries as they negotiate post-colonialism or globalisation. Students learn about some of the design traditions and philosophies of particular North-East and South-East Asian countries. Through applied research toward interdisciplinary design projects, students also explore current design issues and trends, including the nature of professional practice in those countries.

85509 Design Differences: Community Identities

6cp

Designers fulfil the needs and desires of others through empathy. This subject explores notions of identity so that you can have more insight into your own background and more flexibility when trying to understand the backgrounds of others. You will examine changing senses of self and community in an age of globalised media and commerce using contemporary cultural studies perspectives. The subject also explores the politics of marginal and mainstream identities through a range of experiences and experiments. As a result, you will become more adept at working with a range of competing and often incompatible stakeholder expectations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

85601 Design Futures: Business Innovation

6cp

Requisite(s): 85502 Researching Design History AND 85503 Design Thinking

This subject examines how design can drive business innovation, enabling businesses to be on the forefront of creating change. It looks at case studies that have employed design-led approaches to create new markets, reshape habits, perceptions and social values. In this context students investigate current practices and trends in design, participatory design and human centred design approaches. By engaging with design management and design thinking theory students gain an understanding of the role design can play in shaping

business models and in developing innovative and entrepreneurial design ideas. This subject centres on interdisciplinary collaborations through which students identify new market potential whilst experimenting with future-orienting scenarios, and then design/propose something for that new market.

85602 Interdisciplinary Design Lab: Undergraduate

6cp
Requisite(s): 85701 Research Based Designing

This subject is an opportunity for students to work intensively on experimental briefs that range across design disciplines. The design lab allows them to extend their abilities by engaging with challenging briefs in innovative contexts, such as emerging technologies or pressing social issues. The labs enhance critical analysis skills and the creativity of design work. They also teach students better team and project management skills in time-pressured situations and create opportunities to reflect on their own design processes when compared to those of other disciplines.

Typical availability

Spring semester, City campus

85603 Interdisciplinary Design Experience: Undergraduate

6cp
Requisite(s): 85701c Research Based Designing
Undergraduate

This subject is an opportunity for students to work in inter-disciplinary teams on live briefs that range across design disciplines. The process enhances research and communication skills, as well as the ability to think critically about the consequences of what is designed. In particular, it allows students to learn in-depth about collaborative design and the potential of design to effect change in complex situations. Working with live briefs and real clients teaches better team and project management skills in situations where people depend upon professionalism. Working with colleagues from different design disciplines provides students with the opportunity to reflect on their own design processes.

Typical availability

Autumn semester, City campus

85604 Reflective Practice

6cp

Professional designers are reflective practitioners, reflecting on their designs and their designing, while designing and after completing a job. Expert designers share their reflections with their peers and actively challenge the habits and prejudices revealed by their reflections. Through a series of readings, design exercises and writing exercises, students learn how to notice aspects of their designing worth reflecting on, how to interrogate what they notice, develop and test theories about their designing, and how to implement changes to the way they design.

85605 Design Differences: Community Identities

6cp
Requisite(s): 85502 Researching Design History AND 85503 Design Thinking
Undergraduate

Designers fulfil the needs and desires of others through empathy. This subject explores notions of identity so that students can have more insight into their own background and more flexibility when trying to understand the backgrounds of others. Students examine changing senses of self and community in an age of globalised media and commerce, using contemporary cultural studies perspectives. This subject also explores the different ways designers can help build the capacities of communities to sustain themselves in the future. The subject centres around interdisciplinary collaborations through which students identify an area of need, and then, in consultation with representatives of that context, design empowering responses.

85701 Research Based Designing

6cp
Requisite(s): (85502 Researching Design History AND 85503 Design Thinking AND (85506 Design Differences: Intercultural Asia OR 85601 Design Futures: Business Innovation OR 85504 Design Futures: Sustainable Lifestyles OR 85500 Design Futures: Creative Technologies) AND 85603c Interdisciplinary Design Experience: Undergraduate)
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

The quality and innovativeness of professional designing depends upon careful and creative research. This subject introduces students to a range of methods and strategies appropriate to design processes through which designers can acquire valid and insightful understandings of the contexts in which they are designing. Students also learn through project work how to select research strategies most appropriate to the focus of each design project. In addition, the subject enhances the evaluative and argumentation skills of the students, both in terms of analysing collected data and presenting research findings to design teams, clients and stakeholders.

Typical availability

Spring semester, City campus

85702 Interdisciplinary Design Lab

12cp
Requisite(s): 85502 Researching Design History AND 85503 Design Thinking
Undergraduate

In this subject, design is conceived of in its widest and most exciting sense; as an agent for change in a complex world. The aim of the interdisciplinary design labs (DLabs) is to connect students with live research projects led by staff across the design school. The DLabs offer students from all disciplines a diverse range of exciting projects, often with partners from industry or the community, which engage with real-life problems and opportunities. The DLabs focus on problems that require an interdisciplinary design approach, and develop students' skills in collaboration and teamwork. The emphasis of this subject is on experimentation and innovation. The DLabs aim to prepare students for future developments in the design professions.

Typical availability

Spring semester, City campus

85801 Design Activism

6cp

For further details, contact UTS: Design, Architecture and Building.

85802 Engaging Texts: Interpreting Contexts

6cp

For further details, contact UTS: Design, Architecture and Building.

85803 Engaging Texts: Cross-Disciplinary Conversations

6cp

For further details, contact UTS: Design, Architecture and Building.

85804 Researching Contexts

6cp

For further details, contact UTS: Design, Architecture and Building.

85805 Technology Workshop: Creative Play

6cp

For further details, contact UTS: Design, Architecture and Building.

85806 Technology Workshop: Experimental Media

6cp

For further details, contact UTS: Design, Architecture and Building.

85807 Technology Workshop: New Poetics

6cp

For further details, contact UTS: Design, Architecture and Building.

85808 Innovation and Entrepreneurship A

6cp

For further details, contact UTS: Design, Architecture and Building.

85809 Innovation and Entrepreneurship B

6cp

For further details, contact UTS: Design, Architecture and Building.

85820 Sustainability, Design and Creative Futures: Being Human

12cp

For further details, contact UTS: Design, Architecture and Building.

85821 Sustainability, Design and Creative Futures: Spatio-Temporal Shifts

12cp

For further details, contact UTS: Design, Architecture and Building.

85822 Sustainability, Design and Creative Futures: Critical Economies

12cp

For further details, contact UTS: Design, Architecture and Building.

85823 Textile and Fashion Innovation

12cp

For further details, contact UTS: Design, Architecture and Building.

85824 Reframing Fashion and Textile Practice

12cp

For further details, contact UTS: Design, Architecture and Building.

85826 Experimental Visual Communications: Research through Design

12cp

For further details, contact UTS: Design, Architecture and Building.

85827 Experimental Visual Communications: Visualising the Invisible

12cp

For further details, contact UTS: Design, Architecture and Building.

85830 Lighting Studio: Time and Change

12cp

For further details, contact UTS: Design, Architecture and Building.

85831 Lighting Studio: Light, Materials and Space

12cp

For further details, contact UTS: Design, Architecture and Building.

85833 Interactivation Studio A

12cp

For further details, contact UTS: Design, Architecture and Building.

85834 Interactivation Studio B

12cp

For further details, contact UTS: Design, Architecture and Building.

85836 Objects and Accessories Studio: Fold

12cp

For further details, contact UTS: Design, Architecture and Building.

85837 Objects and Accessories Studio: Layer

12cp

For further details, contact UTS: Design, Architecture and Building.

85839 Design Capstone Studio

12cp

For further details, contact UTS: Design, Architecture and Building.

86001 Strategies for Interior Design

6cp

This subject introduces the student to a number of strategies for designing interior places. Strategies discussed include methods of rational analysis and synthesis, formal design paradigms drawn from history, strategies for developing concepts and for making space meaningful to user groups. These strategies provide a diverse set of tools that can be employed within different design contexts or at different stages in the design process. Various techniques for exploring and representing design ideas are also introduced. The subject aims to provide a foundation for future expertise in designing.

86002 The Human Environment

6cp

Using a cross disciplinary approach, ideas and methods from the fields of behavioural psychology, anthropology, anthropometry, ergomics, demography, and interior design are used to develop students' awareness and understanding of the interaction between people and interior environments. This overview is essential to students' understanding of the way human beings and their behaviour are influenced by and influence the design of interior places and environments.

86003 Interior Design Conceptualisation

6cp

This subject provides a foundation for understanding the design of permanent and impermanent spaces. Through the means of studio projects students explore and apply various design strategies with a focus on concept generation and design synthesis. This enhances their ability to develop and apply original conceptual approaches to design projects. Students in this subject gain experience in team and individual work, conceptual thinking, interpretation, and the realisation of design ideas across four dimensions.

86004 Design Studio: Foundations in Spatial Language

12cp

This design studio introduces students to the thinking and practice of spatial design. It exposes students to key designers and projects in order to build the student's language of the discipline and define the context in which they will work. Students are challenged to explore and develop their creativity and curiosity through a variety of speculative design projects. First-year presentations focus on key practitioners, theorists and histories across the field of spatial design, including spatial designers, designers, architects, artists and filmmakers.

The design studio constitutes the primary vehicle for student learning and development throughout the Interior and Spatial Design program. Studios combine design tutorials, lectures, workshops, symposia, presentations and critical feedback.

86005 Design Studio: Foundations in Spatial Design

12cp

This design studio engages students with the thinking and practice of interior and spatial design. It develops students' language of the discipline through a study of key designers and projects in order to build and define the contexts in which the students work. Students are challenged to engage and develop their creativity and curiosity through a variety of speculative design projects.

The design studios constitute the core vehicle for student learning and development throughout the Interior and Spatial Design program. Students in this studio develop formal and informal experimental methods and through rigorous, iterative practices engage in the realisation and presentation of design concepts. The design process is evolved through the introduction of ideas of event, program and spatial organisation. Augmented by related readings and theory, students are asked to develop and present a designed response to a site, a community, a series of processes and intertwined issues.

First-year students focus on key practitioners, theorists and histories across the field of interior and spatial design, including interior designers, architects, artists and filmmakers.

86008 Context: Image and Making (Representation)

6cp

This subject aims to introduce students to the principal techniques of spatial visualisation and communication. The emphasis is on exploring multiple representational techniques in a thoughtful way. Subject content includes drawing, sketching, drafting and basic analogue model making.

The subject develops students' ability to understand three-dimensional space, visualise spatial environments, and represent these clearly and effectively through a range of media. Students' understanding of space as a medium evolves during the design process through an ability to translate spatial ideas across multiple communication modes. In this subject a variety of drawing and modelling techniques, often in tandem or in quick succession, build a flexible, multi-modal way of representing spaces.

86009 Context: Image and Making (Generative Methods)

6cp

This subject aims to establish and evolve techniques of spatial visualisation and communication. The emphasis is on exploring multiple representational techniques in a rigorous and thoughtful way. Subject content includes sketching, hand drafting, 2D and 3D CAD, graphic image production and analogue model making. Essential in visualising spatial environments is the designer's ability to understand three-dimensional space and translate that understanding clearly and effectively. This understanding evolves during the design process through an ability to translate spatial ideas across multiple communication modes. Students in this subject learn a variety of drawing and modelling techniques, often in tandem or quick succession, building a flexible, multi-modal way of working. There is an emphasis on developing the student's ability to generate forms and images through an iterative process.

86021 Interior Design History

6cp

Requisite(s): 86001 Strategies for Interior Design AND 86002 The Human Environment AND 86003 Interior Design Conceptualisation AND 85502 Researching Design History

This subject outlines the key people, spaces and activities from 1750 to the present, that come together to make up our contemporary understanding of the profession of interior design. The subject describes the economic, social and cultural context within which the discipline of interior design took shape. It also introduces key themes of this period that have been influential within the development of interior design, such as mobility, style, transience and progress.

Skills in drawing, critical thinking and design analysis are cultivated.

86022 Sustainable Human Futures: Residential Environments

6cp

Requisite(s): 86320 Interior Materiality and Design Detail AND 86110 Interior Design Communication: Digital Media AND 86001 Strategies for Interior Design AND 86002 The Human Environment AND 86003 Interior Design Conceptualisation AND 86420 Interior Design Communication

The subject explores the principles of sustainable life and human wellbeing using residential design as the focus. A broad approach is taken, which covers both global concerns and local apporaches to the design of sustainable dwellings by exploring sustainable design principles. In particular, human wellbeing is examined to provide a philosophical, practical and spiritual understanding of both house and home, so that residential design can usefully contribute to the health and wellbeing of the users of residential interiors.

86023 Light, New Materials and Form

6cp

Requisite(s): 86110 Interior Design Communication: Digital Media AND 86001 Strategies for Interior Design AND 86002 The Human Environment AND 86420 Interior Design Communication AND 86003 Interior Design Conceptualisation AND 86320 Interior Materiality and Design Detail

Light, materials, form and space are the primary elements that create and define human environments. Through the manipulation and enhancement of these elements the human experience can be shifted, elevated, orientated and guided. Students explore the effects that various spatial and elemental forms, lighting, colour and materials can have on the experience and interpretation of an interior space. The subject encourages students to undertake creative investigation of the way emerging materials and systems, form-making, and lighting, can question the standard approaches to design outcomes.

86024 Hospitality Environments

6cp

Requisite(s): 86110 Interior Design Communication: Digital Media AND 86320 Interior Materiality and Design Detail AND 86420 Interior Design Communication AND 86001 Strategies for Interior Design AND 86002 The Human Environment AND 86003 Interior Design Conceptualisation

Hospitality environments address varied user needs including leisure, convenience, respite, recuperation, indulgence and experience. They include hotels, motels, retreats, serviced apartments, bars, cafes, restaurants and other food services.

This subject includes the theory, application and testing of the information required to analyse design and document interiors for this use, including cultural and market considerations and influences. An understanding of the requirements of the hospitality industry is gained through site surveys and precedent studies, environmental systems, planning, and the appropriate selection of furniture, fixtures and equipment. Within this subject students are introduced collectively to the broad sector of hospitality design and then focus on a particular aspect or subgroup of this sector.

86025 Interior Elements and Design Detail

6cp

Requisite(s): 86110 Interior Design Communication: Digital Media AND 86320 Interior Materiality and Design Detail AND 86420 Interior Design Communication

The practice of interior design focuses on the design of elements that define the spatial qualities of an interior. These elements sit within the larger systems and structure of the building and range in size, function and complexity.

This subject extends students' knowledge of materials and their incorporation into structural systems. Specific study is made of the construction of interior elements such as spatial subdivision, cabinetry and built-in furniture, and introduces students to specification writing and scheduling. This subject develops a broader and more complex understanding of detailing as an expression of design.

86031 Directions in Spatial Experience

6cp

Requisite(s): 85503 Design Thinking AND 86110 Interior Design Communication: Digital Media AND 86320 Interior Materiality and Design Detail AND 86420 Interior Design Communication AND 86002 The Human Environment AND 86023 Light, New Materials and Form AND 86001 Strategies for Interior Design AND 85502 Researching Design History AND 86003 Interior Design Conceptualisation

Interior design deals with the tangible and intangible realms of spatial experience. New technologies can further shape, stretch and manipulate the boundaries of this spatial experience and the ways in which people interact with material and digital space. Through the investigation of different technologies, such as advanced lighting, advanced digital representation, and interactive space, students explore and realise how these technologies can morph, shape and model interior spaces, contribute to the activities within such spaces and how these vary between interior environments.

Students undertake a generic project that introduces the new technologies and their inter-relationships, followed by a focused exploration into the directions of one of the selected technologies: interior lighting design, advanced digital representation or interactive space.

86041 Interior Design Major Project: Research and Conceptualisation

12cp

Requisite(s): 85502 Researching Design History AND 85503 Design Thinking AND 85701 Research Based Designing

Good designing necessarily involves research. Design research ranges from that which addresses issues of general concern within the field of design, to that which is particular to a proposed design project. Much design research belongs somewhere between these two objectives, serving both to further the general understanding of the designer and to inform a particular design.

Through the design studies subjects completed in years one, two and three of their degree program, all students have been introduced to a range of design research methods. These include strategies for research about design, research for design, and research through design. In this final year subject they draw upon these methods to construct a

Access conditions are available in the individual subject descriptions in the online handbook.

research program that informs and inspires the conceptualisation process for their major design project. In this subject it is intended that research and conceptualisation go hand in hand. This research and conceptualisation process is undertaken independently, mentored by a supervising member of academic staff. Students are expected to display initiative in developing and pursuing their project, and to demonstrate their capacity to arrive at understandings that can significantly enhance the sophistication with which they approach their major design project.

86042 Interior Design Professional Project

12cp

Requisite(s): 86160 Corporate Environments AND 86213 Interpreting Cultural Space AND 86031 Directions in Spatial Experience AND 86150 Consumer Environments

This subject provides a framework within which students further develop and refine their understanding of practice and their capabilities to enter practice. Through work experience or observation students investigate advanced communication strategies and approaches to folio presentation and marketing used within interior design practice, including web, digital and multimedia. The students use the insights gained from their experience or observation of practice to inform the development of an advanced strategy for communicating their design response to a competition or industry brief. This response is developed to the level of a professional project presentation and is then translated into a digital folio piece.

86043 Interior Design Major Project: Realisation

12cp

Requisite(s): 86160 Corporate Environments AND 86213 Interpreting Cultural Space AND 86031 Directions in Spatial Experience AND 86150 Consumer Environments

In response to a detailed design brief, supported by previous research, students explore an established design concept, and through this exploration develop and realise an innovative, holistic and professional design solution to a complex design problem within the diverse discipline of interior design. The solution includes aspects of feasibility and developed rationales for design approaches and strategies. This subject requires students to undertake self-directed study, guided by a supervisor, and informed by their professional capabilities and knowledge. Students are required to undertake critical analysis, synthesis and reflective evaluation as the intellectual basis of their working methodology.

86044 Independent Study

6cp

Undergraduate

Interior design covers a diverse and complex range of issues dealing with the human condition and the built environment. Due to this diversity and complexity, practitioners generally specialise within a sector of the industry. This subject offers students the opportunity to gain a highly developed and detailed understanding of a specialised or specific area of interior design practice.

Entry into this subject is based on the capabilities of the individual student and the appropriateness of the proposed study. Students engage with a specific project through a supervised self-directed learning contract that offers a flexible learning approach. Projects may respond to community and UTS: Design, Architecture and Building needs or to the individual student's preferred direction in his or her academic and career development. This subject may only be undertaken following consultation with and approval by the course director.

Typical availability

Autumn semester, City campus

Spring semester, City campus

86110 Interior Design Communication: Digital Media

6cp

Undergraduate

Computer generated drawing is an intrinsic method of communication within design practice, for the exploration, testing, communication, visualisation and documentation of design ideas and intentions. Within a computer lab environment, students develop skills and understanding of the principles and applications of CAD programs, together with an introduction to other graphic software packages that are directly related to the communication of interior design concepts and projects.

A foundation in the principles and applications of CAD and graphic programs allows students to apply this understanding to the use of other digital platforms.

Typical availability

Spring semester, City campus

86112 Design Studio: Experimentations

12cp

Experimentation in thinking and practice is central to the development of an individual spatial design language and theoretical position that should be reflected in the student's processes and outcomes. In applying previous knowledge of techniques and strategies in the forming and transformation of space as a process for experimentation, this subject investigates the creative possibilities of experimentation as a powerful tool in generating both form and the re/shaping of space to address formal constraints in both propositional and pragmatic student projects.

The design studio constitutes the primary vehicle for student learning and development throughout the Interior and Spatial Design program. At the beginning of semester, students choose a studio that has been presented by a studio leader who outlines the brief, program, theoretical and historical framework. While the scope of subject can differ, all projects are framed by the common theme of experimentation. Studios combine design tutorials, lectures, workshops, symposia, presentations and critical feedback.

86113 Context: Experimentations

6cp

This subject allows students to develop practical experience in explorative, analytical and representational techniques integral to the spatial design processes used in the forming and transformation of space. It includes sketching, photography, lighting and physical and virtual modelling, which feed into the framework of 86112 Design Studio: Experimentations. The learning processes throughout the semester include intensives, workshops, seminars, symposia and exhibitions.

86114 Context: Inhabitations

6cp

This subject examines and explores the possibilities that new material and fabrication techniques give to interior and spatial design. Students develop an understanding of and practical experience in advanced digital fabrication methods as well as material techniques (such as lighting and acoustics) in the formation and transformation of spaces.

The 'Context' subjects are divided in two parts, Techniques and Knowledge, which feed back into the framework of 86529 Design Studio: Inhabitations. The subject employs a diversity of learning processes throughout the semester that include intensives and workshops, seminars, panel sessions and events.

86133 Interior Systems and Design Detail

6cp

Requisite(s): 86023 Light, New Materials and Form AND 86025 Interior Elements and Design Detail AND 86001 Strategies for Interior Design AND 86002 The Human Environment AND 85502 Researching Design History AND 86003 Interior Design Conceptualisation AND 85503 Design Thinking AND 86110 Interior Design Communication: Digital Media AND 86320 Interior Materiality and Design Detail AND 86420 Interior Design Communication

Undergraduate

This subject enhances the student's understanding of building systems and details used in interior spaces. Within an adaptive re-use context, students look at the ways materials, interior elements, construction systems, service systems and technology systems are related to each other and integrated to satisfy project and site-specific design requirements. By understanding the particular application of building systems and details, students gain the knowledge to appropriately design and detail interior projects. Specific studies are made on building enclosures, structural elements, HVAC systems, FF&E (furniture, fittings and equipment), and the Building Code of Australia and Australian Standards with a focus on contract documentation.

Typical availability

Autumn semester, City campus

Spring semester, City campus

86150 Consumer Environments

6cp

Requisite(s): 86025 Interior Elements and Design Detail AND 86024 Hospitality Environments AND 86001 Strategies for Interior Design AND 86002 The Human Environment AND 85502 Researching Design History AND 86003 Interior Design Conceptualisation AND 85503 Design Thinking AND 86110 Interior Design Communication: Digital Media AND 86320 Interior Materiality and Design Detail AND 86420 Interior Design Communication AND 186025 Interior Elements and Design Detail

Undergraduate

This subject explores the design of tangible and intangible communication environments. This includes tangible channel environments represented by stores, shopping centres and service venues, and intangible channels such as new media and the internet. The application of marketing theory and the notion of brand and its realisation within these environments is explored through a series of design projects. Conceptual strategy, concept design, client presentation techniques and contract documents including working drawings are included within the assessment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

86160 Corporate Environments

6cp

Requisite(s): 86021 Interior Design History AND 86022 Sustainable Human Futures: Residential Environments AND 86023 Light, New Materials and Form AND 86024 Hospitality Environments AND 86025 Interior Elements and Design Detail AND 85503 Design Thinking

Undergraduate

The concept of what is a work environment is constantly changing in response to the development of new technologies, global markets and work practices. The predominant focus of this subject is on corporate environments and the considerations and strategies involved in the design of interior work environments that satisfy the interests of corporations and individual workers.

These considerations include three dimensional branding, corporate culture, operational planning, growth, facilities management, facilitation of work processes, flexibility and adaptability and sustainable approaches.

Typical availability

Autumn semester, City campus

Spring semester, City campus

86190 Special Industry Project

6cp

Requisite(s): 86000 Interior Methodology and Space AND 86420 Interior Design Communication AND 86320 Interior Materiality and Design Detail AND 86120 Interior Identity and Space AND 86110 Interior Design Communication: Digital Media AND 86111 Interior Technology

Undergraduate

This subject requires students to explore beyond their basic understanding of the selected subject matter within Industry subjects. It is offered only to third-year students who have completed all prerequisites in the list of Interior Industry subjects and who are capable of being involved in independent study. Students explore a particular area of interest related to Industry subjects through a self-directed learning contract. This flexible learning approach allows for the student to further examine this area of study in greater detail, or to explore another issue relevant to the interior design industry that has an application to his or her academic and career development. Projects that may be offered may respond to special conditions within the community and/or faculty. The Interior Design Director of Program will appoint an academic supervisor for the Special Industry Projects. The range of projects is limited to the capacity of the program and the academic supervisor to facilitate adequate study conditions and to offer support to the students.

Typical availability

Autumn semester, City campus

Summer session, City campus

86213 Interpreting Cultural Space

6cp

Requisite(s): 86002 The Human Environment AND 85502 Researching Design History AND 86003 Interior Design Conceptualisation AND 85503 Design Thinking AND 86021 Interior Design History AND 86110 Interior Design Communication: Digital Media AND 86320 Interior Materiality and Design Detail AND 86420 Interior Design Communication AND 86001 Strategies for Interior Design

Undergraduate

This subject approaches the understanding of diverse cultural spaces through contemporary theories of interpretation. Current and influential interpretations of various cultural spaces, especially those shaped by the world's major religions and by non-European peoples, are presented. Through a series of lectures, seminars and interpretive projects, students are introduced to the diversity of spatial understandings that inform different cultures, both across the world and within a multicultural society. The challenges and possibilities for design within a multicultural world are discussed and engaged with.

86221 Context: Explorations

6cp

The subject provides students with a deeper understanding and ability to integrate and interrelate traditional analogue techniques with multiple software solutions including parametric modelling, remote sensing, motion capture and data visualisation, output through digital hardware that could include advanced digital fabrication, rapid prototyping, and laser cutting.

This subject is divided into two parts, technique and discourse. Both feed directly into the framework of the 86531 Design Studio: Explorations. The learning processes throughout the semester include intensives, workshops, seminars, symposia and exhibitions.

86222 Context: Interdisciplinary

6cp

This subject provides students with a deeper understanding of the influences and benefits of other design practices through an interdisciplinary teaching structure. Through the integration of discipline specific lectures and associated learning methods, students gain a broad knowledge of how design thinking and design practices converge to create new potentials for communicating design. This subject explores interdisciplinary practice through analogue and digital methods.

86223 Design Studio: Industry

12cp

This studio introduces students to the negotiation of spatial outcomes through community-based and collaborative design approaches. Students take part in a design project, learning professional practice skills in documentation, communication, negotiation with stakeholders and construction. The studio focuses on the student's ability to generate design propositions across a diverse range of design scenarios and negotiate final propositions with multiple stakeholders.

The design studios constitute the core of teaching and learning throughout the Interior and Spatial Design program. Design projects are framed within a theoretical discourse and positioning within the studio environment. At the beginning of semester students choose from a selection of projects presented by staff. Projects aim to build spatial intelligence and innovate environments through thoughtful and rigorous individual design processes. Over the three projects students develop their own theoretical positions.

Projects have common objectives and framing in the studios, with students working alongside studio leaders on specific approaches and design thinking. Each studio incorporates a specified history and theory component. Studios involve a combination of design tutorials and lectures, workshops and intensive studios, and presentations and panel feedback sessions.

For many students this subject is their last studio before gaining an undergraduate degree in Interior and Spatial Design. This final semester aims to be a mirror to the practice of design and students need to demonstrate a level of professionalism, initiative and commitment throughout the semester.

The project relies on students' own efforts and commitment. Students are asked to work professionally both individually and in groups, reflecting the reality of practice.

Access conditions are available in the individual subject descriptions in the online handbook.

86320 Interior Materiality and Design Detail

6cp

Undergraduate

Materials are the physical interface that informs us about our surroundings and influences how we experience a particular environment. Through the study of materials and sustainable principles, students develop an understanding of how the behaviour, performance and aesthetic qualities of materials inform material selection in interior design. Students develop a generic vocabulary of materials and structures by exploring these key criteria and how they interrelate. Through lectures, seminars, workshops and tutorials, students develop the ability to communicate design ideas and construction through materials boards, orthographic drawing, model making, detailing and CAD.

Typical availability

Autumn semester, City campus

86321 Design Studio: Investigation

12cp

This studio focuses on developing strategies and practices that form the basis of students' culminating honours project. Students are encouraged to build on the breadth of knowledge gained in their undergraduate study and to develop new systems of design process. The outcome from this studio is to develop conceptual thinking and design processes to further enable the students towards their final design studio (86400 Design Studio: Realisation).

Students are expected to display initiative in developing and pursuing their project, and to demonstrate their capacity to arrive at understandings that can significantly enhance the sophistication with which they approach their major design project.

86322 Design Studio: Directions

12cp

Recommended studies: investigations into the structure and nature of design through the context of analysing precedents and forwarding new strategies; developing and furthering interior design and to its associated discipline of spatial design programming

This studio operates in tandem with 86321 Design Studio: Investigation, allowing students to test and interrogate their ideas through a series of design projects. Students are exposed to professionals in the field to develop their ideas and realisation. This allows for the integration of professional practices in areas such as modelling, high-level conceptualisation and creative thinking, and experimental spatial construction to be part of a student's frame of reference. Students are challenged to engage with these new processes in a rigorous and professional manner.

Projects are particular to each year, carefully curated and coordinated to ensure their relationship and value to students' final projects in semester 2.

86400 Design Studio: Realisation

24cp

In response to a design brief supported by the research accumulated and examined in the first semester, students explore, develop and realise an innovative, holistic and professional design solution to a complex design problem within the diverse field of interior and spatial design. This subject requires students to undertake self-directed study supported by class tutorials and presentations. Students are required to undertake critical analysis, synthesis and reflective evaluation as the intellectual basis of their working methodology. The final design outcome is visually and verbally presented to and examined by a panel of experts, comprised of academics and practitioners.

86420 Interior Design Communication

6cp

Undergraduate

For interior designers the issue of communication is vitally important and requires a clear understanding of the representation of ideas. These ideas, in order to be understood, need to be visualized by the designer and in turn expressed through various levels of communication to other designers, clients, consultants, project managers, developers, contractors and users. This subject focuses on the development of skills in free drawing/illustration, measured drawing, three dimensional representation and model making. Multiple approaches to communication skills and techniques are introduced to enhance the basic skills of the student.

Typical availability

Autumn semester, City campus

86529 Design Studio: Inhabitations

12cp

This studio provides complex and challenging interior and spatial design briefs. Students incorporate research techniques and design methods derived from previous studios into cohesive design projects. Experimentation in thinking and practice is encouraged as a means toward developing an individual design approach. There is an emphasis on well-considered and crafted, finished outcomes.

The design studios constitute the core of teaching and learning throughout the Interior and Spatial Design program. Design projects are framed within a theoretical discourse and positioning within the studio environment. At the beginning of semester students choose from a selection of studios presented by staff. Projects aim to build spatial intelligence and innovate environments through thoughtful and rigorous individual design processes.

Projects have common objectives and framing in the studios, with students working alongside studio leaders on specific approaches and design thinking. Each studio incorporates a specified history and theory component. Studios involve a combination of design tutorials and lectures, workshops and intensive studios, and presentation and panel feedback sessions.

86530 Design Studio: Performative Spaces 1

12cp

This studio builds spatial understanding and creativity in the design of performative spaces. Engaging techniques and methods from scenography, theatre design, installation design, cinematography and media design, this studio allows students to develop design skills in working across the spectrum of performance. Analysis and experimentation focuses on relationships between narrative, space and form.

The design studios constitute the core of teaching and learning throughout the Interior and Spatial Design program. Design projects are framed within a theoretical discourse and positioning within the studio environment. Projects aim to build spatial intelligence and to innovate environments through thoughtful and rigorous individual design processes.

86531 Design Studio: Explorations

12cp

The subject combines prior learning with additional design tools that include strategic analysis, and system/network frameworks that support an exploration of individual themes and language applied to the proposed studio projects. Incorporating these and other design tools into the formal process of redefining the design brief, students are encouraged to negotiate spatial design outcomes that clearly articulate an individual design sensibility and a clear position within a cohesive final design project.

This subject encourages students to engage with contemporary explorative design processes focusing on formal and theoretical methods of spatial articulation. Design projects have an emphasis on the exploration of production strategies leading to new kinds of spaces and environments.

The design studio constitutes the primary vehicle for student learning and development throughout the Interior and Spatial Design program. At the beginning of semester, students choose a studio that has been presented by a studio leader who outlines the brief, program, theoretical and historical framework. While the scope of subject can differ, all projects are framed by a common theme. Studios combine design tutorials, lectures, workshops, symposia, presentations and critical feedback.

86533 Design Studio: Performative Spaces 2

12cp

Recommended studies: 86530 Design Studio: Performative Spaces 1

This studio focuses on performative space with emphasis placed on its narrative, transformative and media aspects. Students undertake research and design projects. Skills, including prototyping and fabrication, are acquired in order to realise projects at scales of up to 1:1.

Design projects are framed within an interdisciplinary discourse on the performative aspects of space. They are positioned within the studio environment. Projects aim to build spatial intelligence and to innovate environments through thoughtful and rigorous individual design processes.

The design studio constitutes the primary vehicle for student learning and development throughout the Interior and Spatial Design program. At the beginning of semester, the studio leader outlines the brief, program, theoretical and historical framework. This studio involves design tutorials, lectures, workshops, presentations, site visits and critical feedback. It also forms the second part of the Performative Spaces sub-major.

86780 Interior Design Research Dissertation

6cp

Requisite(s): 86000 Interior Methodology and Space AND 86420 Interior Design Communication AND 86320 Interior Materiality and Design Detail AND 86120 Interior Identity and Space AND 86110 Interior Design Communication: Digital Media AND 86111 Interior Technology

This subject requires students to develop a research project in conjunction with a supervising lecturer on a topic or an area of study that supports the student's personal direction and career orientation within design practice. Topics must relate to issues of interior design (e.g. its practice, theory, philosophy, history) or to related issues such as environmental systems or design phenomena. These topics may form the basis of the student's major project topic in the second semester. Every student investigates a chosen topic and prepares a written paper of 8000-10,000 words. It is expected that the paper demonstrates a high standard of research and appropriate standard of referencing and expression. The text may be supported by visual material.

Typical availability

Autumn semester, City campus

86871 Professional Practice for Interior Designers

6cp

Requisite(s): 86041 Interior Design Major Project: Research and Conceptualisation AND 86042 Interior Design Professional Project

Undergraduate

This subject requires the student to develop a clear understanding of professional practice as applied to the practice of interior design. Through a series of lectures, tutorials, research tasks and projects, the student explores the issues of environmental planning laws and regulations, the role of local government and other authorities, understanding the application and approval systems applicable to interior design projects in NSW, and the general requirements needed to successfully practice interior design in NSW. Specific study is made of the following: planning law, development application procedures, extent of approvals required for interior design projects, insurance requirements, commercial, legal and ethical responsibilities of an interior designer, and general management of an interior design practice.

Typical availability

Autumn semester, City campus

86872 Interior Design Seminar

6cp

Requisite(s): 86000 Interior Methodology and Space AND 86420 Interior Design Communication AND 86320 Interior Materiality and Design Detail AND 86120 Interior Identity and Space AND 86110 Interior Design Communication: Digital Media AND 86111 Interior Technology

Undergraduate

This subject requires students to reflect upon the current issues of interior design and their course of studies in the program. A series of seminars by experts in the field addresses issues of design management, technologies, theories, and/or industry practice. Students are also guided through research, analysis and development of these ideas towards the completion of a clear design brief for their major project. Information and insight gained from the seminars aids this process.

Typical availability

Autumn semester, City campus

86880 Interior Design Major Project

24cp

Requisite(s): 86872 Interior Design Seminar AND 86871 Professional Practice for Interior Designers AND 86780 Interior Design Research Dissertation

There are also course requisites for this subject. See access conditions.

Undergraduate

This subject requires the student to demonstrate self-directed learning on a selected project of his or her choice. Advice from academic supervisors in studio sessions helps the student select and complete his or her program of studies. Students are required to undertake the design of a complex interior design project that tests issues raised and knowledge gained throughout the course. The project allows students to develop an holistic solution demonstrative of their abilities as final-year design students, and also requires them to demonstrate a professional attitude to their work as a prelude to the practice of Interior Design after graduation. The project's assessment is based on the supervisor's assessment of the student's work methods, and a panel assessment that takes into account the stated aims of the project and the level that they have been achieved. Preparation for this subject is carried out at the end of 86871 Professional Practice for Interior Designers through the completion of the major project research.

Typical availability

Spring semester, City campus

87007 VC Technology: Pre-press and Print Production

6cp

Requisite(s): 87333 VC Technology: Typography, Text and Form AND 87443 VC Project: Typography in Context

Undergraduate

Designers are expected to handle a wide range of technical issues when preparing their designs for print. Before the development of Macintosh computers and PCs, prepress tasks such as scanning, trapping, imposition and colour correction were performed exclusively by skilled specialists working manually or on very expensive proprietary systems. Although some of these tasks are now done with inexpensive software programs, the designer is often now responsible for these specialist techniques. It is important to understand these processes in order to avoid costly errors and to get the best results on any particular design job. This subject aims to give practical experience in the problems involved, and the solutions available, in preparing files for print, and to develop proficiency in the relevant software packages.

Typical availability

Summer session, City campus

87100 VC Project: Ways of Seeing

6cp

Undergraduate

In this subject, students gain an understanding of the fundamental formal and communication aspects of visual communication. They also begin to develop the working processes of a designer and learn how to articulate their ideas to others.

In the first half of the subject students investigate the fundamentals of human perception – how our minds determine shape and form from visual data and draw meaning from them. Theories of gestalt perception: figure and ground, closure, proximity, area, symmetry; are taught through lectures and practical exercises. Students also come to understand how our physical experiences of the world, for example weight and speed, influence the way we interpret graphic form.

In the second half of the subject students undertake photography and illustration to investigate how images can communicate ideas, both directly and through visual metaphor, simile, and juxtaposition. Experiments from this process are developed into image/text compositions in the form of posters.

Typical availability

Autumn semester, City campus

87117 VC Technology: Visible Language

6cp
Undergraduate

The subject introduces the historical and contemporary design, production and application of typographic forms as the visual extension and expression of the spoken word and written text. The design and production of letterforms and typefaces is examined in the context of typography, a keystone language of visual communication.

Typical availability

Autumn semester, City campus

87118 VC Studies: Image Experimentation

6cp

The subject introduces students to the making and analysis of hand and media-generated images with the aim of developing their visual acuity. The lectures explore the technological development and contemporary uses of the image in print, photography, cinematography, animation, interactive multimedia, and the World Wide Web. Theories of semiotics and visual rhetoric are introduced as tools for analysis.

Typical availability

Autumn semester, City campus

87221 VC Studies: Histories of Visual Communication

6cp
Undergraduate

The subject examines the philosophical or other theories that have shaped contemporary visual communication design. Students gain an understanding of visual culture and the impact of contemporary thought on the design of visual communication. Discussion covers topics raised by modernism, deconstruction and post-modernism.

Typical availability

Spring semester, City campus

87222 VC Project: Symbols and Systems

6cp
Undergraduate

This subject explores the historical development and contemporary applications of pictographic, iconographic and ideographic symbols; the use and value of symbolic and metaphoric imagery; grouping, framing, hierarchy and narrative sequence as visual systems; and the role of user studies in visual communication.

Typical availability

Spring semester, City campus

87333 VC Technology: Typography, Text and Form

6cp
Undergraduate

This subject advances students' knowledge and skill in the design and production of words and texts as well as the design of individual letterforms and typefaces. Following on from VC Technology: Visible Language, this subject overviews the historical development of written languages in the context of technological change, and critically examines contemporary applications of typographic forms. Through lectures and studio-practice, students achieve a progressive level of literacy in visual technologies and issues such as figure/ground relationships, hierarchical structures, spatial organisation, text setting for legibility and readability, typographic detailing of headline copy as well as individual letterforms.

Students are encouraged to integrate theory and practice, with theoretical issues presented and critically analysed in lectures, then personally researched through practical investigation. Knowledge and skills gained in this subject support the processing and presentation of design project work. The use of technologies for word/text processing and production are demonstrated and practical experience is gained in design studios and computing laboratories, which introduces and demonstrates the use of advanced applications of software programs that directly support the examination and processing of typographic forms and applications.

Typical availability

Spring semester, City campus

87335 VC Project: Sequence and Narrative

6cp
Requisite(s): 87100 VC Project: Ways of Seeing AND 87222 VC Project: Symbols and Systems
Undergraduate

In this subject, students gain experience in researching and generating ideas. The lectures focus on the historical evolution and contemporary state of design and production technologies in the media. Project work asks students to explore the pictorial representation of movement and narrative in its still and moving-image forms: in cartoons, animation, film, and video. Students are able to develop their skill in storyboarding ideas for these various forms.

Typical availability

Autumn semester, City campus

87441 VC Studies: Contexts of Visual Communication

6cp
Requisite(s): 87118 VC Studies: Image Experimentation AND 87221 VC Studies: Histories of Visual Communication
Undergraduate

This subject takes students through several research approaches including a generative process of visual mapping with text and image, an experimental interview process and an introduction to secondary research - online and in the library. Through these research approaches students identify processes, practices and issues impacting on contemporary visual communication designers. These may include the implications of technological change, social responsibility and sustainability.

Typical availability

Spring semester, City campus

87443 VC Project: Typography in Context

6cp
Requisite(s): 87118 VC Studies: Image Experimentation AND 87333 VC Technology: Typography, Text and Form
Undergraduate

This subject introduces topics in contemporary typographic practice. Students are required to undertake or develop: empirical research on reading habits; intelligent analysis of written texts; a highly refined awareness of typographic detailing leading to the processing and execution of sophisticated typography and print design. The topics of legibility, readability, communication-interface and navigation systems in print design are covered. Computer lab practice in relevant software develops the essential skills in synthesis of typography and images required for later subjects.

Typical availability

Autumn semester, City campus

87445 VC Project: Visualising Experience

6cp
Requisite(s): 87100 VC Project: Ways of Seeing AND 87222 VC Project: Symbols and Systems
Undergraduate

This subject explores visual communication design in the context of complex informational and technological systems. Students design interactions within these systems that are a response to what they observe in the world through basic design research methods. Through these research methods students identity and frame relationships among people, information, technology and their contexts and seek to use their findings to generate novel (new) design concepts that are thoughtful, empathic, human-centred, speculative, or useful. Students are introduced to ways of communicating and visually representing their concepts that could include exhibition design, environmental graphics, urban interventions, interactive or responsive objects or environments.

Typical availability

Spring semester, City campus

87447 VC Technology: Motion Graphics

6cp

This subject introduces students to the design and production of motion graphics. The expressive potential of relationships between graphic elements, time and motion is explored. Fundamental concepts of image development, typographic design, visual composition and editing are addressed. Students engage in experimental production using relevant computing technologies.

Typical availability

Spring semester, City campus

87500 VC Special Project

6cp

Requisite(s): 87335 VC Project: Sequence and Narrative AND 87445 VC Project: Visualising Experience

Undergraduate

This subject may be taken in lieu of 87555 VC Project: Design Practice or 87665 VC Project: The Community. Students require approval from the visual communication course director to enrol in this subject. The subject is designed to enable students to participate in independent learning opportunities relevant to visual communication research and/or practice. Such opportunities may include but are not limited to:

- visual-communication competitions
- industry placement internships
- master-class projects run by leading industry professionals
- live external visual communication projects
- self-initiated projects
- University-initiated projects.

The range of projects is limited by internal and external availability, the capacity of the program to facilitate appropriate study conditions, and the capacity of the program and/or external body to provide appropriate support to students. Learning is largely independent and self-directed and, in most instances, is framed by a detailed and pertinent learning contract.

87539 VC Technology: Introduction to Web Media

6cp

Requisite(s): 87333 VC Technology: Typography, Text and Form AND 87443 VC Project: Typography in Context

Undergraduate

The web (or world wide web) is how we all commonly experience and use the internet. Today the web has a pervasive presence in our lives extending beyond the desktop computer to mobile phones, tablets and further to other connected devices, objects and spaces. Through the web we access information, communicate, connect, experience.

In this field there are many facets of design involved in generating content for the web. Interface design, information design, information architecture, user experience design, interaction design, etc. Through this subject students gain a basic understanding of some of these facets of design and the production of content for websites. The design environment of the screen - the constraints and considerations - is explored. Students learn to apply their existing design skills and understanding of design principles and elements to design for the web. Using design as a conduit, students communicate information on the web through the integrated use of text, image and other media elements.

Publishing content on the web is an integral step in the introduction to web media. Technically this course introduces the basic technologies of client-side web development working with HTML, CSS and Javascript. These are the basic underlying mechanisms for realising creative online content.

Typical availability

Summer session, City campus

87549 VC Technology: Introduction to Interactive Media

6cp

Requisite(s): 87333 VC Technology: Typography, Text and Form AND 87443 VC Project: Typography in Context

Undergraduate

We are constantly interacting with the world around us and are increasingly engaging with interactive devices, interfaces and systems. Understanding interaction as well as the expressive abilities and processes of the digital and code is an integral part of a contemporary design practice. In this subject students focus on the nature of the digital and interactivity itself, with a view to the core theories and skills covered being cross-disciplinary and relevant in many current fields of design and creativity.

In this subject, through observing, making and playing with interactive devices, interfaces and systems, students explore and gain an understanding of the concepts and methods of interaction; to develop a sensitivity to our designed world (Rheingold, 1990) and the way people interact with the world and designs. Students use Processing (www.processing.org) to explore concepts covered in class and communicate their ideas, making on-screen interactive works that create relationships between people and computer-controlled environments.

Processing is an open source programming language and development environment that can create expressive interactive structures that combine text, image, video and sound.

Typical availability

Autumn semester, City campus

May be run in intensive mode in Summer or Winter session.

87551 VC Studies: Concepts of Professionalism

6cp

Requisite(s): 87441 VC Studies: Contexts of Visual Communication

Undergraduate

This subject introduces students to a variety of views and critiques of professionalism in visual communication. Lectures may cover analytical and critical approaches to design and production in professional visual communication practice; the role and responsibilities of the professional designer; professional case studies; business management and accounting; preparing for employment; legalities and liabilities; the client/designer relationship; the structure of work practices in design; and the role of professional bodies. Students research the areas of the visual communication profession that they intend to move into using research methods such as interviewing, focus groups, and quantitative data collection and analysis.

Typical availability

Autumn semester, City campus

87555 VC Project: Design Practice

6cp

Requisite(s): 87335 VC Project: Sequence and Narrative AND 87445 VC Project: Visualising Experience

Undergraduate

This subject focuses on the professional demands of visual communication practice. Students present project briefs integrating client consultation, teamwork, user studies, case studies, production sourcing, professional specification writing, pre- and post-production detailing and business. Students are called upon to research, analyse, process and present visualised concepts for complex projects real or equivalent to those undertaken in practice. This may occur in both individual and group-based projects.

Typical availability

Autumn semester, City campus

87559 VC Technology: Introduction to Video Media

6cp

Requisite(s): 87447 VC Technology: Motion Graphics AND 87443 VC Project: Typography in Context

Undergraduate

In this subject, students engage in the production (recording and capture) and post-production (compositing, colour-grading, soundtrack design) of digital video. Students are introduced to current work practices in digital video planning and production, and gain hands-on experience with the technology involved in digital video production, utilising relevant software.

Typical availability

Autumn semester, City campus

May be run in intensive mode in Summer or Winter session.

Access conditions are available in the individual subject descriptions in the online handbook.

87569 VC Technology: Historical Photo Media

6cp
Requisite(s): 87447 VC Technology: Motion Graphics AND 87443 VC Project: Typography in Context
Undergraduate

Digital compositing and motion graphics involve the combination of various source elements, such as live action video, stills, text, animations and sound, to create an integrated result. Combining all of these media into a seamless whole can be a challenging technical and creative exercise. This subject enables students to further their understanding of the professional design practices and techniques developed in the prerequisite subjects.

Typical availability

Autumn semester, City campus

87600 VC Special Project 2

6cp

For further details, contact UTS: Jumbunna Indigenous House of Learning.

87631 Design Studio: Text and Image 1

12cp

This intensive subject introduces the core formal and theoretical foundations of visual communication. A series of fast-turnaround studio-based exercises explore the fundamentals of image, text and their interrelationship. Through these exercises students develop practical understandings of form, colour, composition, typography, hierarchy, juxtaposition and sequencing. These formal skills are developed alongside an understanding of the communicative role that image and text play. A parallel lecture series introduces key theoretical understandings of visual communication, embedding the exercises within the larger conceptual framework of practice and visual culture.

87632 Design Studio: Text and Image 2

12cp

In this subject students advance their understanding of the formal, material and technology based practices relevant to visual communication design. Students integrate practical investigations in typography and image-making with the theoretical and conceptual frameworks presented in lectures and studio. Students critically assess the significance of developments in their work, building a portfolio that reflects their emerging commitments and concerns. A lecture series grounds student practice within a historical overview of design developments through the 20th Century. The cultural, social and economic context of design is explored.

87639 VC Technology: Advanced Web Media

6cp
Requisite(s): 87333 VC Technology: Typography, Text and Form AND 87443 VC Project: Typography in Context
Undergraduate

This subject provides students with the opportunity to further explore and develop their understanding of visual communication on the web to produce more complex and sophisticated outcomes that are responsive, data driven or interactive. Students are introduced to the fundamentals of responsive web design to create flexible design systems that adapt to the viewing environment in anticipation of the array of devices and screens through which their designs are to be viewed. The JavaScript programming language is covered in depth to provide students the skills to create dynamic or interactive projects. Basic concepts of usability and theories of interaction are also surveyed. Much of the learning experience occurs through working on projects and students are encouraged to experiment, to undertake self-directed learning and to integrate research, theory and practice.

Typical availability

Spring semester, City campus

May be run in intensive mode in Summer or Winter session.

87649 VC Technology: Advanced Interactive Media

6cp
Requisite(s): 87333 VC Technology: Typography, Text and Form AND 87443 VC Project: Typography in Context
Undergraduate

This subject enables students to further their understanding of the professional framework and techniques associated with interactive design production. Students extend their knowledge of Flash and Fireworks but focus on advanced Lingo programming for MacroMedia Director. Students are encouraged to integrate theory and practice and to experiment. Whenever possible, projects are introduced that require students to integrate language and image in multimedia or other presentations, and to collaborate in research.

Typical availability

Spring semester, City campus

May be run in intensive mode in Summer or Winter session.

87659 VC Technology: Advanced Video Media

6cp
Requisite(s): 87447 VC Technology: Motion Graphics AND 87443 VC Project: Typography in Context
Undergraduate

Digital compositing and motion graphics involve the combination of various source elements, such as live action video, stills, text, animations and sound, to create an integrated result. Combining all of these media into a seamless whole can be a challenging technical and creative exercise. This subject enables students to further their understanding of the professional design practices and techniques developed in the prerequisite subjects.

Typical availability

Spring semester, City campus

May be run in intensive mode in Summer or Winter session.

87665 VC Project: The Community

6cp
Requisite(s): 87335 VC Project: Sequence and Narrative AND 87445 VC Project: Visualising Experience
Undergraduate

Teamwork, professionalism and community service form the basis of this subject. As members of design teams, students take part in projects with real clients from community-based organisations. They learn to work at a professional level, executing designs of a professional standard. Typical project work includes client briefings and interim presentations, team and project management, user testing where feasible, product sourcing and specification, and the formal oral presentation of a visual design to the client or peer group.

Typical availability

Spring semester, City campus

87669 VC Technology: Digital Photo Media

6cp
Requisite(s): 87333 VC Technology: Typography, Text and Form AND 87443 VC Project: Typography in Context
Undergraduate

This subject explores the short history and practice of photo-based digital montage with particular reference to beliefs about what is real. The relationship between 'photographic' and constructed imagery is investigated. Advanced Photoshop manipulation techniques, as well as topics relating to input and output devices and resolution, are covered. Students are encouraged to reflect analytically on their practice and to experiment. Whenever possible, projects are introduced that require students to integrate language and image in multimedia or other presentations, and to collaborate in research.

Typical availability

Spring semester, City campus

May be run in intensive mode in Summer or Winter session.

87731 Design Studio: Visual Experimentations

12cp

This subject further develops students' capacity to make and analyse hand and media-generated images and expand their possibilities beyond the static. The semester is divided into three parts with each student having the opportunity to explore photography, image-making and graphics in motion in small groups. The lectures explore the technological development and contemporary uses of the image in print, photography, cinema, animation, interactive multimedia and the World Wide Web. While the primary focus of this subject is visual investigations and experimentation with images, an emphasis on the relationship between images and text will remain. Students continue to develop their analytic skills, critically reflecting on the development of their work and its context.

87772 VC Project: Self-direction

6cp

Requisite(s): 87555 VC Project: Design Practice AND 87665 VC Project: The Community

For further details, contact UTS: Design, Architecture and Building.

87773 Visualising Research

12cp

Requisite(s): 85701 Research Based Designing AND 87555 VC Project: Design Practice AND 87665 VC Project: The Community AND 87551 VC Studies: Concepts of Professionalism

Undergraduate

This studio encourages students to challenge the conventional positioning of visual communication and to re-imagine it as a site for provocation, speculation and experimentation. Central to this is an engagement with practice-led research, enabling students to investigate complex issues through visual communication design processes.

Students develop their visual and conceptual abilities through self-directed projects. Students work in small supervisory groups, developing a culture of critique and experimentation necessary to facilitate meaningful design artefacts, experiences and environments.

Students are expected to produce a substantial project that evidences advanced practical and theoretical design expertise. Studio participants also have the opportunity to challenge the material boundaries associated with visual communication practice by working with emerging digital technologies and new materials alongside more established methods of production. Outcomes can be static or interactive, print or digital, objects or installations, and could incorporate sound or moving image.

Typical availability

Autumn semester, City campus

87780 VC Studies: Research Dissertation

6cp

Requisite(s): 87551 VC Studies: Concepts of Professionalism

There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Design, Architecture and Building.

87831 Design Studio: Visual Communication and Strategic Design

12cp

This subject introduces students to emerging areas of innovation and change within local and international contexts. By examining the role of visual communication in strategic design, students familiarise themselves with current theories and practices, in business, social and cultural environments, that are relevant to design. Through primary and secondary research, in groups and individually, students are asked to engage with research and design approaches that include: human-centred design; participatory practices and collaborative design; systems and service design; social action and design for change; action research and critical practice. Project outcomes communicate the results of investigations and experiments using appropriate visual communication design.

87832 Design Studio: Design Practice

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

87880 Major Project VC

24cp

Requisite(s): 87773 Visualising Research

There are also course requisites for this subject. See access conditions.

Undergraduate

This final project subject combines all study fields and completes study in the visual communication course. Students receive individual supervision and move through the final stage from dependence to self-directed, lifelong learner. Students develop a project that showcases their expertise and best reflects their creative and professional aspirations. Final projects can take many forms and can include books, magazines, posters, packaging, films, videos, CDs and websites. All projects require students to undertake critical analysis, synthesis and reflective evaluation as the intellectual basis of their working methodology. Students are required to independently define and address issues relating to appropriate use of technology and production processes, user testing, production scheduling and project management, and the appropriateness of design form to communicative intent. Assessment is undertaken by a panel of academics advised by external professional designers.

Typical availability

Autumn semester, City campus

Spring semester, City campus

87900 Design Research: Major Project VC

24cp

Further information on this subject is available from UTS: Design, Architecture and Building.

87931 VC Extensions A

6cp

Further information on this subject is available from UTS: Design, Architecture and Building.

87932 VC Extensions B

6cp

Further information on this subject is available from UTS: Design, Architecture and Building.

87933 Design Research: Visualising Research

12cp

Further information on this subject is available from UTS: Design, Architecture and Building.

88000 Object and Accessory Design 1: Foundations

6cp

Undergraduate

The design of small, low function, high aesthetic products and accessories underlies the start up of many small design-oriented businesses whose main focus is the design of this type of consumer product. Companies such as Fink Design, Mambo, Dinosaur Designs, etc., have successfully built on their understanding of market and manufacture to the point where they have international reputations and market share. Understanding what makes a design attractive, feasible, and economic to manufacture on a low threshold basis is fundamental to success or failure in this endeavour. This subject can be seen as a 'foundation course' in understanding the complexities of design proportion, form and visualisation. The subject aims at building the design and design communication skills of participating students through a range of 2D graphic and 3D physical modelling exercises.

Typical availability

Autumn semester, City campus

88001 Object and Accessory Design 3: Soft Tooling and Rapid Prototyping

6cp
Requisite(s): 88300 Object and Accessory Design 2: The Cast Object OR 88002 Object and Accessory Design 2: The Cast Object
Undergraduate

The design of small, low function, high aesthetic products and accessories underlies the start up of many small design-oriented businesses whose main focus is the design of small high aesthetic-low function objects and accessories. Companies such as Fink Design, Mambo, Dinosaur Designs, etc., have successfully built on their understanding of market and manufacture to the point where they have international reputations and market share. Understanding what makes a design attractive, feasible, and economic to manufacture on a low threshold basis is fundamental to success or failure in this endeavour.

Typical availability

Spring semester, City campus

88002 Object and Accessory Design 2: The Cast Object

6cp
Requisite(s): 88100 Object and Accessory Design 1: Foundations OR 88000 Object and Accessory Design 1: Foundations

The design of small, low function, high aesthetic products and accessories underlies the start up of many small design-oriented businesses whose main focus is the design of this type of consumer product. Companies such as Fink Design, Mambo, Dinosaur Designs, etc., have successfully built on their understanding of market and manufacture to the point where they have international reputations and market share. Understanding what makes a design attractive, feasible, and economic to manufacture on a low threshold basis is fundamental to success or failure in this endeavour.

Typical availability

Autumn semester, City campus

88003 Object and Accessory Design 4: Capstone Project

6cp
Requisite(s): 88200 Object and Accessory Design 3: Soft Tooling and Rapid Prototyping OR 88001 Object and Accessory Design 3: Soft Tooling and Rapid Prototyping

This subject is the capstone for the Object and Accessory Design sub-major.

As a major project, the subject aims to bring together the skills developed over the preceding three semesters while at the same time giving students the freedom to create, develop and have manufactured (or manufacture themselves, if appropriate) an object or accessory using either the manufacturing processes studied in earlier semesters or using a process(es) which they have researched themselves. Guest lectures by designers involved in the production, marketing and sale of small objects back up the student's own research into areas of interest.

Typical availability

Spring semester, City campus

88004 Textiles: Print

6cp
Undergraduate

This subject introduces students to the principles of textile print and pattern. A series of drawing workshops introduce students to creative approaches to print design through experimentation in mark and image making. The emphasis is on creative exploration and development of textile ideas in original and thoughtful ways; students develop original artwork and explore inventive scale and imagery in relation to textiles. Students are introduced to methods and techniques used in the fashion and textile industries to generate print designs, including textile repeat systems, placement prints, digital and screen-printing methods. This subject introduces students to the fundamental techniques of creating print repeats and students learn how to prepare artwork for patterned repeat and large-scale textile production. Students also learn how to design and engineer placement prints for the body. An emphasis throughout the subject is placed on a professional and sustainable print room practice.

Typical availability

Autumn semester, City campus

88005 Textiles: Installation

6cp
Undergraduate

In this subject students challenge the traditional practices of textile design in order to explore future textile possibilities in the context of contemporary art practice. The work of key designers and artists is introduced and students engage with a theoretical and experimental approach to textiles. The subject is linked to exhibition site visits and research develops around the study of international exhibitions and practices. Research informs the student engagement with the practice of textile installation and environments. A series of lectures and workshops contextualises textiles as an interdisciplinary practice and enables students to apply knowledge into a self-directed conceptual project for site-specific application. An emphasis throughout the subject is placed on a professional and sustainable print room practice.

Typical availability

Spring semester, City campus

88006 Textiles: Dye Methods

6cp
Undergraduate

This subject introduces students to the principles of dye, colour and resist patterning as they relate to fashion textiles. Through a series of dye workshops, students are introduced to both traditional and contemporary dye techniques and are encouraged to investigate innovative approaches to colouring and patterning cloth. In studios, students experiment with natural dyes, mordants and commercial dyes including acid and reactive dyes. Students explore rich cultural textile histories including the ancient arts of Japanese Shibori and Indigo dyeing. This subject introduces students to methods of generating resist textile patterning through techniques such as binding, stitching, tying and pleating. The studio explores natural fibers and fabrics and their relationship to dye techniques. Through material experimentation, students develop textile concepts and colour sensibilities in a sophisticated and individual way. An emphasis throughout the subject is placed on a professional and sustainable print room practice.

Typical availability

Spring semester, City campus

88007 Textiles: Surface Form

6cp
Undergraduate

This subject introduces students to three-dimensional textiles through an in-depth exploration of thermoplastic and other surface form techniques. Thermoplastic techniques are widely used in innovative textiles and inventive applications. Through applications of heat shaping, synthetics can be manipulated to permanently memorise shape or surface texture. In studio, students experiment with a variety of thermoplastic techniques as a means to discover new pleat geometries and the inherent design potential in sculpted surfaces. Other surface form techniques that are explored in this subject include bonded fabric applications such as felt making, and experimental knitting techniques, with the emphasis on technical textile innovation. In studio, students are introduced to the work of key contemporary textile designers. An emphasis throughout the subject is placed on a professional and sustainable studio practice.

Typical availability

Autumn semester, City campus

88009 Modern Places

6cp
Undergraduate

Contemporary photographic practitioners utilise their medium to explore notions of contested territory, the everyday, liminal space, and the contemporary sublime. Photography's historical relationship to anthropology continues to inform documentary practices that deal with how people interact with space and place, albeit with the most interesting work in more self-reflexive ways. This subject challenges the student to create a series of images that represents ideas about a sense of place in modern society. Approaches might include the architecture of commercial spaces like shopping centres; places that are connected with travel such as airports, motorways, car parks, etc.; suburbia; 'natural' landscapes and modern farming; wastelands and ruins; or familiar or uncanny spaces. Ultimately, the images should communicate something about the nature of modern environments and the ways in which they affect us.

Typical availability

Spring semester, City campus

88201 Animation Studio: VFX Design Introduction

12cp

This subject introduces students to the design of VFX events, pre-visualisation and the manipulation in 2D live action and 3D CGI environments. On a practical level, VFX is explored through 2D compositing – a system of building up layers of shot and digital elements to create a final image and 3D CGI, where 3D dynamic objects and figural models are modelled, rigged and animated, using computers before being rendered and composited into each shot. On a theoretical level, VFX is explored and discovered through a design lens with an understanding of the structure and composition of a narrative event and the associated aesthetic and design issues involved in object design and the creation of performative cinematic spaces.

88202 Animation Studio: VFX Design Advanced

12cp

This subject advances the student's competency and conceptual understanding of VFX design with an emphasis on the simulation of animate and inanimate figural and non-figural events. It builds upon 88201 Animation Studio: VFX Design Introduction in both 2D and 3D environments through advanced understanding of the camera and cinematic space including mapping and application of particle systems, data visualisation, movement capture and advanced CGI and High Dynamic Range (HDR) photographic compositing. In fostering their conceptual development, students are encouraged to explore and discover emerging and new solutions that result from technological developments through industry standard software (i.e. Nuke and Shake) with an emphasis on performative content such as theatre, event dramaturgy, dance and the performing arts.

88211 Animation Studio: Narrative Experimentations

12cp

In the context of this studio, students build on 82320 Animation Studio: Narrative Investigations, gaining greater understanding of the performative aspects of animation through the closer study of behaviour, intention and gesture. Students explore ways of constructing narratives, extending story ideas from real-world experience into imagined territory, and challenging conventions of mainstream animation. Facial acting, physical gesture and timing are analysed in greater depth in this subject, encouraging students to develop distinct and compelling movement languages. An emphasis is also placed on the use of allegory and visual metaphor as key components in animation storytelling, focusing on aspects such as anthropomorphism, story rules, credibility and the impossible. This subject builds upon previous connections with sound design and music, working with both the voice and atmospheric soundscapes, allowing students to investigate the role of sound as a key consideration in their animation practice. Students are encouraged to experiment with form in the visualisation of story and script ideas to enhance their creative animation problem-solving skills.

88212 Animation Studio: Animation Practice

12cp

In this subject students develop an individual design approach to animation practice, which fosters and encourages complex and challenging animation design projects that enable students to incorporate research and design techniques learned from previous design studios. Fostering experimentation in thinking and practice as a means for developing an individual design approach with an emphasis on well-considered and crafted outcomes, students explore the role that animation designers play in the development of complex design projects. They are encouraged to examine a range of ideas that inform traditional and contemporary animation practices.

88304 Illustration 1: Media and Techniques

6cp

Undergraduate

In this subject, students gain an understanding of of illustration as a tool for communication. They are introduced to a wide range of media techniques in illustration and acquire experience of the variety of its applications. Students from different design majors find that this subject has wide-ranging relevance. Workshops, demonstrations and practical tasks are given in a range of techniques and applications.

Typical availability

Summer session, City campus

88305 Photography 1: Documentation

6cp

Undergraduate

This subject introduces the basic principles of camera and darkroom work in black and white photography. It involves an exploration of photography as a medium of observation and documentation. This is done through an examination of the genres of photo reportage and social documentary photography. Students are introduced to the basic principles of composition, 35 mm manual SLR camera functions, film exposure and development, and print enlargement.

Typical availability

Summer session, City campus

88308 Introduction to Design for 2D Animation

6cp

Undergraduate

This subject introduces students to the history, fundamental principles and theory of design for 2D film and video animation. It also introduces students to design for interactive animation, covering areas such as conceptualising, layout and composition, and the immersive user experience. The topics cover the history of 2D animation, genre, character and background design, timing, framing, camera techniques, animation roles and responsibilities, storyboard formats and production processes. Priority is placed on quality of ideas over the production of finished animations.

Typical availability

Summer session, City campus

Autumn semester, City campus

88316 Furniture Context and Language

6cp

Undergraduate

This subject focuses on the broader more contextual issues of furniture design through an analysis of space and the environment, and related human behavioural issues. Through a review of key designers and their designs throughout history, an appreciation is gained towards the precedents of design and their significance in developing new directions. Cultural analysis is undertaken to understand the impact of the dynamic change in society and its impact on furniture design. The relationship of form, function, structure and aesthetics are explored in a series of exercises and projects. An understanding of ergonomics is imparted through lectures and the design of full-scale mock-ups of projects.

Typical availability

Autumn semester, City campus

88323 Exhibition Design: Practice

6cp

Undergraduate

This subject introduces students to the specialised area of exhibition design. This is a multidisciplinary subject that brings together students to solve specific design problems through group projects and individual tasks. A series of lectures, workshops, site visits, and assignments explores the breadth of issues, skills and concerns that are involved in the practice of exhibition design. The areas of study discussed include: user studies; the role of the curator; conservation, exhibition design management, and the collaborative exhibition design process. Small-scale projects test the understanding of the key factors of the practice of exhibition design. A high level of competency in the communication areas of orthographic drawing, and 3D representation is required of students prior to entering the subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88330 Cinema and Design to 1960

6cp

Undergraduate

The subject studies those films up to 1960 which have had significant commercial and/or creative impact in terms of mise en scène and genre. Mise en scène includes production design, set design, costume design, special effects, sound design, graphic design, editing and story structure. The roles and intentions of key creative personnel are a part

of this. Genres include musical, thriller, sci-fi, comedy, western and film noir. The overall approach is to address the relationship of mise en scène and genre to the narrative of the selected films.

Typical availability

Autumn semester, City campus

88333 Design for Stage and Theatre: Contemporary

6cp
Undergraduate

This subject introduces students to the specialised area of design for performances in theatre spaces. Using a contemporary script as a starting point, the student learns how to design for a stage production that expresses the script through set and costume design. A series of lectures, workshops, and assignments on: the design process, the history of appropriate stage and costume design, set design, costume design, script analysis, and associated technologies is delivered to support the design project. The project tests, through the use of a contemporary script, the understanding that the student has attained in reference to the key areas of theatre design. This is a multidisciplinary subject that brings together students to solve specific design problems through group and individual tasks.

Typical availability

Autumn semester, City campus

88404 Illustration 2: Professional Applications

6cp
Requisite(s): 88304 Illustration 1: Media and Techniques
Undergraduate

Continuing the prerequisite subject, students having gained an understanding of illustration techniques as a tool for communication now harness this knowledge to acquire experience designing for professional use. Workshops and practical tasks inform approaches to designing and illustrating a series of applications.

Typical availability

Winter session, City campus

88405 Photography 2: Communication

6cp
Requisite(s): 88305 Photography 1: Documentation
Undergraduate

This subject extends understanding of composition, exposure and development to an intermediate level. Building on the prerequisite subject, this subject goes beyond observation and documentation into the realm of photographic narratives. Students are introduced to different film types and speeds, different film developers, push and pull development of film for contrast control, and working in different lighting conditions.

Typical availability

Summer session, City campus

88408 Advanced Design for 2D Animation

6cp
Requisite(s): 88308 Introduction to Design for 2D Animation
Undergraduate

In this advanced subject, students learn to solve 2D animation design problems for film and television. Topics covered at an advanced level include: genre, character and background design, aesthetics, mattes and effects for film and video design, motion and timing, web applications, camera and lighting techniques, studio terminology, formats, storyboard techniques, crew roles and responsibilities, and project management. It is suitable for those students who are interested in film and video, architecture or interior design. Students produce short animation sequences in this subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88414 Transportation Explorations

6cp

The design of vehicles for the movement of people and goods is increasingly complex. Designers have to respond to societal changes and environmental concerns while addressing issues of style, safety and functionality. This subject explores and develops a realistic vehicle package. This is achieved through the research and analysis of the history and development of an identifiable brand, from which students are expected to visualise design work to a high quality using a range of techniques from hand sketching to computer rendering and clay modelling.

88415 Transportation Futures

6cp

The design of vehicles for the movement of people and goods is increasingly complex. Designers have to respond to societal changes and environmental concerns while addressing issues of style, safety and functionalilty. In this subject students explore and develop a realistic vehicle package. This is achieved through the research and analysis of the history and development of an identifiable brand. Students are expected to visualise design work to a high quality using a range of techniques from hand sketching to computer rendering and clay modelling.

88416 Furniture Production and Materials

6cp
Undergraduate

This subject focuses on the development of the student's understanding of production methods and materials used in the furniture design industry. This knowledge gives the student a greater confidence in designing furniture. The subject covers processes adodpted by furniture designers in selecting materials based on their inevitable relationship to production systems as both a method of manipulation and an initiative directed by economic objectives. Ergonomics, as it relates to furniture design is discussed as projects are developed. Lectures on production, distribution, and assembly systems give the student a clear appreciation of manufacturing in relation to details and design. Students learn to produce appropriate documentation for production and the related connection to costing of the designs.

Typical availability

Spring semester, City campus

88424 Exhibition Design: Concepts and Strategies

6cp
Undergraduate

This subject introduces students to the specialised area of exhibition design, in particular the theoretical frameworks that underpin the design. The multi-disciplinary activity of exhibition design is reflected in the variety of students that could take this subject. A series of lectures, workshops, site visits, guest speakers, case studies and assignments explore the breadth of issues and concerns that are involved in the strategies, conceptual structures and understanding of exhibition design. The areas of study that are discussed include: historical case studies; the role of the institution in which the exhibition will be housed; conservation in relationship to context, didactic design strategies, and interpretive design strategies. Small-scale projects test the understanding of the key factors expressed in the lectures on exhibition design theory. A high level of competency in the communication areas of orthographic drawing, and 3D representation is required by the student prior to entering the subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88430 Cinema and Design from 1960

6cp
Undergraduate

This subject studies those films since 1960 which have had significant commercial and/or creative impact in terms of mise en scène and genre. Mise en scène includes production design, set design, costume design, special effects, sound design, graphic design, editing and story structure. The roles and intentions of key creative personnel are a part of this. Genres include musical, thriller, sci-fi, comedy, western and film noir. The overall approach is to address the relationship of mise en scène and genre to the narrative of the selected films. During the semester, there is a guest lecture by a practising film designer.

Typical availability

Spring semester, City campus

88444 Design for Stage and Theatre: Classics

6cp
Undergraduate

This subject introduces students to the specialised area of design for performances in theatre spaces. Using a classic script as a starting point, students learn how to design for a stage production which expresses the script through set and costume design. Delivered to support the design project, a series of lectures, workshops and assignments cover: the design process; the history of appropriate stage and costume design; set design; costume design; script analysis; and associated technologies. The project tests, through the use of a classic script, the understanding that the student has attained in reference to the key areas of theatre design. This is a multi-disciplinary subject that brings together students to solve specific design problems through group and individual tasks.

Typical availability

Spring semester, City campus

88503 Introduction to Production Design

6cp
Undergraduate

This subject introduces film and television production design at the conceptual level. Topics covered include film genre and mise en scène, character development, set design, on-location set dressing, approaches to model construction, camera coverage, lighting techniques and terminology, crew roles and responsibilities, storyboard formats, and concept presentation techniques. It is suitable for those students who are interested in film and video, architecture or interior design.

Typical availability

Summer session, City campus

88504 Illustration 3

6cp
Requisite(s): 88404 Illustration 2: Professional Applications
Undergraduate

Continuation of 88404.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88505 Photography 3: Fabrication

6cp
Requisite(s): 88405 Photography 2: Communication
Undergraduate

This subject deals with the notions of the 'fabricated' image under the guise of editorial portraiture, fashion and advertising photography. The conscious manipulation of spaces, places and subjects to achieve a preplanned outcome is explored. Students are introduced to colour photography, medium format camera use, portable artificial lighting, advanced available lighting techniques and the conversion of images from the analogue realm to the digital.

Typical availability

Summer session, City campus

88516 Furniture Industry and Development

6cp
Undergraduate

This studio-based subject is focused on the furniture industry and in developing the student's ability to clearly understand the business aspects of furniture design. The feasibility of production is discussed through project development at various scales of manufacturing. Efforts are made to provide multiple perspectives of the industry from the point-of-view of the designer, the retailer, and the manufacturer. Students are encouraged to examine the factors affecting the process of getting a product into the community. Legal constraints and information on IP protection are discussed. Concerns about marketing is discussed through case studies and site visits to manufacturers and retailers. Students gain a pragmatic and business-oriented approach to the design process.

Typical availability

Autumn semester, City campus

88525 Exhibition Design: Process-based Project

6cp
Requisite(s): 88323 Exhibition Design: Practice AND 88424 Exhibition Design: Concepts and Strategies
Undergraduate

This subject extends the student's understanding of exhibition design beyond the introductory subjects. Lectures, tutorials, site visits, and a design project allows the student to gain a deeper understanding of the complete design process faced by an exhibition designer. Students develop a clear design brief, design presentations, details, and models that express their design proposals. A high level of competency in the communication areas of orthographic drawing and 3D representation is required by students prior to entering the subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88555 Design for Theatre: Special Performances

6cp
Undergraduate

This subject introduces students to the specialised area of design for performances in theatre spaces. Using either a classic or contemporary script and/or choreography as a starting point, students learn how to design for a stage production that expresses the performance through set and costume design. Areas of dance, opera, and performance art may form the basis for the project. A series of lectures, workshops, and assignments on: the design process, the history of appropriate stage and costume design, set design, costume design, script/score analysis, and associated technologies is delivered to support the design project. The relationship to the particular musical score is discussed as appropriate. The project tests the understanding that the student has attained in reference to the key areas of theatre design, through the synthesis of a design for a special performance. This is a multidisciplinary subject that brings together students to solve specific design problems through group and individual tasks.

Typical availability

Autumn semester, City campus

88603 Advanced Production Design

6cp
Requisite(s): 88503 Introduction to Production Design
Undergraduate

This advanced subject gives experience in the kinds of conceptual problems encountered in designing for film and television. Topics covered at an advanced level include film genre and mise en scène, character development, set design, on-location set dressing, approaches to model construction, camera coverage, lighting techniques and terminology, crew roles and responsibilities, storyboard formats, and concept presentation techniques. It is suitable for those students who are interested in film and video, architecture or interior design.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88604 Illustration 4

6cp
Requisite(s): 88504 Illustration 3
Undergraduate

Continuation of 88504.

88605 Photography 4: Construction

6cp
Requisite(s): 88505 Photography 3: Fabrication
Undergraduate

This subject goes deeper into the topic of the constructed image by exploring the possibilities of the studio environment. It also explores the way in which people and things and sites can be represented and manipulated through studio photo-imaging. Students explore the use of advanced studio lighting techniques.

Access conditions are available in the individual subject descriptions in the online handbook.

Typical availability

Spring semester, City campus

88616 Furniture Prototype

6cp
Requisite(s): ((88416 Furniture Production and Materials AND 88311 Furniture Design 1) OR (88516 Furniture Industry and Development AND 88411 Furniture Design 2) OR 88316 Furniture Context and Language OR 88511 Furniture Design 3)
Undergraduate

This subject provides the capstone project for the specialisation in furniture design. It reinforces the design process particular to the discipline and takes the student from sketches through to mock-up and then final prototype. Through lectures, discussions and demonstrations, students learn about the materials and manufacturing technologies suited to their project needs. Workshop skills and knowledge are enhanced in the key areas of furniture prototype production. Critical evaluation of the design process is assessed through critiques and process journals. The final outcomes are exhibited at the end of semester.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88617 Design Study Tour

6cp
Undergraduate

This subject offers students an opportunity to learn about the design culture of another society. Students visit another country or place within Australia and experience it through site visits, discussion, travel, dialogue, debate, observation, critique and a series of related tasks to reach a high level of understanding of the key issues driving design in the chosen environment.

Typical availability

Autumn semester, City campus

Spring semester, City campus

88619 Advanced Analogue Model Making Intensive

6cp
Undergraduate

This subject extends students' model making skills and offers a variety of intermediate/advanced techniques using diverse materials with the emphasis on the production of a physical model(s). Over two weeks of intensive workshops and discussions, students explore the various stages of the object design process through conceptual to detailed resolution, using appropriate materials and tecchniquies. Some of the techniques covered during the subject include plywood, metal and plastic facbrication using basic hand and electric tools.

Typical availability

July session, City campus

88620 Advanced CAD Intensive

6cp
Undergraduate

This subject extends students' skills in architectural computing communications. The use of the computer is studied in this component as a tool to aid communication of design thinking in 2D documentation and 3D computer modelling. Student's technical illustration skills are extended via an introduction to a variety of architectural projections and rendering techniques. Over two weeks of intensive workshops and discussions students explore the various stages of the design documentation process through conceptual to detailed resolution, using appropriate communication techniques.

Typical availability

July session, City campus

88622 Global Studio: Interior and Spatial Design B

6cp

Further information on this subject is available from UTS:Design, Architecture and Building

88626 Exhibition Design: Methods of Interpretation Project

6cp
Requisite(s): 88323 Exhibition Design: Practice AND 88424 Exhibition Design: Concepts and Strategies
Undergraduate

This subject extends the student's understanding of exhibition design beyond the introductory subjects. Lectures, tutorials, site visits, guest speakers, and a design project allows the student to gain a deeper understanding of the range of methods and approaches that can be taken towards the relationship between the interpretation of an object and exhibition design brief. The creative and imaginative response to a brief is encouraged and students are required to produce a design presentation of their ideas.

Typical availability

Autumn semester, City campus

88666 Design for Theatre: Self-Devised Project

6cp
Requisite(s): 2 Subjects from: 88333 Design for Stage and Theatre: Contemporary, 88444 Design for Stage and Theatre: Classics, 88555 Design for Theatre: Special Performances
Undergraduate

This subject requires the student to explore beyond their basic understanding of the earlier Design for Stage electives completed. The student is expected, through self-directed study, to develop their stage design and costume, based on their extensive research into selected text. Storyboard development, music selection, prop, set and costume design are integrated into the project. Other issues related to the overall design can be explored and are encouraged within the subject This is a multidisciplinary subject that brings together students to discuss specific design problems through group tutorials and lectures, but with the project being an individual effort.

Typical availability

Spring semester, City campus

88805 Introduction to Photography

6cp
Elective
Undergraduate

This subject covers the basic principles of camera functions and digital photography. Students explore the design elements of images, creative and innovative approaches to conceiving photographs, and ways of developing visual awareness. Digital cameras are used to document the world, build a visual archive and communicate observations and ideas.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Subject will be available from Spring 2013

88831 Global Studio: Fashion and Textiles A

6cp

The Fashion and Textile program emphasises international networking and visits/excursions/study tours in building a global perspective to an individual's practice. This subject provides students with the opportunity to immerse themselves in another design and educational culture, developing creative as well as personal maturity. A selection of global studios are offered, allowing students to undertake intensive fashion and textiles studios with students from overseas institutions. Through established relationships with international design schools, projects are undertaken with local students and practitioners.

88832 Global Studio: Fashion and Textiles B

6cp

The Fashion and Textile program emphasises international networking and visits/excursions/study tours in building a global perspective to an individual's practice. This subject provides students with the opportunity to immerse themselves in another design and educational culture, developing creative as well as personal maturity. A selection of global studios are offered, allowing students to undertake intensive fashion and textiles studios with students from overseas institutions. Through established relationships with international design schools, projects are undertaken with local students and practitioners.

88833 Fashion Media

6cp

This subject focuses on the understanding and interplay of fashion theory and media while exploring the culture of fashion from a contemporary viewpoint. Students explore developments within print and digital media, such as fashion film and magazine editorial relevant to the consumption of the fashion process. This subject aims to stimulate and cultivate fashion communicators of the 21st century. Reflecting a shift in the fashion industries demands for multi-skilled creatives, this subject encompasses digital and new media practices to encourage reflective practice and innovative solutions within fashion media production. This subject enables students to develop a solid grounding in the theoretical and practical issues relevant to the communication and cultural understanding of the fashion debate.

88834 Experimental Fashion Making

6cp

In this subject, students are introduced to garment (pattern) making techniques that challenge traditional approaches. The subject introduces students to conceptual fashion, and the creation of garments based on innovative methods of practice. Students are encouraged to experiment with methods of making, to create garments that are the result of investigational and innovative approaches. In this subject students are introduced to experimental pattern making techniques including non-Western approaches, generative pattern creation, subtraction cutting and zero-waste pattern making techniques. The subject is focused on emergent and non-traditional practices, as a means to design innovative garment outcomes, which are the result of off-the-body techniques.

88835 Global Studio: Fashion and Textiles A

6cp

For further details, contact UTS: Design, Architecture and Building.

88836 Global Studio: Fashion and Textiles B

6cp

For further details, contact UTS: Design, Architecture and Building.

88841 Global Studio: Integrated Product Design A

6cp

The Integrated Product Design program emphasises international networking and visits/excursions/study tours in building a global perspective to an individual's practice. The Global Studio provides students with the opportunity to immerse themselves in another design and educational culture, developing creative as well as personal maturity. A selection of global Studios is offered, allowing students to undertake intensive Integrated Product Design Studios with students from overseas institutions. Through established relationships with international design schools, projects are undertaken with local students and practitioners.

88842 Global Studio: Integrated Product Design B

6cp

The Integrated Product Design program emphasises international networking and visits/excursions/study tours in building a global perspective to an individual's practice. The Global Studio provides students with the opportunity to immerse themselves in another design and educational culture, developing creative as well as personal maturity. A selection of Global Studios is offered, allowing students to undertake intensive Integrated Product Design Studios with students from overseas institutions. Through established relationships with international design schools, projects will be undertaken with local students and practitioners.

88843 Design Enterprise: Small Batch Production

6cp

For further details, contact UTS: Design, Architecture and Building.

88871 Global Studio: Visual Communication A

6cp

The Visual Communication program emphasises international networking and visits/excursions/study tours in building a global perspective to an individual's practice. The Global Studio provides students with the opportunity to immerse themselves in another design and educational culture, developing creative as well as personal maturity. A selection of global Studios is offered, allowing students to undertake intensive Visual Communication Studios with students from overseas institutions. Through established relationships with international design schools, projects will be undertaken with local students and practitioners.

88872 Global Studio: Visual Communication B

6cp

The Visual Communication program emphasises international networking and visits/excursions/study tours in building a global perspective to an individual's practice. The Global Studio provides students with the opportunity to immerse themselves in another design and educational culture, developing creative as well as personal maturity. A selection of global Studios is offered, allowing students to undertake intensive Visual Communication Studios with students from overseas institutions. Through established relationships with international design schools, projects are undertaken with local students and practitioners.

88901 Observational Photography

6cp

This subject introduces students to some of the theories, practices and histories of photo-based observational research. Unlike conventional photo-observation for sociological purposes, this subject explores the potential of these techniques for creative purposes. Students are introduced to both the analytical and communicative potential of this media.

88902 Digital Photography

6cp

This subject introduces students to some of the theories and practices of digital photography, and provides a short history of the medium. Particular emphasis is placed on issues of image veracity, manipulation and transformation. Students are introduced to a variety of digital image capture, processing and output techniques.

88903 Photographic Fabrication

6cp

This subject deals with the notions of the 'fabricated' image under the guise of editorial portraiture, fashion and advertising photography. The conscious manipulation of existing spaces, places and subjects to achieve a pre-planned outcome is explored. Students are introduced to colour photography, medium-format camera use, portable artificial lighting, advanced available lighting techniques and the conversion of images from the analogue realm to the digital.

88904 Photographic Construction

6cp

Requisite(s): 88903 Photographic Fabrication

This subject explores the notion of the constructed image by exploring the possibilities of the studio environment in relation to people and objects. It also explores the way in which spaces and places can be represented and manipulated through studio photo-imaging. Students are introduced to advanced studio lighting, large-format camera use, still life and tableaux photography.

88911 Design for Visual Information Systems

6cp

In this subject students explore the principles involved in designing visual information systems with determined outcomes. Primary to this subject is the development of visual languages that enable complex information tasks to be translated into efficient and effective sites of communication. This is enabled by research into the cultural contexts of the outcomes and visual literacies of user communities.

88912 Histories of Visual Information Design

6cp

This subject introduces students to the histories of visual information design through a series of lectures, workshops and tutorials. The material covered provides the students with an opportunity to investigate the key moments that have defined information design, and shaped past and current practice. In this subject, information design is located predominantly within the narrative history formed by visual communication. Subsequently it is understood as a cultural practice that informs, and is informed by, the environment in which it is produced.

88913 Visual Information Project

6cp

This subject requires students to initiate and develop a visual information design project. Students are required to independently define, research and address issues relating to the communication and context of visual information systems and appropriate technologies. These systems may conform to existing modes of information design or be experimental and speculative. Research and project rationale activities should be evidenced as an information design proposal through appropriate visualisation design models, mapping and schematic presentations.

88931 Furniture Concepts

6cp
Postgraduate

This subject offers students in the furniture design major (in the Master of Design) insights into conceptual design processes for furniture designers. The subject focuses on generative design processes used in the development of original furniture designs. It equips students with advanced skills in idea generation and critical and iterative design methods through a series of studio activities, design projects and research seminars.

88941 Experience Economy

6cp

This subject introduces students to post-industrial capitalism, variously called the service economy, the information economy, the knowledge economy, the experience economy, and the support economy. Through a series of readings, seminars, observations and self-interrogations, students explore the contexts that are making branding significant, such as globalisation, quality assurance, customer relations management, human resources management, post-materialist societal values, and dematerialisation. The subject involves fieldwork investigating how businesses are packaging experiences for target audiences and the critical reflection by each student of their own consumption habits and values.

88942 Experience Branding

6cp
Requisite(s): 88941 Experience Economy

An important and rapidly growing challenge for design is to develop stimulating and strong representations of brands for commercial and not-for-profit organisations and their different products and services. This subject introduces students to the basics of experience branding and explores how design can be used to communicate organisational core values, products and services. In an integrated manner, the subject covers all areas of branding design including graphic design (2D), interior design (3D) and web design (4D). The objective is to understand how different disciplines work together and create an integrated brand experience. Special emphasis is put on the design process including research, brand strategy development and concept development. Finally, the role of branding in the wider context of society is critically discussed.

88943 Brand Strategy

6cp
Requisite(s): 88942 Experience Branding

Building on the subjects Experience Economy and Experience Branding, this subject explores the relationship between branding, strategising and the implementation of a brand design. Key themes analysed in this subject include developing an understanding how strategy drives the creation of a brand experience, how strategic planning becomes a valuable tool in the design process, how research fuels the strategy making process, and the relation between human resources management and brand expression. Ultimately, the subject seeks to explore how design can be used to implement a brand experience that helps clients accomplish business objectives (including those of not-for-profit organisations).

88944 Branding Project

6cp
Requisite(s): 88943 Brand Strategy
There are also course requisites for this subject. See access conditions.

This is the final subject in the Branding Design major and is held as a practical project that integrates the three previous subjects. The subject involves rebranding projects with 'live' clients. Students are provided with skills to assist their rebranding jobs in the areas of project management, client relations, strategy validity testing, brand user testing, quality assurance mechanisms, and presentation techniques.

88951 Future Design Strategies

6cp
Elective
Postgraduate

By its very nature, design is an activity concerned with the future. In this time of rapid transformation, with all its accompanying complexity, threats and opportunities, being aware of how change might impact on design becomes critical. This subject addresses those areas identified as likely to impact most on the design professions over the next decade. They include cultural change, globalisation, sustainability and technology advances. Students are supported in researching developments in these and other change making themes. Leading designers, design academics and futurologists join UTS staff in mapping possible future strategies for designers.

Typical availability

Autumn semester

Spring semester

88952 Design Project Specialisation

6cp
Elective
Postgraduate

Within the context of an undergraduate design project students reflect on the major issues implicit in the design task, be it commercial, social, environmental or technical. The subject is aimed at providing students with an understanding of how a design solution might impact beyond the initial intention. Regular seminars, in addition to the project tutorials, reflect on the project work in this wider context.

Typical availability

Autumn semester

Spring semester

89015 Textile and Fashion Innovation

12cp
Postgraduate

This subject enables students to investigate innovative textile and fashion concepts that explore the integration of the handmade with emerging technologies. This studio provides an ideal space for interdisciplinary collaboration through the study of current global textile, fashion and design practice. In this millennium a material revolution is taking place whereby textiles and fashion are providing designers from various disciplines the solutions for a very different society and consumer. Market demand reflects changing cultural and social concerns and in response textiles and fashion are leading with cutting edge innovation. Underpinning these developments is a critical social consciousness towards ethical design practice and issues and questions around sustainability.

In this studio students are introduced to Electronic Fashion, Interactive Interfaces, Photo Voltaic Textiles, Biomimicry, Architectonic Structures, Smart fabrics, Nano fabrics, High Performance Textiles, Zero Waste. Students examine what meaning these emerging technologies have for future design and how they provide designers with a language and solution for a future world. Through a self-initiated project, students have the opportunity to explore their practice through an identified project brief.

Typical availability

Autumn semester, City campus

89016 Reframing Fashion and Textile Practice

12cp
Postgraduate

This subject addresses the role of the fashion designer within contemporary fashion and textile practices and explores emerging trends that point to challenges, future roles and opportunities for fashion creative practitioners. Over recent years fashion and textile design have emerged as interdisciplinary practices aligned with new modes of presentation and approaches to design activity. In this subject students undertake critical investigation of both their own practice and the broader context of contemporary fashion and/or textile practice. The investigation enables students to critically reflect on their own practice and through a series of structured research and studio activities be able to re-position fashion and textiles practices at

the nexus of innovation, meaning-making and critical engagement. The aim of the subject is for students to reposition their practice for re-entry to industry or subsequent postgraduate research pathways through the identification of foci for further investigation.

Typical availability

Spring semester, City campus

89017 Fashion and Textiles Entrepreneur

12cp
Postgraduate

The primary focus of this studio lies on the student's engagement with industry. In this context, students look to their particular area of interest and build on the knowledge and skills developed during the first two studios. In working with manufacturers, students gain valuable experience in relationship building and communication in order to realise their design. The outcome here is a realised design highly focused on their area of special interest. Within the studio, students prepare digital and physical presentation of design that demonstrates the full impact of information within the environment or application; and verbally present a completed visual presentation, together with appropriate made elements that outline the key aspects of the concept and outcome.

Typical availability

Autumn or Spring semester, City campus

89105 Design Activism

6cp
Postgraduate

This subject looks at the increasingly active role that design is playing within contemporary contexts of social critique and change. Students are introduced to the history of social activism in design, and to the particular contexts within which design activism is currently being pursued. Philosophical critiques of a human-centred conception of authorship and agency have important repercussions for the thinking of designers on their role as activists. This subject positions contemporary activism within post-humanist understandings of agency. Discussions and theoretical engagement foster critical understanding of the complex interaction of human and non-human, material and immaterial, memory, expectation, hope and experience within the unfolding social and political histories of designed things.

Typical availability

Spring semester, City campus

89106 Researching Contexts

6cp
Postgraduate

This subject introduces students to experimental design-research practices using different technologies to elicit aspects of the contexts for which designers design. The technologies used enable these contexts to be explored through audio, visual and textual dimensions. Students gain skills in the analysis of ethnographic research data using grounded theory and phenomenography, in addition to visual research methods. Such design research practices foster understanding of, and connection with, the contexts that designed things participate in, enrich, and often transform. The emphasis of this subject is on understanding through making, as the process of data analysis enables the researched context to 'talk back' to the designer. Outcomes include designed communications that convey the particular understanding of context that each student has arrived at through their research process.

Typical availability

Spring semester, City campus

89107 Innovation and Entrepreneurship: A

6cp
Postgraduate

This subject explores the potential of design thinking as a generator of innovative and entrepreneurial strategies, practices and designed things through interdisciplinary innovation challenges, and developing entrepreneurial outcomes of varying scale and context.

Students are required to radically cross-boundaries of their known discipline to contribute to diverse projects through the application of corporate and academic research and development methods. Students inherently cooperate within complex systems, responding to client requirements and considering the effect of their choices on outcomes throughout the process.

Typical availability

Autumn semester, City campus

89108 Technology Workshop: Creative Play

6cp
Postgraduate

The Technology Workshops offer students opportunities to engage with diverse tools, processes and materialities of production. Oriented to experimental practices, and to iterative exploration of the aesthetic and material effects enabled by each technology, the workshops encourage openness to new possibilities for making. Creative Play provides for student experimentation and research into the possibilities for design enabled by selected technologies.

Typical availability

Spring semester, City campus

89109 Technology Workshop: Experimental Media

6cp
Postgraduate

The Technology Workshops offer students opportunities to engage with diverse tools, processes and materialities of production. Oriented to experimental practices, and to iterative exploration of the aesthetic and material effects enabled by each technology, the workshops encourage openness to new possibilities for making. Experimental Media focuses upon student experimentation and media investigation through selected technologies.

Typical availability

Autumn semester, City campus

89110 Engaging Texts: Interpreting Contexts

6cp
Postgraduate

This subject introduces students to philosophical and theoretical lenses for interpreting the various contexts of reception within which their designs will be encountered, engaged with, experienced or consumed. 'Engaging Texts: Interpreting Contexts' is one of a pair of subjects that focus specifically on 'engaging texts' as a stimulus to design understanding. In these subjects students engage with texts that are or have been influential in shaping ways in which designers think about the worlds that designed things enter into and redefine. Different kinds of text, including theoretical, literary and designed texts, and texts utilising different media, are introduced.

Typical availability

Autumn semester, City campus

89111 Interactivation Studio: Autumn

12cp
Postgraduate

This studio is dedicated to the relationship between people and technology, in particular the design of interfaces connecting technological environments with their inhabitants. Interactivation is a design approach to creating distributed interfaces which enable better designed interactions in electronic ecosystems. This involves interactions in ecologies, from the intimate (on and around the body) to the spatial (rooms and buildings), to the urban/landscape scale and beyond. Examples of such intimate interfaces are phones and other objects, wearable interfaces and interactive jewellery. The spatial scale is concerned with interactive spaces (indoor parameters such as light, temperature and data flow) and buildings (interactive architectures), while the urban scale can be, for instance, interactive facades and long-range spatial information radiation including the natural landscape.

This subject covers a broad field of design and study involving a variety of disciplines. Students gain and develop knowledge and insights in human factors, engineering, art and design. The subject guides individual and group development of a new type of designer who is equally confident in understanding and applying technology, human factors and artistic–conceptual thinking. The outcomes of this process involving research and design are presented in the studio in the forms of working demonstrators, interactive presentations and reflective writing.

Students are given a tailored project (1, 2 or 3 based on individual level of development, determined through prior learning) that is expanded on through their remaining Interactivation Studio subjects.

Access conditions are available in the individual subject descriptions in the online handbook.

Typical availability

Autumn semester, City campus

89112 Interactivation Studio: Spring

12cp

This studio is dedicated to the relationship between people and technology, in particular the design of interfaces connecting technological environments with their inhabitants. Interactivation is a design approach to creating distributed interfaces which enable better designed interactions in electronic ecosystems. This involves interactions in ecologies, from the intimate (on and around the body) to the spatial (rooms and buildings), to the urban/landscape scale and beyond. Examples of such intimate interfaces are phones and other objects, wearable interfaces and interactive jewellery. The spatial scale is concerned with interactive spaces (indoor parameters such as light, temperature and data flow) and buildings (interactive architectures), while the urban scale can be, for instance, interactive facades and long-range spatial information radiation including the natural landscape.

This subject covers a broad field of design and study involving a variety of disciplines. Students gain and develop knowledge and insights in human factors, engineering, art and design. The subject guides individual and group development of a new type of designer who is equally confident in understanding and applying technology, human factors and artistic–conceptual thinking. The outcomes of this process involving research and design are presented in the studio in the forms of working demonstrators, interactive presentations and reflective writing.

Students complete a tailored project (1, 2, or 3 based on individual level of development, determined through prior learning) that is expanded on through their remaining Interactivation Studio subjects.

Typical availability

Spring semester, City campus

89113 Interactivation Studio: Final Project

12cp

Postgraduate

The Interactivation major is dedicated to the relationship between people and technology, in particular the design of interfaces connecting technological environments with their inhabitants. Interactivation is a design approach to creating distributed interfaces which enable better designed interactions in electronic ecosystems. This involves interactions in ecologies, from the intimate (on and around the body) to the spatial (rooms and buildings), to the urban/landscape scale and beyond. Examples of intimate interfaces are phones and other objects, wearable interfaces, and interactive jewellery. The spatial scale is concerned with interactive spaces (indoor parameters such as light, temperature and data flow) and buildings (interactive architectures), while the urban scale can encompass interactive facades and long-range spatial information radiation including the natural landscape.

This studio covers a broad field of design and study involving a variety of disciplines. Students gain and develop knowledge and insights in human factors, engineering, art and design. The subject guides individual and group development of a new type of designer who is equally confident in understanding and applying technology, human factors and artistic–conceptual thinking. The outcomes of this process involving research and design are presented in the studio in the form of working demonstrators, interactive presentations and reflective writing.

Typical availability

Autumn semester, City campus

89114 Lighting Studio: Light, Time and Change

12cp

This studio combines a thorough study of the change of light in nature with an exploration of lighting and its time-dependent dynamics and control. The studio activity is built on the observation and analysis of the interdependencies between lighting patterns and behavioural patterns in the way people occupy and utilise the built environment.

89115 Lighting Studio: Light, Materials and Space

12cp

People's conscious and subconscious mind can be manipulated and conditioned by what they see. Seeing is the response of the human perceptual system to light's interaction with surfaces and spaces. Therefore at its very basis, the lighting designer has the tools and the opportunity to recondition the mind, by determining how light interacts with the surrounds and influences the state of the perceptual system.

This studio explores ideas on designing visual environments that influence human moods and emotions, through a deep study of perceptual psychology, visual attributes and modes of appearance. The studio has a strong focus on hands-on experimentation with light, materials and volumes. The participants produce solutions that challenge the traditional use of lighting in the built environment with the objective to open up new possibilities.

89116 Lighting Studio: Final Project

12cp

Postgraduate

The Lighting major aims to equip graduates with the intuition, ability and aspiration to become leading practising professionals or researchers in the field of lighting, with well-rounded and high-level expertise, social consciousness and global perspective. The main focus of the major is an open and progressive approach to advance the analytical thinking skills and creativity of its participants. The major provides a solid understanding of the physics and human factors of lighting, extensive hands-on experience, and wider context considerations relating to lighting design. It is structured to give its participants the opportunity to cultivate and share knowledge through research, experimentation, collaboration and communication; to shape and continually improve the future of the lighting design profession.

This studio is based on the model of a fictive/actual architectural lighting design project. The participants are responsible for developing and communicating their lighting design solutions for this project from initiation to final documentation. The studio advances the skills of the participants to manage multi-faceted aspects relating to lighting design through providing them with a broad appreciation of real-life project considerations.

Typical availability

Autumn semester, City campus

89120 Sustainability, Design and Creative Futures: Being Human

12cp

Postgraduate

The quest to find more sustainable ways to inhabit the planet is complicated by human entanglement in practices, systems and sub-cultures that are, in themselves, unsustainable. Designed things constantly reconfigure these entanglements; seemingly modest design interventions can have profound and ongoing effects, both intended and unintended. Designing for more sustainable human worlds, therefore, requires reflective awareness of the ways in which design can reconfigure the ways of being human.

This studio investigates the ways that different kinds of designed things shape what it is to be human, whether they be garments, equipment, interfaces or environments. Drawing upon contemporary philosophies of technology and theories of practice, the studio provides critical tools to support designing that engages richly with the complexity of human experience and culture. The emphasis of the studio is upon understanding what should be valued, and what can be let go, in the quest to be both more sustainable and most fully human.

Typical availability

Autumn semester, City campus

89121 Sustainability, Design and Creative Futures: Spatio-Temporal Shifts

12cp

Different cultures inhabit space and time in very different ways. The inherited spatio-temporal dispositions that shape our world dispose us to particular pleasures; attune us to particular kinds of beauty; make possible particular modes of knowing and particular kinds of production. The spatio-temporal not only configures everyday practices, cares and striving, but significantly impacts the wider ecologies in which we participate. Unsustainable modes of inhabiting our world are currently held in place by the spatio-temporal dispositions that dominate contemporary globalised cultures.

This studio looks at the role played by different design disciplines in the production and reproduction of particular modes of spatio-temporal experience, whether the disciplinary focus is the body, equipment, communication, interaction, environment, systems or services. The power of design to shift the ways we inhabit time

and space, and the implications of such shifts for sustainability, are explored through studio projects.

Typical availability

Spring semester, City campus

89122 Sustainability, Design and Creative Futures: Critical Economies

12cp
Postgraduate

The practice of design has always been profoundly shaped by the particular economies in which it has been embedded. The demands placed on both human and non-human ecologies by 20th century growth-based economies, are evidently unsustainable. Increasing acknowledgment of ecological stress upon the planet, in tandem with the economic instability of the first decades of the 21st century, have given impetus to a rethinking of our assumptions about the economy. Over the past decades a number of critical thinkers have proposed new approaches to the economy. What are the implications of these potential economies for design? How might more sustainable approaches to the economy open up new possibilities for design? What might be the role of design in the transition to a different economy?

89123 Experimental Visual Communications: Research Through Design

12cp
Postgraduate

This studio encourages students to challenge the conventional positioning of visual communication and to re-imagine it as a site for provocation, speculation and experimentation. Central to this is an engagement with practice-led research, enabling students to investigate complex issues through visual communication design processes.

Students develop their visual and conceptual abilities through self-directed projects. Students work in small supervisory groups, developing a culture of critique and experimentation necessary to facilitate meaningful design artefacts, experiences and environments.

Students are expected to produce a substantial project that evidences advanced practical and theoretical design expertise. Studio participants also have the opportunity to challenge the material boundaries associated with visual communication practice by working with emerging digital technologies and new materials alongside more established methods of production. Outcomes can be static or interactive, print or digital, objects or installations, and could incorporate sound or moving image.

Typical availability

Autumn semester, City campus

89124 Experimental Visual Communications: Visualising the Invisible

12cp
Postgraduate

In this subject students create projects that give visual form to the social, cultural, scientific or economic narratives embedded in contemporary society. Students have the opportunity to reveal stories that have yet to be realised, or create new experiences from existing stories. This can range from the pragmatic/factual to the poetic/metaphorical, and take various forms such as information design, experimental publication design, exhibition design, motion graphics, etc. The aim is to extract and communicate previously inaccessible meanings, insights and experiences through work that is speculative, provocative, and experimental. In this subject there is an emphasis on the designer as cultural agent/critic. Students are challenged to develop a critical position around an issue, and use their design skills to communicate this position in innovative, playful and challenging ways. Outcomes could be static or interactive, print or digital, objects or installations, and could incorporate sound or moving image.

Typical availability

Spring semester, City campus

89125 Experimental Visual Communications: Final Project

12cp
Postgraduate

The final studio requires students to create a self-initiated project that exhibits a sophisticated understanding of the potential of contemporary visual communication practice. Central to this project will be evidence of critical analysis, social engagement, reflective practice, as well as a refined visual language. Students must draw on the practical, methodological, theoretical and the technical tools they have gathered over the duration of the degree to complete a successful project. Students are individually mentored through this project by a supervisor with complementary practice-based research expertise. Projects can be static or interactive, print or digital, objects or installations, and could incorporate sound or moving image.

Typical availability

Autumn or Spring semester, City campus

89126 Design Studio 1: Human-centred Design

12cp

This studio explores the voice of intent in relationship to the voice of experience as negotiated by the various voices of design practice. A human-centred approach to design is investigated with various scenarios and personas techniques used to shift the role of the user from a recipient to one of an author of design outcomes. Various methods of analysis, including ethnography, together with approaches to design synthesis are presented to allow the students an advanced understanding of real-world projects.

89127 Design Studio 2: Social Design Practice/Critical Reflection

12cp

This studio builds on 89126 Design Studio 1: Human-centered Design, or experiences gained in other studio majors, in order to draw a fine focus on the relationship of how design can affect social frameworks. This subject critically explores the creative challenges involved in socially responsible design. Participants learn a range of ways of negotiating cultural difference to access deeper understandings of social conditions. It focuses on a number of participatory design techniques, where designers act as facilitators of communities, helping them to identify their needs and then realise ways of satisfying their needs in socially, ecologically and economically sustainable manner. Professional designers and expert designers use reflection in different ways. This subject examines the reflection of design during the professional design process, and also the sharing of ideas, as practiced by expert designers who challenge existing habits and prejudices. Through a series of readings and projects, students learn how to implement changes to the way they design through critically reflecting on social design practice.

89128 Design Studio 3: Resilience and Creative Practice

12cp

This subject offers the student the opportunity to fully comprehend the value of design and gain a potential sense of meaning to what they do. Thought and the translation of an idea are both investigated in a text and design outcome. Group and individual projects help to advance the need for clarity of communications and for negotiated settlement. The project explores how design thinking allows for a resiliency of outcomes in the design world and ultimately considers the importance of sustainability. The aesthetic act allows for a space of value in society, a value that has to be recognised. The recognition of how creative practice can constantly re-invent itself in reference to how it engages with the problem allows for a resiliency of design.

89131 Objects and Accessories Studio: Fold

12cp
Postgraduate

This studio focuses on creativity and innovation in the context of object design under the umbrella theme of fold. Students build on the conceptual, formal, analytical and critical skills developed in previous studies or professional experiences. The studio enables students to experiment, exposing them to the endless ways objects can be made. Innovation is driven by the creative application of new and unique combinations of material and process. Students in the studio need to be highly motivated and self-directed, and appreciate that the central focus of this studio is actual making.

Objects developed within a contained scale enable the student to investigate multiple situations and proposals, realising designs that enable a deeper understanding of form and material.

Parallel studies into the historical, social and cultural aspects linked to the concept of fold in object design enable further understanding and clearly articulated positioning of work in a contemporary context.

Typical availability

Autumn semester, City campus

Access conditions are available in the individual subject descriptions in the online handbook.

89132 Objects and Accessories Studio: Layer

12cp

89133 Objects and Accessories Studio: Final Project

12cp

Postgraduate

The Objects and Accessories major has been developed to enable designer–makers the opportunity to experiment. Innovation is driven by the creative application of emerging and/or traditional methods to develop new approaches to form-making within the context of small batch production.

This studio is an opportunity for students to develop a self-directed project in consultation with the studio leader/subject coordinator. The project is articulated in a written learning contract negotiated between the student and studio leader/subject coordinator in the first quarter of the semester.

Typical availability

Autumn semester, City campus

89141 Perception Space Materials: Research and Conceptualisation

12cp

Postgraduate

This is the first subject in the Perception Space Materials major. This subject is based on a series of cognitive week-by-week research and conceptual projects to develop material thinking towards an innovative spatial practice. Through the studio environment, projects will be aimed at forwarding individual perceptions to the analysis of site in developing site-responsive programs. Design will be investigated through spatial experiencing and programing, function and occupation, surface and texture. Over the course of the three semesters, participants in this major will explore the conceptualisation of design and practice and associated visual techniques including: 2D & 3D spatial constructions, filmic, diagrammatic and schematic mappings: creating a matrix of design potentials feeding into the major project and final dissertation.

Typical availability

Autumn semester, City campus

89142 Perception Space Materials: Design Philosophy - Spatial Design Program

12cp

Postgraduate

This is the second subject in the Perception Space Materials major. It focuses on devising achievable programs from the research and conceptualisation work undertaken in the previous subject. The scope of the project is aimed at generating fully documented prototype spaces that succinctly illustrate students design strategy. Material thinking and spatial practice combine as a single entity to evolve the program schematic, users and environmental conditions in transforming the site. The project explores the expanded field of spatial design filtered through the manifold appearances of the interior and exterior. Project documentation includes: plan, section, elevation, detailing, 2D and 3D renderings, materiality, study of Marquette's, a final site model and a visual/text document.

Typical availability

Spring semester, City campus

89143 Perception Space Materials: Constructing Materials - Expanded Field of Practice

12cp

Postgraduate

This is the final subject in the Perception Space Materials major. It is based on applying an expanded field of practice to the projects realised in the previous two subjects. The expanded field of inquiry can incorporate an interdisciplinary application towards creating alternative and innovative ways of furthering students design communication. Projects may involve advanced prototyping of design intention in expanded scales as test probes for other sites and collaborations with other disciplines and/or with industry partners. A definitive document of the design journey and a written dissertation will accompany this subject as the major documentation of the course.

Typical availability

Autumn semester, City campus

89151 Design for Change: Specific Retail Environments

12cp

In this studio students are required to apply various methods of problem exploration and design research to develop solutions to a current crime problem for real retail business clients. Students work on real projects, often in teams and always supported by experts in the fields of socially responsive design, environment design, crime prevention, and retail planning.

The studio process requires students to develop a comprehensive understanding of the range of commercial, organisational and community drivers in the retail context, including loss prevention. The challenge is to develop a design approach that addresses the various drivers, while also providing an environment less prone to crime. Working with real clients in a commercial setting requires students to develop their team and project management skills in a situation dependent on the professional delivery of design outcomes.

Through an applied project with a large retail store client (supermarket, department store or hardware store), the subject builds students' skills and knowledge about how to research and understand crime problems. DOC methods of problem exploration and reframing are reviewed and applied to the client's problem. Through this studio students start to develop key skills and understanding of how design processes can be employed to develop innovative solutions to crime problems.

Typical availability

Autumn semester, City campus

89152 Design for Change: Reinvigorating Retail Precincts

12cp

In this studio students are required to apply various methods of problem exploration and design research to develop solutions to a current crime problem for real retail business clients. Students work on real projects, often in teams and always supported by experts in the fields of socially responsive design, environment design, crime prevention, and retail planning.

The process requires students to develop a comprehensive understanding of the range of commercial, organisational and community drivers in the retail context including loss prevention. The challenge is to develop a design approach that addresses the various drivers, while also providing an environment less prone to crime. Working with real clients in a commercial setting requires students to develop their team and project management skills in a situation dependent on the professional delivery of design outcomes.

In this subject students undertake an applied project with a local shopping area authority (council, shopping centre) in which they draw on their design research and problem exploration skills to develop a frame and design concepts that address a crime problem and re-invigorate the precinct. Students work with a broader stakeholder group in this project that includes diverse community groups, council, police, community workers, retailers and licensees among others. It requires students to develop their skills in engaging clients and stakeholders to think about crime problems and the possibilities for declining retail precincts.

89153 Design for Change: Retail Futures

12cp

Led by the UTS interdisciplinary Designing Out Crime research centre, the focus of the subjects in this three semester studio is on creating vibrant, safe, sustainable and profitable retail environments. Students work on real projects, often in teams and always supported by experts in the fields of socially responsive design, environmental design, crime prevention, and retail planning.

Throughout the studios students work with industry partners such as retailers, supermarkets, shopping centres, industry bodies and law enforcement agencies.

In this final subject of the studio, students utilise the expertise that they have developed in the previous two subjects of the studio. This expertise informs an exploration into future retail concepts and their capacity to embody the virtual and/or physical requirements that ensure positive retail experiences.

Additional information about the Designing Out Crime research centre can be found at:

www.designingoutcrime.com/research-centre/projects

Typical availability

Autumn semester, City campus.

89171 Innovation and Entrepreneurship: B

6cp
Postgraduate

This subject explores the potential of design thinking as a generator of innovative and entrepreneurial strategies, practices and designed things through interdisciplinary innovation challenges, and developing entrepreneurial outcomes of varying scale and context.

Students are required to radically cross-boundaries of their known discipline to contribute to diverse projects through the application of corporate and academic research and development methods. Students inherently cooperate within complex systems, responding to client requirements and considering the effect of their choices on the project outcomes throughout the process.

In addition to Design, expertise within this subject Is drawn from a variety of disciplinary fields such as Business, IT Engineering and Architecture.

Through this subject students gain advanced skills in the management of interdisciplinary entrepreneurial projects, as well as exposure to client contacts in the wider community for a semester specific project.

Typical availability

Spring semester, City campus

89172 Engaging Texts: Cross-Disciplinary Conversations

6cp
Postgraduate

This subject introduces students to texts, conversations and viewpoints drawn from diverse disciplinary contexts that are of relevance to design, including philosophy, sociology, anthropology, science and technology studies, history, literature and film. It highlights the richness of understanding that can arise when texts move across disciplinary boundaries and populate other disciplinary spaces. This in one of a pair of subjects that focus specifically on 'engaging texts' as a stimulus to design understanding. In these subjects students engage with texts that are or have been influential in shaping ways in which designers think about the worlds that designed things enter into and redefine. Different kinds of text, including theoretical, literary and designed texts, and texts utilising different media, are introduced.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89173 Technology Workshop: New Poetics

6cp
Postgraduate

The Technology Workshops offer students opportunities to engage with diverse tools, processes and materialities of production. Oriented to experimental practices, and to iterative exploration of the aesthetic and material effects enabled by each technology, the workshops encourage openness to new possibilities for making. In particular, this subject focuses on the potential for production of new and different formal effects through experimentation with various technologies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89200 Graphic Visualisation

6cp
Postgraduate

This subject expands the awareness and ability of students from various disciplinary backgrounds to generate ideas and develop visual narratives and to communicate these by means of the visual communication media. There is special emphasis on drawing and image-making and the development of competencies in a range of basic techniques suitable for the representation and effective visual communication of animation and design ideas and solutions, including character design, layout and storyboarding. Students are encouraged to experiment with form in the visualisation of story and script ideas and to enhance their creative visual problem-solving skills. The subject provides students with the opportunity to acquire a critical understanding of the language of visual communication using simple linear form to construct graphic narratives and sequences for the comics and animation media.

Typical availability

Autumn semester, City campus

89201 Animation Genres Seminar

6cp
Postgraduate

This subject consists of a series of weekly lectures, screenings and seminars and the occasional master class and aims to increase the student's knowledge of the history and theory of animation with a particular emphasis on the study of genre. A range of animation genres is examined. These include, but are not restricted to, animation production techniques such as trick films, puppet animation, claymation, cut-outs, pixillation, rotoscoping, model and toy animation, scratched and drawn animation, digital animation and cartoon animation. In addition to the study of techniques of production, this subject also analyses various animation styles and formats, including cartoon animation, Anime, television animation, animated title graphics and motion graphics, art animation, abstract and experimental animation, animated music video and animated film musicals, animation special effects in live-action films, animation in advertising and on the Internet, animation for mobile phone displays and computer games including hand-held game sets, Web animation, applications in architecture and design such as virtual space and buildings, children's animation and kids TV animation. Other aspects of genre studies include issues such as self-reflective animation, cute and hyper realistic styles, animation as visual communication in instructional, informational and propaganda environments, aspects of artifice, art and ideology, entertainment, fantasy, fairy tale and myth, as well as a study of centres of production such as European, North American and Asian animation.

Typical availability

Spring semester, City campus

89202 3D Digital Animation 1

6cp
Postgraduate

This subject introduces students to 3D digital animation techniques based on standard practice within the animation industries. Topics covered include traditional principles of animation, 3D animation techniques with a focus on performance and character animation. In this subject, students participate in exercises that build a demonstrable knowledge of the design and production of 3D digital character animation.

Typical availability

Spring semester, City campus

89203 3D Digital Animation 2

6cp
Postgraduate

This is a modelling project-based subject that requires students to apply their 3D modelling skills in the design and production of an animation ready environment and character model. The subject requires the creation and manipulation of 3D models and their appropriate application in animation production. Topics covered include advanced computer modelling and topology theory, lighting for production and character rigging basics. Students are also expected to further develop animation production skills, refine their understanding of the different areas of computer graphics in a production pipeline and how they work together.

Typical availability

Spring semester, City campus

89204 2D Digital Animation

6cp
Postgraduate

This subject provides coverage of the design and production of 2D digital animation, advanced using appropriate software. The subject also covers the theory and conceptualisation of design in computer animations for the Internet. In this subject, students are expected to understand design processes in the production of 2D animation, comprehend knowledge of relevant software, demonstrate design and production skills, acquire basic 2D animation skills, become aware of a range of possibilities and limitations of dynamic media and animation for the Internet and demonstrate appropriate design solutions for the advanced Web applications of animation.

Access conditions are available in the individual subject descriptions in the online handbook.

Typical availability

Spring semester, City campus

89205 Design for Three-Dimensional Computer Animation

6cp

In this animation project-based subject, students apply their 3D animation skills acquired in 82221 Context: 3D Animation Introduction and 82321 Context: 3D Animation Advanced in the design and production of a short animated sequence, while developing and expanding their knowledge of both the theory and operation of industry standard computer animation, with an emphasis on rigging through Maya (or other industry equivalent) using pre-rigged characters. The subject demands the student's creation and manipulation of 3D images and their appropriate application in animation pre-visualisations, production and post-visualisation.

Typical availability

Winter session, City campus

89210 Animation Fundamentals

6cp

For further details, contact UTS: Design, Architecture and Building.

89211 Narrative Writing for Animation

6cp

For further details, contact UTS: Design, Architecture and Building.

89213 Animation Design Concept Studio

12cp

For further details, contact UTS: Design, Architecture and Building.

89214 Animation Design Storytelling and Character

12cp

For further details, contact UTS: Design, Architecture and Building.

89215 Animation Design Final Studio

12cp

For further details, contact UTS: Design, Architecture and Building.

89216 Animation for Game Design Concept Studio

12cp

For further details, contact UTS: Design, Architecture and Building.

89217 Animation for Game Design Storytelling and Character

12cp

For further details, contact UTS: Design, Architecture and Building.

89218 Animation for Game Design Final Studio

12cp

For further details, contact UTS: Design, Architecture and Building.

89303 Client and User-centred Designing

6cp

Postgraduate

Expert designing involves understanding the situation into which the design will intervene. To reach these understandings, designers must be as creative in their research as in their idea generation and realisation. This subject introduces designers to the methods and strategies being used by the leading design innovation companies around the world to access the activities, values, needs and feelings of those they design for. The subject covers obtrusive and unobtrusive research, and direct and technologically-mediated interviewing. Each technique students learn about is immediately tested in live fieldwork and then translated into clear design briefs.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89304 Social Change Design

6cp

Postgraduate

Designs enable people to live different sorts of lives, if they are developed out of deep understanding of those people or preferably with those people. This power can be used to develop new markets and to develop disadvantaged communities. This subject explores both commercial and social entrepreneurship by design. Participants learn a range of ways to negotiate cultural difference to access deeper understanding of marginal social practices. The subject focuses on a number of participatory design techniques, where designers act as facilitators of communities, helping them to identify and respond to their changing situations.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89400 Design Capstone Project

12cp

Requisite(s): 12 credit points of completed study in MAJ10014 Information Design Major M Design OR 12 credit points of completed study in MAJ04004 Interior Lighting Major OR 12 credit points of completed study in MAJ04005 Furniture Design Major M Design OR 12 credit points of completed study in MAJ10015 Photomedia Major M Design OR 12 credit points of completed study in MAJ10016 Branding Design Major

Postgraduate

This is the final subject of each of the design expertise majors in the Master of Design (C04243) (see page 417). Students utilise the knowledge and insights they have gained from their master's studies to develop an original body of design work in an area of practice as defined by their previous elective study. Each student develops an individual project that includes four elements: design research, design conceptualisation, design development and design evaluation. Assessment is based on the submission of a project that clearly demonstrates these four elements of the design process. This is a demanding subject that requires self-motivation and self-management of a high order. Students need to plan their time effectively as there is a substantial amount of work in translating a project notion into a well-researched and documented design proposal and then finally into a responsive detailed design.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89921 Design Project Preliminary

12cp

Postgraduate

This subject is a program of individual supervised research or design. Assessment is made on submission of an original body of work which usually includes four elements: research, development, evaluation and report. Topics include research, new product development, packaging, pricing, promotion, advertising, product image, test marketing, strategies and tactics for existing products, services and societal marketing, legislation, and consumerism.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89922 Design Project

12cp

Postgraduate

Continuation of 89921 Design Project Preliminary.

Typical availability

Autumn semester, City campus

Spring semester, City campus

89971 Exchange 1A

6cp
Undergraduate

This subject is the first of four subjects designed for students embarking on international exchange in Autumn semester.

Typical availability

Autumn semester, City campus

89972 Exchange 2A

6cp
Undergraduate

This subject is the second of four subjects designed for students embarking on international exchange in Autumn semester.

Typical availability

Autumn semester, City campus

89973 Exchange 3A

6cp
Undergraduate

This subject is the third of four subjects designed for students embarking on international exchange in Autumn semester.

Typical availability

Autumn semester, City campus

89974 Exchange 4A

6cp
Undergraduate

This subject is the last of four subjects designed for students embarking on international exchange in Autumn semester.

Typical availability

Autumn semester, City campus

89975 Exchange 1S

6cp
Undergraduate

This subject is the first of four subjects designed for students embarking on international exchange in Spring semester.

Typical availability

Spring semester, City campus

89976 Exchange 2S

6cp
Undergraduate

This subject is the second of four subjects designed for students embarking on international exchange in Spring semester.

Typical availability

Spring semester, City campus

89977 Exchange 3S

6cp
Undergraduate

This subject is the third of four subjects designed for students embarking on international exchange in Spring semester.

Typical availability

Spring semester, City campus

89978 Exchange 4S

6cp
Undergraduate

This subject is the last of four subjects designed for students embarking on international exchange in Spring semester.

Typical availability

Spring semester, City campus

89990 Animation Project

24cp
Requisite(s): 89200 Graphic Visualisation
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

In project work students undertake an original short piece of animation work informed by theoretical study, based on independent research and showing evidence of their professional skills and creative expertise. The project can be in any appropriate form and style of animation production. Students are also required to produce a critical rationale (of approximately 5,000 words) to accompany the project. The animation project is required to demonstrate work of a high standard with the possibility of being publicly exhibited. It must be of a length that can be reasonably completed within the time frame. In Animation Project, students work with their supervisor to negotiate the feasibility and length of their proposed project and their production schedule. In this first part of the semester, students are expected to take their project through research and script revisions to storyboard stage and into pre-production. Students are also expected to make significant progress on their rationale by mid-semester then take both this and their project through to completion. The project should be a significant piece of quality animation, informed by theory and suitable for international exhibition, with an accompanying rationale and research document. It must show evidence that students have engaged in a lively dialogue between theoretical ideas and production practices. Students take the project from shooting, through editing, sound design and post-production. They are expected to screen work-in-progress to their supervisor and regularly report on their post-production. The completed project should demonstrate the student's professional skills and creative expertise and the evidence of the student's capacities as an animator. The subject is conducted by individual supervision and attendance at weekly seminars that offer students the opportunity to present their program ideas, project development and work-in-progress for critical examination. There is also screening and discussion of short media work and the presentation of production case studies relevant to student's own production work.

89991 Animation Project A

12cp
Requisite(s): 89200 Graphic Visualisation
There are also course requisites for this subject. See access conditions.
Postgraduate

In project work students undertake an original short piece of animation work informed by theoretical study, based on independent research and showing evidence of their professional skills and creative expertise. The project can be in any appropriate form and style of animation production. Students are also required to produce a critical rationale (of approximately 5,000 words) to accompany the project. The animation project is required to demonstrate work of a high standard with the possibility of being publicly exhibited. It must be of a length that can be reasonably completed within the time frame. In this subject, students work with their supervisor to negotiate the feasibility and length of their proposed project and their production schedule. In this first semester, students are expected to take their project through research and script revisions to storyboard stage and into pre-production. Students are also expected to make significant progress on their rationale. The subject is conducted by individual supervision and attendance at weekly seminars that offer students the opportunity to present their program ideas, project development and work-in-progress for critical examination. There is also screening and discussion of short media work and the presentation of production case studies relevant to student's own production work.

89992 Animation Project B

12cp
Requisite(s): 89991 Animation Project A AND 89200 Graphic Visualisation
Postgraduate

This subject continues the individual and/or group production processes developed in the prerequisite subject through to completion of a significant piece of quality animation, informed by theory and suitable for international exhibition, including an accompanying rationale and research document. It must show evidence that students have engaged in a lively dialogue between theoretical ideas and industry standard animation production practices (i.e. group work

that demonstrates individual roles and responsibilities). Students take the project from shooting, through editing, sound design and postproduction. They are expected to demonstrate their individual roles and associated processes and screen work in progress to their supervisor and regularly report on their postproduction. The completed project should demonstrate the student's professional skills and creative expertise and the evidence of the student's capacities as an animator or skills in a specialised area of animation. The subject is conducted by individual/group supervision and attendance at weekly seminars. In this subject students are also required to submit written critical rationale in support of their project.

90001 Exchange Elective 1 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90002 Exchange Elective 2 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90003 Exchange Elective 3 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90004 Exchange Elective 4 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90005 Exchange Elective 5 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90006 Exchange Elective 6 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90007 Exchange Elective 7 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

90008 Exchange Elective 8 (Information Technology)

6cp; availability: outbound international exchange students only
Undergraduate

Enrolment in this subject indicates that a student has completed an elective subject in information technology as part of the UTS international exchange program. Before outbound exchange students can enrol in this subject, the equivalent subject at the exchange partner university must be approved. For students enrolled in UTS: Information Technology courses, this approval must be sought from their program leader. For non-IT students wishing to study IT electives overseas, this approval must be sought from the UTS: Information Technology international exchange contact person.

Typical availability

Autumn semester, City campus

Spring semester, City campus

91103 Honours FT (Medical and Molecular Bioscience) 1

24cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in the biological and biomedical sciences. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigation in an area of interest. The data collected are then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis, which comprises the main assessment component.

Typical availability

Autumn semester, City campus

91104 Honours FT (Medical and Molecular Bioscience) 2

24cp

Study in this subject is designed to enhance the skills and knowledge necessary for research in the biological and biomedical sciences. The principal activity is an individual research project in which the student, under supervision, plans and undertakes investigation in an area of interest. The data collected are then subjected to analysis and interpretation under the guidance of the supervisor. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis, which comprises the main assessment component.

Typical availability

Spring semester, City campus

91105 Honours FT (Environmental Science) 1

24cp

Study in this subject is designed to enhance skills and knowledge in undertaking research in environmental science. The subject comprises 12 credit points of electives in a specialist field and a 36-credit-point equivalent individual research project where the student, under supervision, defines a problem in an area of interest, and then collects, analyses and interprets data to solve this problem. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and to develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis which comprises the main assessment component. Research ethics and scientific method are emphasised.

Typical availability

Autumn semester, City campus

Spring semester, City campus

91106 Honours FT (Environmental Science) 2

24cp

Study in this subject is designed to enhance skills and knowledge in undertaking research in environmental science. The subject comprises 12 credit points of electives in a specialist field and a 36-credit-point equivalent individual research project where the student, under supervision, defines a problem in an area of interest, and then collects, analyses and interprets data to solve this problem. Students learn to define objectives and aims, work to available time and resources, use appropriate research methods, critically assess information and to develop complex arguments in detail. The findings of the research project are presented in a structured and integrated thesis which comprises the main assessment component. Research ethics and scientific method are emphasised.

Typical availability

Autumn semester, City campus

Spring semester, City campus

91107 The Biosphere

6cp; 5hpw

This subject provides an introduction to the science of the biosphere; a collective term encapsulating all life on earth. The subject explores the environment and how it relates to life; interactions among the various living and non-living components within the biosphere, and with external factors such as climate; the fundamental construct of the Earth's crust; and issues associated with land and water. Throughout the subject there is an integrated focus on the science of the biosphere and the effects of humans and their activities on the biosphere, including current issues such as climate change, sustainability and the water crisis. Some of the skills that students acquire in this subject include presentation and interpretation of scientific data, and communicating science.

Typical availability

Autumn semester, City campus

91110 Experimental Design and Sampling

6cp; 5hpw

Requisite(s): 33116 Statistical Design and Analysis OR 33109c Statistics for Environmental Biologists

This subject demonstrates the keystone role of experimental design and data analysis in environmental science. It also provides a logical framework for conducting scientific research, as well as builds on the analytical skills acquired in past subjects at UTS. By the end of this subject, students are able to design and analyse unconfounded experiments in the field and laboratory. They also have an improved knowledge of multifactor ANOVA, correlation and regression analyses and non-parametric multivariate techniques. The skills learnt in this subject are crucial for future work at UTS and for a successful career in environmental science.

Typical availability

Autumn semester, City campus

91116 Wildlife Ecology

6cp; students are expected to attend lectures, student talks, and a four-day field excursion

Requisite(s): 91363 Animal Behaviour and Physiology OR 91309 Biodiversity Conservation

These requisites may not apply to students in certain courses. See access conditions.

This subject explores the conservation, management and study of wildlife in Australia. It focuses on current issues in wildlife ecology and applied solutions to conservation and wildlife management problems. The subject gives students hands-on experience in wildlife ecology and involves a field trip where students learn a broad range of skills and techniques used to survey, identify and study wildlife. Students learn many of the necessary skills and knowledge to contribute in a professional capacity to the conservation and management of Australian wildlife. Topics include conservation biology, the ecology of threatened and endangered species, anthropogenic impacts on Australian wildlife, captive breeding programs, the role of zoos and national parks in conservation, the ecology of native and introduced pest animals, and the sustainable use of wildlife. Guest lecturers, researchers, and resource managers give presentations covering a range of contemporary issues and advances in the vibrant interdisciplinary field of wildlife ecology.

Typical availability

Autumn semester, City campus

Note(s)

Students wishing to take this subject without the abovementioned prerequisites need to discuss it with the course director or subject coordinator before putting in an e-request.

91118 Fisheries Resources

6cp

Requisite(s): 91123 Biocomplexity OR 91153 Catchment Ecosystems

These requisites may not apply to students in certain courses. See access conditions.

In this subject students learn about the biology of freshwater, estuarine and marine biological resources in relation to their exploitation by humans. Problems of productivity against a background of regulations, fishing methods and climate change are explored, and the major management requirements for ecologically sustainable development of coastal and freshwater fisheries resources are addressed. NSW and Australian practices are examined in relation to best practices elsewhere. Some classes are taught in excursion mode, as well as workshops with fisheries professionals.

Typical availability

Autumn semester, City campus

91120 GIS and Remote Sensing

6cp
Requisite(s): 72 credit points of completed study in Completion of 72 credit points in a Bachelor's degree
These requisites may not apply to students in certain courses. See access conditions.

This subject provides students with an understanding of some of the complex aspects related to the use, development and management of geographical information systems (GIS) as well as exposure to elements of remote sensing as applied to the study of natural phenomena. In the GIS stream students gain exposure to one of the most widely used GIS softwares in industry and science. In the remote sensing stream students are presented with elements of the physical principles underpinning collection of earth systems data from orbiters and the payloads on board. Experience on how to input data obtained by remote sensing (as well as other sources) into a GIS is also gained. The subject includes lectures, computer practicals and discussion boards. Selected case studies on the application of GIS and remote sensing are presented by guest speakers as appropriate, depending on speakers' availability.

Typical availability

Autumn semester, City campus

91121 Aquatic Ecology

6cp; includes a compulsory field trip to Manly Dam, usually held in March
Requisite(s): 91110 Experimental Design and Sampling AND 91154 Ecology

This subject gives students a comprehensive understanding of the ecology of aquatic ecosystems (freshwater and marine). It provides students with knowledge of the physical, chemical and biological processes and their interactions that occur in freshwater, marine and estuarine systems. It also introduces them to the effects of anthropogenic impacts of in-stream and catchment activities on the integrity of these ecosystems, and approaches to managing these water resources. Students develop an appreciation of the importance of understanding the ecology of these systems as it underpins the ability to manage these resources for the benefit of the biota and humanity. These include an appreciation of the rich and varied patterns of biodiversity and physical features among these habitats, and the importance of maintaining their integrity in the face of anthropogenic impacts. Understanding ecosystem integrity requires and understanding of the structure and function of these ecosystems. The subject develops the student's ability to research issues related to the project component of the subject to discuss the implications of their results in the broader context of the ecology of aquatic ecosystems.

The subject applies the knowledge gained in 91110 Experimental Design and Sampling in the practical activities which are project based. It also provides the knowledge and skills required for the elective subject 91155 Stream and Lake Assessment.

Typical availability

Autumn semester, City campus

91123 Biocomplexity

6cp; 6hpw

The existence of humans on earth has arguably been made possible through the evolution of a vast diversity of biota – to which we are inextricably linked, both directly and indirectly. Earth's biodiversity is not only extraordinary and fascinating but also fundamental to our ongoing survival. An understanding of the biological complexity of life is an important component underpinning a career in science, irrespective of the chosen scientific profession.

This subject investigates the question: what does it take for life to exist in the range of habitats across the globe? There is considerable variation among living organisms, including humans, in their biology and how they interact with their environment. This subject explores the problems faced by organisms living in different habitats and demonstrates the strategies of plants, animals, fungi, protists, bacteria and archaea that have evolved to cope with the vast array of habitats on earth. The order in which these biota are treated is reflected in the order of the evolution of life, i.e. movement from water to land (and in some cases back again). All major taxa are discussed comparatively to better demonstrate the diversity of evolutionary strategies that have evolved in response to environmental conditions. The subject concludes with considerations of the sustainable use of animals, plants, fungi and bacteria as resources for humans.

Typical availability

Spring semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/AjucHSOTZvc
- Academic video: www.youtu.be/uBnH57M1apM

91126 Coral Reef Ecosystems

6cp; includes a six-day field excursion to One Tree Island, normally held in July; availability: enrolment is restricted due to the availability of space at the One Tree Island Research Station and preference is given to final-year students in the Bachelor of Science in Marine Biology
Requisite(s): 91123 Biocomplexity AND 91121 Aquatic Ecology

Coral reefs are biodiverse and spectacular global ecosystems that are currently at risk from human exploitation and climate change. In this senior-level field subject, students examine in detail the ecology and geology of a coral reef environment, and its relevance to sustainable management. As part of the study, students carry out a group research project on an area of special interest within the reef environment. The subject requires a literature survey and a workshop prior to attendance and preparation of a field report following completion of the field work. The subject covers a range of aspects of the marine environment, including chemical, biological, social, physical and geological oceanography, with a special emphasis on the biology of fishes, benthic fauna, plants and sediments. The subject includes a six-day excursion to Queensland's Heron Island.

Typical availability

July session, City campus

91129 Transfusion Science

6cp; 6hpw
Requisite(s): 91401 Introductory Haematology and Immunology

This subject covers human blood groups, principles of donor blood compatibility and antigen/antibody reactions, detection and identification of serum antibodies, blood products, the safety of the blood supply and minimisation of transmission of infectious diseases, investigation of transfusion reactions, haemolytic disease of the newborn, platelet and leucocyte immunohaematology, transfusion in critical care situations, legal aspects of transfusion of blood products, stem cell transplantation, and cytokine stimulation of haemopoiesis.

Typical availability

Spring semester, City campus

91132 Molecular Biology 1

6cp; 6hpw
Requisite(s): 91161 Cell Biology and Genetics AND 91314 General Microbiology
These requisites may not apply to students in certain courses. See access conditions.

This subject provides an introduction to the basics of molecular biology and an understanding of the key concepts underlying the experimental techniques of DNA manipulations of a molecular biology laboratory. Topics covered include: DNA and RNA isolation, restriction enzymes, DNA ligation, cloning strategies; southern, northern and western blotting; and an introduction to DNA sequencing and PCR. Emphasis is also placed on the use of databases to retrieve and analyse nucleic acid and protein sequences. This subject encourages students to become adept at the techniques required for molecular analysis in a modern scientific laboratory, and provides a foundation for more advanced molecular biology study.

Typical availability

Spring semester, City campus

91137 DNA Profiling

6cp; 5hpw
Requisite(s): (35255 Forensic Statistics AND (65242 Principles of Forensic Science OR 65241 Principles of Forensic Science) AND (65342c Crime Scene Investigation OR 65543c Crime Scene Investigation) AND 91132 Molecular Biology 1)
These requisites may not apply to students in certain courses. See access conditions.

This subject examines advanced molecular biological techniques, and the performance of DNA laboratory extraction procedures from a variety of samples. DNA extract amplification and examination using the standards is highlighted as required for court admissible evidence. Population genetics and population structure is addressed in relation to relevance of results. Basic population statistics and likelihood ratios is discussed in relation to considerations, quality control, proficiency testing and accreditation. Students study the applications of these techniques in quarantine, customs and wildlife management.

Typical availability

Autumn semester, City campus

91138 Investigation of Human Remains

6cp; 5hpw; availability: limited places are available with priority given to Bachelor of Forensic Biology in Biomedical Science (C10174) students; it also may not be available as an elective to other science students, contact the subject coordinator
Requisite(s): ((91402 Anatomical Pathology OR 91354 Anatomical Pathology) AND (65342c Crime Scene Investigation OR 65543c Crime Scene Investigation) AND 91314 General Microbiology)
These requisites may not apply to students in certain courses. See access conditions.

This subject covers the coronial system, the function of the coroner, ethical and religious issues, sensitivity to Koori (and other indigenous Australian people) rights and heritage, and procedures required for disaster victim identification. Theoretical and practical aspects also include recovery of remains, decomposition, methods to estimate time of death, ways forensic scientists and pathologists distinguish race, age and gender of the deceased and whether death was caused by ageing, disease or accidental or intentional means. Students are also introduced to odontological (dental), osteological (bone) and anthropological techniques, which also assist in such identifications.

Typical availability

Autumn semester, City campus

91139 Complex Forensic Cases (Biology)

6cp; 4hpw
Requisite(s): 91137 DNA Profiling AND 91138 Investigation of Human Remains
These requisites may not apply to students in certain courses. See access conditions.

This subject examines some cornerstone cases in biological evidence, which lead to changes in testing and court procedures. The subject also includes working through mock cases, making decisions on what samples to take and analyses to perform, along with relevant controls and reference samples. A court report is written (submitted for marking) and evidence relating to the case presented in a mock trial. The report details the case strategy, relevant quality assurance, control, reference samples and significance of the findings.

Typical availability

Spring semester, City campus

91140 BioNanotechnology

6cp; 5hpw
Requisite(s): (((65201 Chemistry 2C OR 65212 Chemistry 2)) OR 65022 Chemistry 2A)
These requisites may not apply to students in certain courses. See access conditions.

Biological systems are extremely important in nanotechnology and many new applications are being developed by mimicking natural systems. Biology is extremely good at self-assembling complex, multi-functional systems at the nanoscale, e.g. cell membranes or DNA. By understanding how these systems work, nanotechnologists are developing new biosensing, biomedical and materials applications, e.g. the ion-channel biosensor. This subject investigates the science that underlies these biological processes and how it is applied in contemporary nanotechnologies.

Typical availability

Spring semester, City campus

91142 Biotechnology

6cp; 6hpw
Requisite(s): ((91320c Metabolic Biochemistry AND 91314c General Microbiology) OR 91313 Biomolecules: Structure and Function)

This subject provides a detailed overview of the biotechnology industry from the traditional industries to the recent high-technology industries. The major streams of food biotechnology, agricultural biotechnology, industrial biotechnology and medical biotechnology are explored with an emphasis on recent advances and modern procedures.

Typical availability

Autumn semester, City campus

91144 Plant Biotechnology

6cp; 5hpw
Requisite(s): 91132 Molecular Biology 1

In this subject, students are introduced to plant cell and tissue culture and the application of these techniques to cloning, somatic embryogenesis and somaclonal variation, and totipotent cells as a means of multiplication and determining phenotypic and genetic stability of tissue cultured plants. The subject also includes media preparation and nutrient requirements and the use of robotics and biofermentors in micropropagation. Pathogen detection and elimination, virus-free plants, pathogen indexing, certification of horticultural crops, plant quarantine, germplasm preservation, cryopreservation, long-term storage, and biosecondary metabolites are covered. Physiological status of micropropagated plants, transplanting and hardening-off stages are demonstrated and practices and problems in micropropagation such as vitrification, phenolic exudates, vessel environment and large-scale production are covered. Techniques used in plant biotechnology such as transgenic plant production, molecular biology and proteomics are covered and environmental concerns and biosafety regulations are included. Emphasis is given to Australian indigenous and rare flora and agriculturally important crops.

Typical availability

Spring semester, City campus

91145 Environmental Protection and Management

6cp; 5hpw
Requisite(s): 91154 Ecology
These requisites may not apply to students in certain courses. See access conditions.

There has never been a greater need for environmental protection and management, and for the science needed to guide decisions on ways to protect the environment and manage human activities. Degradation of the Earth's natural environment by unsustainable human activities endangers ecosystems and biodiversity, and impacts human society through its effects on incomes and livelihood, human health, global climate, and recreation and culture.

This subject reviews current issues for the environment, approaches to environmental protection and management, the contribution of science to understanding the impacts of human uses of the natural environment, and the pivotal role of science in the development of solutions to environmental issues. The subject is taught by lectures, workshops that focus on critical analysis of current environmental topics, and a group project. Topics covered include: environmental ethics, environmental impact assessment, environmental risk assessment and management, environmental management systems, rehabilitation, ecosystem-scale management, conservation value, protected areas, and community participation in environmental protection and management.

Typical availability

Spring semester, City campus

91146 Topics in Australian Marine Science

6cp

This subject introduces students to current research undertaken in the various disciplines of marine science in Australia. It is a multi-institutional subject taught at the Sydney Institute of Marine Science (SIMS) with contributions from four partner universities (UTS, UNSW, USyd, and Macquarie). Students are able to take advantage of the newly built (as of 2011) facilities at SIMS, and its more than 80 associate scientists. Lectures and tutorials are taught by leading marine science researchers. The SIMS partnership provides a breadth of expertise that would not be achieved by any institution in isolation. Topics cover physical and biological oceanography, climate change, molecular ecology, aquaculture, marine biology and marine geosciences. In practical classes, students analyse and interpret remotely-sensed data from the Integrated Marine Observing System (IMOS), which provides comprehensive information on the biological and physical processes of Australia's coastal and oceanic waters.

91149 Geological Processes

6cp; 6hpw

Requisite(s): 35101 Introduction to Linear Dynamical Systems OR 68041 Physical Aspects of Nature OR 68101 Foundations of Physics

This subject introduces basic concepts of environment building processes. The focus is on the processes of rock and landscape formation, and their evolution due to the action of atmosphere and hydrosphere, and the interaction with the biosphere. Geomorphologic processes and their relationship to the underlying geological sequences are presented, as well as principles of weathering and sedimentology; soils and sediments, their formation, structure and function in supporting soil-based ecosystems. Unravelling the history of the Earth through the study of layering in rocks and examination of the fossil record are included, together with an introduction to the development of stratigraphic principles and their significance in understanding the nature of surface materials through aspects of superposition, correlation, structure, erosion and land stability. Practical classes are aimed at equipping students with the following essential skills: map reading and environmental interpretation; and practical identification of sediment, soil, minerals, rocks and fossils.

Typical availability

Autumn semester, City campus

91154 Ecology

6cp

Requisite(s): 91107 The Biosphere OR 91123 Biocomplexity

Management and remediation of the vast array of environmental problems facing the globe require a rigorous, scientific understanding of how ecosystems work. In this subject, students are introduced to fundamental ecological principles underpinning the structure and function of ecosystems. Theoretical and empirical examples are provided using a broad cross-section of organisms (e.g. invertebrates and vertebrates) and ecosystems (e.g. aquatic and terrestrial) with a focus on the application of ecological knowledge to the conservation and management of biodiversity. Field work in several different systems (e.g. woodland vegetation, rocky shore habitat) during practical classes is compulsory. This subject is an important link to a range of third-year subjects that require a deep understanding of ecological concepts.

Typical availability

Autumn semester, City campus

91155 Stream and Lake Assessment

6cp

Requisite(s): 91121 Aquatic Ecology

These requisites may not apply to students in certain courses. See access conditions.

Australia is the driest inhabited continent on earth and our limited surface water is critical for biodiversity as well as freshwater for direct human consumption for irrigation, potable water, industry and a range of other ecosystems services that derive from healthy freshwater systems. In order to ensure biodiversity protection and that the impacts of human disturbances are understood, it is necessary to be able to assess the health of streams and lakes. This subject covers the biological characteristics of Australian streams and lakes, methods of measuring their health via biomonitoring and water quality measurements, and the ecological management of streams and lakes. An appreciation of these factors allows students to contribute to the ongoing debates about direct human consumption of freshwater versus 'environmental flows', the regulation of water by dams and other engineering works, and the impact of environmental contaminants on freshwater systems. This subject is targeted at those seeking a career as professional freshwater ecologists in government, environmental consultancy, companies and universities. A two-day field excursion is a core component of this subject.

Typical availability

Spring semester, City campus

91156 Marine Productivity and Climate Change

6cp; block, plus 7-day excursion

Requisite(s): 96 Credit Points in spk(s): C10227 Bachelor of Environmental Forensics OR 96 Credit Points in spk(s): C10228 Bachelor of Marine Biology OR 96 Credit Points in spk(s): C10115 Bachelor of Biomedical Science OR 96 Credit Points in spk(s): C10172 Bachelor of Biotechnology OR 96 Credit Points in spk(s): C10184 Bachelor of Medical Science

These requisites may not apply to students in certain courses. See access conditions.

Marine ecosystems are supported by the energy derived from its primary producers. With the continuing increase in anthropogenic CO2 emissions, the need for understanding the processes that underpin primary production are necessary to better understand how climate change will impact marine ecosystems. Over 50% of the oxygen we breathe is generated by our marine ecosystems; this oxygen is a direct result of the photosynthesis performed by marine microalgae, macroalgae, seagrass and corals. Marine ecosystems present a range of unique problems in assessing their health and therefore primary productivity. This subject investigates drivers of primary production in essential marine ecosystems (oceanic phytoplankton; coastal and intertidal; seagrass, mangrove and coral communities; sea-ice and benthic microalgae), and explores how rising atmospheric CO2 and climate change are threatening the ecosystem functioning and services of our marine environment. How primary producers support their ecosystems and practice a range of techniques used to monitor their production and health is explored, with a special focus on their capacity for adaptation to a greenhouse world.

This subject is predominantly taught on Heron Island, with some laboratory practicals and lectures presented in Sydney during the early part of Spring semester.

Typical availability

July session, City campus

Note(s)

91156 runs every day (3rd year).

91157 Marine Communities

6cp; block, plus one-day and three-day excursions

Requisite(s): 91154 Ecology AND 91110 Experimental Design and Sampling

These requisites may not apply to students in certain courses. See access conditions.

Australia is directly responsible for more the 16 million square kilometres (km2) of ocean, which contributes in excess of $50 billion to our economy each year. Sustainable management of our coastal and oceanic resources can only come through understanding of the ecology of these systems. In this subject students develop an understanding of the processes that structure marine communities and support marine mammal populations. Problem-based learning techniques are used to elucidate interactions between the animals and plants in marine communities. Special attention is paid to local rocky reef, soft-sediment and pelagic (open water) communities. This subject integrates lecture and fieldwork, complementing other subjects which focus on fish, coral reef ecosystems, marine primary producers and marine geosciences. Experimental work is conducted in the field during a three-day excursion to Pearl Beach, held during tutorial week. Due to the Pearl Beach excursion, numbers are limited and preference is given to second-year marine biology students.

Typical availability

Spring semester, City campus

Note(s)

91157 runs every year (2nd year).

91159 Environmental Forensics

6cp; 5hpw

Requisite(s): ((91152 Contemporary Environmental Issues OR 65012 Chemistry 1A OR 65101 Chemistry 1C)) OR (91107 The Biosphere AND 91123 Biocomplexity)

Recommended studies: 65111 Chemistry 1; 91107 The Biosphere; 91123 Biocomplexity

This subject is a combination of analytical and biological disciplines that aid scientific investigations and address the nature and implications of contaminants in the environment. Environmental forensics investigates the sources, fate and transport of toxicants in soils, water and air, and effects on biological and ecological processes that have legal, financial and social environmental implications. In this subject student are introduced and exposed to the study of impacts of major pollutants and toxicants in aquatic and terrestrial ecosystems on biota, their fates in the environment and the methodologies that are used to measure impacts to yield results that are acceptable under regulatory constraints. The contributions of field and laboratory methods of assessment are evaluated in the context of monitoring and assessment, quality assurance and quality control (QA/QC), and forensic investigation methods relevant to the environmental protection area. Relevant examples from Australia are explored throughout the subject, along with international case studies. Several one-day excursions to testing laboratories and prospective employment organisations are included. The subject integrates techniques used in plant physiology and biotechnology to investigate environmental pollution, such as plant and invertebrate bioassays and phytoremediation. Issues of concerns and biosafety related to these environmental technologies are discussed. Special emphasis is given to evaluating Australian indigenous flora and fauna, and their application to urban and rural environments.

Typical availability

Spring semester, City campus

91161 Cell Biology and Genetics

6cp; 6hpw

This subject is concerned with the cellular nature of biological material and students engage in processes of scientific inquiry in cell biology and genetics. The subject introduces the student to the basic concepts of cell biology, cell structure and function and the underlying genetic code. The different structure, composition and function of prokaryotes, eukaryotes and archaea are covered. The subject covers the structure and properties of cell membranes and transport across them, as well as the chemical changes (both synthetic and degradative) that occur in cells and the ways in which cells obtain, store and manipulate energy. Processes of cell communication, including cell recognition and adhesion, and the ways in which cells respond to external signals are also covered.

Students are introduced to the methods used to investigate cellular structure and the functional significance of their sub-cellular organisation. Cell growth and division along with stages of the cell cycle and key molecules and mechanisms involved in its regulation, along with mitosis and meiosis are discussed. The topics of cell proliferation, cell differentiation and apoptosis (programmed cell death) are covered. In this subject students learn to undertake independent research and participate in the scientific peer review process.

Typical availability

Autumn semester, City campus

91163 Alpine and Lowland Ecology

6cp

Requisite(s): 91110 Experimental Design and Sampling AND 91154 Ecology

This is a field-based subject run every third summer. The 'Great Southern' is an 11-day field trip from the southeast coastal to alpine regions of New South Wales. This field trip alternates on a three-year rotation with 91371 Forest and Mountain Ecology (the 'Great Northern') and 91370 Semi-arid Ecology (the 'Great Western'), i.e. each subject is offered once every three years. The next offering of this subject is in December 2016.

The discipline of environmental science requires a comprehensive understanding of the environment, which is best achieved by experiencing it first-hand. Worldwide, ecological processes and biota vary dramatically with altitude. Such an altitudinal gradient can be seen in Australia not far from Sydney. The field trip goes from the lowest to the highest locations in Australia: sea level on the southeast coast to Mt Kosciuszko at 2,228 metres. Along this gradient, students experience changes in flora, fauna, and ecology, driven by the climatic forces and other process that vary from the ocean to the mountains. The curriculum framework is therefore altitudinal change, with core content focusing on vegetation changes in height, form, species composition, ecology and human use. Students compare heathlands at the top and the bottom of the range, the tall forests in between, and their associated fauna and aquatic systems. Students experience first-hand the major climatic driver of environmental change along this altitudinal gradient: temperature. They also learn how the interacting forces of rainfall, soil, slope, and aspect shape the ecological complexity as they gradually ascend Australia's tallest peak.

Typical availability

Summer session

The next offering of this subject is in December 2016.

91164 Communication for Science

6cp; lecture: 1hpw; workshop: 3hpw

This is an integrated subject aimed at developing and enhancing oral and written communication skills of students entering science. The content of lectures and practical workshops deals with the development of a range of academic and professional communication skills such as effective reading of scientific texts, writing for a range of readers and purposes in various science disciplines, effective speaking and listening. The subject also addresses ethical considerations relevant to science communication, such as plagiarism, truth in reporting of scientific data and ethical dilemmas in science.

91165 External Marine Study 1

6cp

For subject description, contact UTS: Science.

91166 External Marine Study 2

6cp

For subject description, contact UTS: Science.

91170 Microbial Ecology

6cp

Requisite(s): (91107 The Biosphere AND 91123 Biocomplexity AND (91161 Cell Biology and Genetics OR 65111 Chemistry 1))

Microorganisms dominate all natural ecosystems and are fundamentally important for the maintenance of conditions that permit life on earth. Microbes are also important infectious agents or symbionts of animals and plants, and thus play a critical role in influencing the physiology and ecology of these larger organisms. Understanding these relationships and the ecology of microbes is often overlooked, but fundamental to environmental science. This subject goes beyond traditional laboratory and clinical-based microbiology to examine the ecological role of microorganisms in natural environments. Within this context the subject investigates how microorganisms fit into aquatic and terrestrial food webs, and the roles that they play in controlling global chemical cycling processes. The ways that microbes interact with higher organisms (animals and plants) and their influence on human society are also examined. The primary objective is to provide a comprehensive introduction to the multifaceted influences of microorganisms in our natural world.

Typical availability

Spring semester, City campus

91171 Biomedical Engineering Project A

12cp

For subject description, contact UTS: Science.

91172 Biomedical Engineering Project B

12cp

For subject description, contact UTS: Science.

91173 Biomedical Engineering Project

24cp

For subject description, contact UTS: Science.

Access conditions are available in the individual subject descriptions in the online handbook.

91239 Human Pathophysiology

6cp; 5hpw
Requisite(s): (91400 Human Anatomy and Physiology OR (91701 Medical Science 1 AND 91702 Medical Science 2))
These requisites may not apply to students in certain courses. See access conditions.

This subject aims to provide an overview of the essential elements of the disease process as occurring in some common disorders of each of the major body systems. This information is provided in the context of how the disorder affects healthy structure and function, and so reinforces basic anatomy and physiology previously studied. Topics include immunology, cancer, endocrine, gastrointestinal, respiratory, cardiovascular, renal and body fluid, nervous, musculoskeletal and reproductive disorders.

Typical availability

Spring semester, City campus

91270 Plant Physiology and Ecophysiology

6cp
Requisite(s): (91123 Biocomplexity OR (91101 Cells, Genetics and Evolution AND 91151 Plants, People and the Environment AND 65212 Chemistry 2))

Plants are the cornerstone of energy capture and transformation of all ecosystems. The productivity of plants and their influence on water, carbon, nutrient and energy cycles is central to the functioning of landscapes. Developing knowledge of the physiology and ecophysiology of plants allows students to contribute to ongoing debates about overcoming the impacts of climate change, global food insecurity and the rise of water scarcity as a socio-political issue.

This subject introduces the key concepts, processes and techniques required to understand the basics of the physiology of plants and the interaction of the abiotic environment with plants in the field (ecophysiology). It is taught using a combination of lectures, practical lab work and group project work. Topics covered include a selection from the following: how plants fix carbon; long-distance transport in the phloem; uptake, movement and control of water fluxes in the soil-plant-atmosphere continuum; landscape carbon and water budgets; behaviour and physiology of stomata; nitrogen fixation of vascular plants; ion uptake by plant roots; comparative ecophysiology of plants in contrasting environments; the ecophysiology of global plant mortality in response to drought; and the physiology of plants exposed to stress.

Typical availability

Spring semester, City campus

Note(s)

This subject was formerly called Plant Ecophysiology.

91309 Biodiversity Conservation

6cp; 5hpw
Requisite(s): 91154 Ecology
These requisites may not apply to students in certain courses. See access conditions.

Biodiversity is threatened globally and species are becoming extinct at unprecedented rates as a result of human activities. In this subject students learn the conceptual framework of conservation biogeography to investigate both the theoretical principles (e.g. island biogeography) and applied challenges (e.g. limited time, resources and conflicting stakeholder interests) of conserving biodiversity in the face of expanding human populations and increasing demands on natural resources. Students learn about modern approaches to assessing biodiversity across a range of spatial scales - from local plant and animal communities to floral and faunal diversity at continental and global scales - and monitoring biodiversity change through time. There is a focus on Australian terrestrial vertebrates, invertebrates and plants and the pressing environmental issues of invasive species, urbanisation and climate change. This subject is a logical advanced extension of the prerequisite subject and it provides essential skills for a range of environmental career paths.

Typical availability

Autumn semester, City campus

91314 General Microbiology

6cp; 5hpw
Requisite(s): 91161 Cell Biology and Genetics OR 91701 Medical Science 1 OR 91101 Cells, Genetics and Evolution

This subject provides an introduction to the structure, function and taxonomy of the bacteria, fungi, protozoa, and viruses. Several key topics in the study of microbiology are discussed including microscopy, sterilisation, disinfection, microbial nutrition, microbial growth, bacterial identification schemes, as well as antibiotic and anti-microbial agents, and contemporary techniques in molecular microbiology. Basic mycology, parasitology, and virology are covered, with an emphasis on transmission control of these organisms. The practical exercises give students experience in the principal laboratory procedures for the isolation, manipulation, growth and identification of micro-organisms.

Typical availability

Autumn semester, City campus

Note(s)

This subject was formerly called Microbiology 1.

91320 Metabolic Biochemistry

6cp; 6hpw
Requisite(s): (91161 Cell Biology and Genetics OR 91313 Biomolecules: Structure and Function) AND (65212 Chemistry 2 OR 65022 Chemistry 2A OR 65201 Chemistry 2C)

This subject introduces students to cellular metabolism and energy transfer mechanisms. It provides an overview of the main carbohydrate catabolic and anabolic pathways including glycolysis, Krebs cycle and oxidative phosphorylation, gluconeogenesis and glycogen metabolism. It provides an understanding of nitrogen and fatty acid metabolism, and the metabolic specialisation of tissues and the relationships between tissues. Cell signalling and the role signals/hormones in maintaining homeostasis is explored.

This understanding of cell function provides a foundation for many subjects in biological and biomedical sciences. Emphasis is placed on mastering and understanding the principles of cellular reactions and their application to diverse cell types. The subject also introduces the basic tools and methods of biochemical experimentation, the application of biochemical reasoning, and the presentation of results in written format.

Typical availability

Autumn semester, City campus

Note(s)

This subject was formerly called Biochemistry 2.

91326 Analytical Biochemistry

6cp; 6hpw
Requisite(s): 91320 Metabolic Biochemistry OR 91313 Biomolecules: Structure and Function

This subject examines modern methods in biochemical analysis emphasising instrumentation, underlying principles, aims and strategies. It covers spectroscopic methods, spectrophotometry, spectrofluorometry flame emission and absorption photometry, magnetic resonance, mass spectrometry; chromatography principles and practice; GLC, HPLC; electrophoresis, centrifugation; applications to nucleic aids and proteins; cryoscopic osmometry; electrochemical methods; potentiometry and ion electrodes, polarography; introduction to radiochemistry; and immunoassay methods.

Typical availability

Spring semester, City campus

91330 Epidemiology and Public Health Microbiology

6cp; 6hpw
Requisite(s): 91314 General Microbiology

This subject covers the following topics: history of understanding of disease causation and of public health microbiology; basic epidemiological principles; mathematical formulation of epidemics; measures of disease frequency (rates and risk factors); sociological aspects; the public health laboratory environment; food, water and airborne diseases; exotic and notifiable diseases; zoonoses; application of bacterial enumeration and identification techniques to the examination of water and food; epidemiological tracing methods; biotyping; serotyping; bacteriophage typing; molecular

typing; control measures and interventions; hygiene; sanitation; disinfection; sterilisation; vaccines, vaccination procedures and vaccination programs.

Typical availability

Spring semester, City campus

91335 Molecular Biology 2

6cp; 6hpw
Requisite(s): 91132 Molecular Biology 1
These requisites may not apply to students in certain courses. See access conditions.

This subject covers the following topics: structure and organisation of the eukaryotic genome; fundamental introduction to the 'omics' technologies: genomics, transcriptomics and proteomics; control of gene expression by regulation of RNA synthesis, processing and translation; examples of gene therapy and transgenic technology including the use and design of expression vectors; and introduction to bioinformatics and the practical use of computer algorithms for the analysis of molecular data, DNA extraction and digestion for the identification of repetitive sequences, polymerase chain reaction and proteomics technology.

Typical availability

Autumn semester, City campus

91338 Clinical Bacteriology

6cp; 6hpw
Requisite(s): 91330 Epidemiology and Public Health Microbiology

This subject covers the following topics: quantitative methods, reliability studies, automation, data processing and numerical analysis in clinical microbiology; pathogenic microorganisms (their handling (including safety requirements), cultivation, isolation and relationship to the indigenous flora of humans and animals) a detailed study of staphylococci, streptococci, corynebacteria, mycobacteria, neisseria, enteric bacteria, pasteurellae, pseudomonads and spirochaetes; and antibiotics and antibiotic sensitivity testing.

Typical availability

Autumn semester, City campus

91344 Medical and Diagnostic Biochemistry

6cp; 6hpw
Requisite(s): 91320 Metabolic Biochemistry
These requisites may not apply to students in certain courses. See access conditions.

This subject is designed to introduce the basic concepts of medical biochemistry relevant to biotechnology, medical research and clinical analysis. It is structured in such a way that it analyses the basic biochemical abnormalities that lead to various disease states, their diagnosis, clinical analysis and final treatment. The major areas covered are abnormal kidney and liver function, biochemistry of haemoglobin pigments and their relation to disease. Abnormalities of carbohydrate metabolism such as diabetes, clinical enzymology and serum proteins in health and disease, the principles of laboratory management, with special emphasis on safety, quality control and automation are also covered.

Typical availability

Autumn semester, City campus

91345 Biochemistry, Genes and Disease

6cp; 6hpw
Requisite(s): 91320 Metabolic Biochemistry
These requisites may not apply to students in certain courses. See access conditions.

This subject covers biochemical and genetic aspects of human diseases for students planning careers in medical science, diagnostic biochemistry, molecular biology and biotechnology. In this subject, students learn about some of the more common heritable genetic defects and their medical and biochemical consequences. In addition, students further develop knowledge and practical skills in the biomedical applications of biochemical and molecular analysis. The lecture series covers three main areas: heritable metabolic defects, e.g. hypothyroidism, cystic fibrosis, familial hyperlipidemia, Down's syndrome; biochemical physiology and pathology, e.g. human biochemistry as expressed by lipid metabolism, detection of disease states resulting from altered biochemical systems; and current trends in biochemical/molecular research including cancer and gene therapy for diabetes. The practical component enables students to gain experience in test procedures used to detect and monitor disease, including techniques of radioimmunoassay, electrophoresis and PCR screening.

Typical availability

Spring semester, City campus

Note(s)

This subject was formerly called Clinical Biochemistry 2.

91352 Parasitology

6cp; 6hpw
Requisite(s): 91314 General Microbiology
These requisites may not apply to students in certain courses. See access conditions.

This subject covers the following topics: parasitism; biology of parasitic worms including nematodes, trematodes and cestodes; biology of parasitic protozoa including the sporozoans, flagellates, amoeba and ciliates; arthropods as vectors of disease; clinical parasitology; molecular biology of parasites; immunity and vaccine development; and antiparasitic therapy.

Typical availability

Spring semester, City campus

91358 Advanced Haematology

6cp; 4hpw
Requisite(s): 91401 Introductory Haematology and Immunology

This subject covers disease processes related to hereditary, acquired, benign and malignant disorders of haematological systems; correlation of physiological processes, pathological states and diagnostic tools in haematology; light microscopic morphological examination of peripheral blood and bone marrow in disease and correlation of these findings with indices and cell counts obtained by automated laboratory equipment; procedures for detection and precise diagnosis of anaemias, haemostatic disorders, haemoglobin disorders and haematological malignancies; the World Health Organization classification of haematological malignancies; introduction to cytogenetics; prenatal diagnosis of genetic disease, genetic counselling and cancer cytogenetics.

Typical availability

Autumn semester, City campus

91359 Advanced Immunology

6cp; 5hpw
Requisite(s): 91401 Introductory Haematology and Immunology
These requisites may not apply to students in certain courses. See access conditions.

This subject provides current concepts of modern immunology to students who have some basic understanding of the subject, and aims to develop an appreciation of the wide spectrum of applied immunology in medicine, research and industry. Specialised areas of immunology covered include: genetics of antibody diversity; structure of antibodies; genetics and structure of the T cell receptor and MHC molecules; cytokines; mechanisms of immune cell regulation in health and disease; clinical immunology and techniques applicable in both diagnostic and research laboratories, including enzyme-linked immunoassays; protein purification and analysis; cell separations and flow cytometry.

Typical availability

Autumn semester, City campus

91363 Animal Behaviour and Physiology

6cp
Requisite(s): 91123 Biocomplexity

Animal behaviour and physiology is the objective study of how animals interact with the natural environment. Understanding how animals behave and adapt to external environments, and why, is vital to many realms of science, but particularly the environmental sciences of biology, ecology, conservation, animal welfare and biogeography. Key to this understanding is the process by which adaptive responses arise through evolutionary selection. The focus of this subject is therefore to gain an understanding of the different repertoires of behaviour, their interaction with physiology and the environment,

and the processes that drive their evolution. Emphasis is placed on how adaptive responses enable species to survive and reproduce, and how environmental change favours or disfavours behaviours and physiologies (and, by inference, species).

Typical availability

Spring semester, City campus

91368 Bioreactors and Bioprocessing

6cp; 6hpw
Requisite(s): 91314 General Microbiology
These requisites may not apply to students in certain courses. See access conditions.

This subject covers the practical aspects of modern biotechnology including bioreactor operation, microbial kinetics, extraction techniques and downstream processing. It includes the microbiological physiological and biochemical basis of industrially useful fermentations in food, beverage, pharmaceutical and other relevant industries. Economic and other factors impinging on the operation of fermentation industries are also undertaken in this subject. The theory and laboratory practice is further developed by visits to local biotechnology businesses.

Typical availability

Spring semester, City campus

91369 Biobusiness and Environmental Biotechnology

6cp; 6hpw
Requisite(s): 91314 General Microbiology
These requisites may not apply to students in certain courses. See access conditions.

This subject explores microbial habitats, the microbial biogeochemical cycles and environmental biotechnology including sewage treatment, industrial/agricultural waste, biodegradation, bioremediation, microbial mining and biofuels. Also included in this subject are quality control techniques, quality management systems (ISO, GMP etc), HACCP, legislation, intellectual property and the financing, establishment and management of biotechnology companies. Industrial visits are an important component of this subject.

Typical availability

Autumn semester, City campus

91370 Semi-arid Ecology

6cp; block mode; 10-14 day field excursion to far western NSW in July every third year; availability: enrolment is restricted by the availability of space in vehicles, with preference given to third-year environmental science students
Requisite(s): 91110 Experimental Design and Sampling AND 91154 Ecology
Recommended studies: a thorough knowledge of basic ecology is a prerequisite for this subject

Many of the ecological processes and environmental issues associated with arid and semi-arid regions in Australia (indeed, around the world) can be found in New South Wales. This excursion-based subject takes us as far west as the border with South Australia and as far north as Queensland. We experience semi-arid woodland and mulga scrub, arid shrublands and grasslands, ephemeral floodplains, salt pans and dune country. A core theme of this subject is the fragility of a system typified by low and/or unpredictable rainfall, extreme temperatures, nutrient-poor and skeletal soils, and the adaptations of the associated flora and fauna.

This subject (the 'Great Western') is run every third year (in July session) by the UTS School of the Environment. It is a 14-day excursion in the semi-arid and arid regions of western New South Wales. This block subject is normally taken in the senior stages of the course. It is assumed that students have a thorough knowledge of basic ecology.

Typical availability

July session, City campus

This subject is offered once every three years, alternating with 91371 Forest and Mountain Ecology and 91163 Alpine and Lowland Ecology. It is next offered in July 2015.

Note(s)

Students wishing to enrol in this subject must email a request containing the following information to the School of the Environment administrative assistant:

- their year/level of study
- course enrolled in
- whether they have undertaken subjects 91371 or 91163.

91371 Forest and Mountain Ecology

6cp; block mode, 13-day field excursion to northern NSW; availability: enrolment is restricted by the availability of space in vehicles; preference is given to third-year environmental science students
Requisite(s): 91110 Experimental Design and Sampling AND 91154 Ecology
Recommended studies: a thorough knowledge of basic ecology

This is an excursion-based subject run by the School of the Environment at UTS. It comprises a 13-day field trip (the 'Great Northern') to the northern New South Wales forests and northwestern woodlands following a chain of hotspot volcanoes along the Great Dividing Range. This field trip alternates on a three-year rotation with 91163 Alpine and Lowland Ecology (the 'Great Southern') and 91370 Semi-arid Ecology (the 'Great Western').

The Great Dividing Range is Australia's most distinctive topological feature, running from the northernmost to southernmost points of the eastern edge of the continent. The range is the source of major ecological gradients longitudinally (along the range) and latitudinally (across the range). The field trip goes along the range from Sydney to the Queensland border, before crossing west over the range. The curriculum framework is the ecological change associated with these two gradients along and across the range. The core content focuses on the climatic and geological drivers of ecological processes characteristic of different regions along the chain of mountains formed by hotspot volcanoes. When following this mountain chain, students learn about the many different forest types, along with their associated fauna and aquatic systems, and observe how these change as they progress from cooler temperate to sub-tropical rainforests to open woodland systems. Students experience firsthand the environmental processes along these two gradients, where rainfall, or lack thereof, and soil properties are key to shaping species diversity and distribution.

Typical availability

December session, City campus

The mode of this subject is excursion-based.

91400 Human Anatomy and Physiology

6cp; 6hpw

This subject describes the anatomy (structure) and physiology (function) of the healthy human body. Lectures are complemented by a supportive practical/tutorial program. The content includes: homeostasis; the anatomical organisation of the body and anatomical terms; the structure and function of the blood, cardiovascular system, musculoskeletal system, endocrine system, nervous system, respiratory system, gastrointestinal system and urinary system; and human reproduction. Development of practical skills is a major part of the subject.

Typical availability

Spring semester, City campus

91401 Introductory Haematology and Immunology

6cp; 5hpw
Requisite(s): 91400 Human Anatomy and Physiology

This subject is designed to introduce the basic concepts of haematology and immunology. The cells of the blood, bone marrow and immune tissues are studied in detail with regard to their identification, morphology and function. The development of these cells (haematopoesis) and their role in haemostasis and immune function is investigated. Students are also introduced to haematological diseases and the significance of haematological changes in disease. The study of immune function is structured in such a way that it follows the course of an immune response, from initial non-specific reactions to the development of adaptive responses and immunological memory. Emphasis is given to the basic concepts that underlie the recognition of foreignness and the response to infection.

The practical sessions introduce students to the variety of haematological and immunological techniques used in pathology and research laboratories.

Typical availability

Spring semester, City campus

91402 Anatomical Pathology

6cp; 5hpw
Requisite(s): 91400 Human Anatomy and Physiology AND 91500 Histology
These requisites may not apply to students in certain courses. See access conditions.

This subject builds on 91500 Histology and provides a basic knowledge of disease processes, the body's responses to them, and the light microscopic appearance of diseased tissues; and general pathology. Students then move on to special pathology and examine the major organ systems, learning about organ specific diseases which affect these systems. Various histochemical methods already learned are used to demonstrate pathological tissue changes that occur during disease development. This is all integrated to present an understanding of disease, its histological appearance and the laboratory staining techniques used to investigate structural tissue changes that occur in disease states and aid histopathological diagnosis.

Typical availability

Spring semester, City campus

91403 Medical Imaging

6cp; 4hpw
Requisite(s): 68041 Physical Aspects of Nature OR 68101 Foundations of Physics OR 68037 Physical Modelling
These requisites may not apply to students in certain courses. See access conditions.

This subject provides advanced understanding of medical imaging technology and practice. It covers an examination of the role and effectiveness of clinical imaging, an overview of generic characteristics, and a detailed examination of specific imaging modalities: conventional x-rays, ultrasound, computed tomography, nuclear medicine, and magnetic resonance imaging. The subject includes lectures, seminars, practicals, workshops, and a visit to an imaging facility or guest lecture by an imaging specialist.

Typical availability

Autumn semester, City campus

91429 Physiological Bases of Human Movement

6cp

This subject examines the structure and function of the major systems of the body. It serves as an introduction to life processes in the healthy state and the physiological bases underpinning human movement. Areas of study include: anatomical organisation of the body, anatomical terms, organisation of the cell, osmosis, tissues, nervous system, cardiovascular system, respiratory system, digestive system and metabolism, renal system, and endocrine system.

Typical availability

Autumn semester, City campus

91500 Histology

6cp; 5hpw
Requisite(s): (91400 Human Anatomy and Physiology AND (65212 Chemistry 2 OR 65022 Chemistry 2A OR 65201 Chemistry 2C))

This subject teaches the micro-architecture of the human organs and tissues adding to the knowledge base established in the subject Anatomy and Physiology by both showing and describing mammalian tissue structure of all major systems of the human body at the light and electron microscopic levels. Students also learn about tissue fixation and processing for embedding into paraffin blocks for sectioning. They study the theory and practice of basic routine histological staining techniques, which assist and enhance different cellular components on cut tissue sections. These techniques along with microscopy skills and recognition of normal tissue histology comprise the practical component of this subject.

Typical availability

Autumn semester, City campus

91527 Pathophysiology and Pharmacology 3

6cp
Requisite(s): 91528 Health and Homeostasis
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Together with 91529 and 91530, this subject shares the aim of providing an overview of the pathophysiology and treatment of some commonly occurring disorders of the major body systems. This information is provided in the context of how the disorder affects normal/healthy structure and function and so reinforces prior study of basic anatomy and physiology in healthy individuals. The subject provides students with the capacity to apply pathophysiological knowledge and concepts to acute and chronic care patients in clinical settings. It also extends this framework to areas that are consequences of disease processes, such as fever, impaired wound healing, and inflammation. It also provides the underpinning clinical science of nursing practice in areas including infection control, medication and health promotion.

91528 Health and Homeostasis

6cp

This subject provides the underpinning anatomy and physiology for the subsequent pathophysiology and pharmacology subjects in the Bachelor of Nursing program. Through the guiding principle of homeostasis, this subject describes the contribution the different organ systems make to maintain a state of wellness. It provides points of reference with regard to the activity and structure of individual organs in the person judged to be well (e.g. heart rate, lung volumes and capacity, organ architecture).

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/b1AmOiTjOnM
- Academic video: www.youtu.be/PJSSKrjl6vg

91529 Pathophysiology and Pharmacology 1

6cp
Requisite(s): (91528 Health and Homeostasis OR ((48 Credit Points in a coursework Master's degree or Graduate Diploma OR 48 Credit Points in a Bachelor's degree or Graduate Certificate)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject provides an introduction to the science and medicine of cardiovascular, respiratory, nervous and endocrine systems (a convenient grouping for major diseases that confront an ageing population). The subject explores fundamental pathophysiology of these body systems and the pharmacology of drugs used in the treatment and management of disease. Throughout the subject, there is an integrated focus on body systems contrasting normal and abnormal and how disease states may be managed therapeutically. The subject concentrates on common major diseases of these body systems which facilitates a comprehensive study of the pathophysiology encountered in these disease states, as well as cementing an understanding of the normal physiology in these body systems including the process of ageing. This is complemented by the study of the treatment and management of these diseases.

- Neuro-endocrine pathophysiology and pharmacology: the pathophysiology of the alterations which occur within the nervous and endocrine systems (including cerebrovascular disorders, altered states of cognition, neurodegenerative disorders, demylenating diseases, motor disorders, spinal injuries, head trauma, the neurochemical imbalances in disorders of mental health, pain, diabetes mellitus, and disorders of hypo-, hyper- and ectopic hormone secretion); the underlying actions of pharmaceuticals used for these disorders.
- Cardiovascular pathophysiology and pharmacology: the pathophysiology of the alterations which occur with the cardiovascular system (including hypertension, atherosclerosis, heart failure) as well as the underlying actions of pharmaceuticals used for these disorders.
- Respiratory pathophysiology and pharmacology: the pathophysiology of the alterations which occur with the respiratory system (including asthma, infections of the upper and lower respiratory tract, COPD) as well as the underlying actions of pharmaceuticals used for these disorders.

91530 Pathophysiology and Pharmacology 2

6cp

Requisite(s): 91528 Health and Homeostasis

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject explores fundamental pathophysiology of the gastrointestinal, renal, musculoskeletal and haematological systems and the accompanying management and treatment. This information is provided in the context of how the pathophysiology affects healthy structure and function, and so reinforces basic anatomy and physiology previously studied. Throughout the subject, there is an integrated focus on body systems contrasting normal and abnormal and how disease state may be managed by pharmaceutical, surgical, medical and other strategies. The subject focuses on some major diseases which facilitate a comprehensive study of the pathophysiology encountered in these diseases.

91535 Microscopy and Cytometry

6cp

This subject provides an in-depth understanding of the theoretical principles of modern microscopy and flow cytometry and offers students the opportunity for hands-on use of state-of-the-art research microscopes and flow cytometers at UTS. The subject covers theoretical principles of light microscopy (bright-field and dark-field), fluorescence and epifluorescence, as well as deconvolution and confocal microscopy, and reviews issues in data handling techniques for achieving high resolution and live cell (real-time) imaging. Similarly, the cytometry component focuses on theoretical principles of contemporary multi-laser flow cytometry, including cytometer instrument design and set-up for multicolour flow cytometry. The subject reviews all aspects of sample preparation, safety, and staining techniques, as well as data handing and storage, and extensive data analysis for microscopy and flow cytometry. Practical sessions provide the opportunity to perform both a fixed and a live cell fluorescent microscopy experiment and allows for students to work with their own results data for complex computer analysis and presentation. Results data are then compiled for data analysis, presentation and discussion and finally for a written report presented in such a fashion that is deemed acceptable in a peer reviewed scientific journal.

Typical availability

Summer session, City campus

91536 Proteomics

6cp

Proteomics describes the study of the complete set of proteins (proteome) that is expressed at a given time in a cell, tissue, organ or organism. Modern proteomics involves the integration of a wide range of protein–analytical tools and information technologies to quickly and reliably identify qualitative and quantitative changes in proteins; for example, in the detection of altered protein expression associated with disease. This subject covers leading technologies for sample preparation, protein fractionations, separations and mass spectrometry for protein identification and characterisation.

In the theory component, students are taken through experimental design and data analysis, and the best practice sample preparation technologies for different sample types: micro-organisms, plants, mammalian tissue and fluids. The practical component covers sample preparation, complex mixture fractionation, protein separations and mass spectrometry. Students complete a small lab-based project which requires a publication-style report encompassing data analysis skills.

Typical availability

March session, City campus

August session, City campus

91537 Biotechnology Research Project A

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

91538 Biotechnology Research Project B

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

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91539 Biotechnology Research Project

24cp

In this subject students undertake a semester-long research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. This project is equivalent in level to those undertaken by honours and research master's students. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (10,000–20,000 words approx.) which includes an introduction, which sets the project in the context of the literature, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

91540 Climate Change and Ecological Modelling

6cp

Climate change and climate variability have significant impacts on natural and social systems of vegetation, water and industry. Modelling of environmental systems, including climate, provides means for prediction of climate regimes, evaluation of possible impacts of climatic change, and for optimisation of natural resources management in climate change adaptation and mitigation strategies.

The objectives of this subject are to develop students' knowledge of climate change science, techniques of data analysis and process simulation, which enhance students' ability to evaluate and use a range of models and model frameworks to understand and research specific environmental issues. The aim of the section on climate change is to introduce students to terminology and details of the climate system, and to provide an introduction to the details of climate science and climate modelling. The aim of the ecological modelling section is to introduce knowledge of ecological responses to climate change, the system approach of ecological modelling and basic mathematical modelling techniques suited to environmental processes. Students learn techniques to apply software of ecological models to simulate plant production and water use.

This subject introduces students to modelling of environmental systems and, in particular, the principles associated with developing and using climate and ecological models. The physical basis of the climate system is introduced and factors affecting climatic change are addressed. Students build their knowledge of the physical aspects of the climate system as well as associated biogeochemical cycles (carbon and nitrogen cycling) and ecohydrology. This subject links with other subjects, such as 91541 Monitoring Ecological Variability, which introduce methodologies of data acquisition.

Typical availability

March session, City campus

August session, City campus

91541 Monitoring Ecological Variability

6cp

With increasing threats and pressure being exerted on the environment and its land and freshwater resources, societal demands for more quantitative, timely and accurate information on the functioning and sustainability of ecosystems have become prominent. There is a recognised need for long-term monitoring studies and protocols for evaluating environmental change and for improved understanding and management of complex environmental systems. Monitoring is fundamental for detecting and evaluating changes in ecosystem structure and function, and for evaluating landscape response to disturbances such as climate change, natural disasters or certain land management practices.

This subject aims to introduce students to ecological monitoring for characterisation of landscape dynamics including: vegetation–climate studies with long-term time series data sets; radiation, carbon and water studies; the seasonality and phenology of ecosystems; environmental health; and biodiversity, fire and disturbance. This subject emphasises multi-scale monitoring programs from plot-level and tower-based measurements to remote sensing, and assesses existing national and international ecological monitoring programs. Topics and practicals cover global climate change, time series analysis (anomalies and trends), and mapping and monitoring of the temporal dynamics of landscapes and freshwater environments on local, regional and global scales.

Typical availability

Summer session, City campus

91542 Principles of Contaminated Site Assessment

6cp

For subject description, contact UTS: Science.

91543 Evaluation of Contaminant Effects

6cp

For subject description, contact UTS: Science.

91544 Environment Risk Assessment and Remediation

6cp

For subject description, contact UTS: Science.

91545 Environment Research Project A

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

Typical availability

Autumn semester, City campus

Spring semester, City campus

91546 Environment Research Project B

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

Typical availability

Spring semester, City campus

Summer session, City campus

91547 Environment Research Project

24cp

In this subject students undertake a semester-long research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. This project is equivalent in level to those undertaken by honours and research master's students. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (10,000–20,000 words approx.) which includes an introduction, which sets the project in the context of the literature, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

91548 Forensic Biology Research Project A

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

91549 Forensic Biology Research Project

24cp

In this subject students undertake a semester-long research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. This project is equivalent in level to those undertaken by honours and research master's students. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (10,000–20,000 words approx.) which includes an introduction, which sets the project in the context of the literature, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

91550 Forensic Biology Research Project B

12cp

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and, where appropriate, an industry or external co-supervisor, to formulating the scope of the research project, including planning the research work. The student is responsible for carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up their findings in a formal written report (7000–15,000 words approx.) which includes an introduction to the project, a description of the methods used, a presentation of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature. They may also be required to present a seminar to other students, staff and industry or external partners.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with faculty approval. Students should approach their Program Adviser and potential supervisors about project availability in the first instance. A project proposal, written in consultation with, and signed by the proposed supervisor and countersigned by the Program Adviser must be sent to the Master of Science Course Director for formal approval. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

91551 Ecohydrology and Climate Change

6cp

Ecohydrology is the study of the relationships between weather, climate, vegetation structure and vegetation function and water in terrestrial landscapes. In particular the study of ecohydrology requires an understanding of the physiology and ecophysiology of plants, micro-meteorology and hydrology. This subject expands students' understanding of plant physiology and ecophysiology and applies an ecohydrological perspective to understanding landscape behavior and function. It also explores how climate change may affect landscape ecohydrology across Australia. The subject examines groundwater dependent ecosystems, dryland salinity, the measurement and analyses of water and carbon fluxes above woodlands and forests and the impact of climate change on C and water fluxes of terrestrial biomes.

91604 Introductory Pharmacology and Microbiology

6cp; 4hpw; availability: Faculty of Health students only

This subject is divided into two components and provides the introductory principles governing drug action and microbial infections. Lectures are complemented by a tutorial/practical program that emphasises the clinical nature of the subject and develops lecture material using a variety of experimental and case study approaches.

Microbiology: This section of the subject covers the biology of the main groups of micro-organisms, concepts of normal flora, opportunistic pathogens, and microbial infections acquired via gastrointestinal, urinary, respiratory, and the genital tracts. Several key topics in the study of microbiology are also discussed including sources and modes of transmission of micro-organisms, factors determining microbial virulence, and prevention of hospital acquired infections. Additional topics include the epidemiology of infectious diseases, susceptible population groups, isolation procedures, and the collection and transport of microbiological specimens.

Pharmacology: This section of the subject introduces the concepts of potency, drug/receptor interactions, agonists and antagonists and provides some introductory concepts of pharmacokinetics. Other key topics include the site and mechanism of action of drugs affecting the cardiovascular system, anti-inflammatory drugs, analgesics, antimicrobials and drugs used in the treatment of asthma.

Typical availability

Spring semester, City campus

91610 Medical Classics and the History of Chinese Medicine

6cp

This subject studies the development of traditional Chinese medicine (TCM) in the west as well as its theoretical structure and influence on the holistic approach to healing and preventative therapy. The focus is on some of the more complex theories arising from the classical literature and the ethics, both ancient and modern, that are embedded in the practice of TCM. Traditional Chinese medicine is firmly based on a 2000-year-old body of classical medical writing, and some of the landmark texts are still relevant to today's practitioners. The interpretation of such ancient writings is the study of a lifetime. This subject introduces students to a detailed study of the major original writings on many aspects of Chinese herbal medicine and acupuncture theory, which they have studied in previous theory and practice subjects and may implement in clinical practice.

Typical availability

Spring semester, City campus

91611 Clinical Practicum (Therapy and Diagnosis)

6cp

Requisite(s): 99646c Clinic Level 5 and Acupuncture Microsystems

This is a pre-clinical subject designed to prepare the student to undertake the responsibilities of a practitioner while under clinical supervision in the UTS TCM (traditional Chinese medicine) clinic. All previous subject material related to herbal, organ and acupuncture channel diagnostics; tongue and pulse diagnostics; establishment of treatment principles; selection of acupuncture or herbal scripts with rationale; and examination of treatment outcomes is reviewed and assessed by means of tutorials, practical workshops and exams, as well as a final pre-clinical examination.

Typical availability

Spring semester, City campus

91613 Professional Issues in Traditional Chinese Medicine

6cp

This subject acquaints the student with the current requirements for the private practice of traditional Chinese medicine (TCM). The subject is split into two modules and features guest speakers in addition to the standard lectures. Module A focuses on current research, integration with Western medicine, legal and safety professional issues and examines the development of TCM within a worldwide framework. Module B delves into the principles and practice of running a business, its finances, recordkeeping, reporting, taxation obligations, etc. The subject also encourages students to individually pursue areas of personal interest and research, and to see themselves as part of the wider health care community.

Typical availability

Spring semester, City campus

91614 Evaluating TCM: Theory, Practice and Research 1

6cp

Requisite(s): 99647 Clinic Level 6

This subject provides the essential grounding of material necessary for progressing into Evaluating TCM: Theory, Practice and Research 2 (91615). Both subjects are designed to enable the student to develop a solid grasp of the research process in acupuncture, Chinese medicine and the health sciences. The subject also further develops learners' critical thinking skills and their ability to apply this to clinical practice environments and the relevant research literature. Student interest is engaged and encouraged towards an appreciation of the relevancy of and need for research into the health professions, clinical practice and acupuncture and Chinese medicine. Together, both subjects provide an important foundation for students considering further development of their critical thinking skills through formalised learning pathways in honours, masters (by research) or doctorate research programs. Equally, the subjects provide students with the knowledge, skills and capabilities to engage in evidence-based approaches and evaluations of their own clinical practice and inquiry-oriented approach to clinical assessment and evaluation.

Typical availability

Autumn semester, City campus

91615 Evaluating TCM: Theory, Practice and Research 2

6cp; 8hpw

Requisite(s): 91607 Research Methods 1 (Acupuncture) OR 91614 Evaluating TCM: Theory, Practice and Research 1

This subject builds on material provided in the requisite subject. It enables the student to have a solid grasp of the research process in acupuncture and the health sciences, thereby encouraging the ability to be a lifelong learner. As such, it is an important foundation for students undertaking postgraduate studies. The subject also further develops learners' critical thinking skills and their ability to apply this to clinical practice environments and the relevant research literature. Student interest is engaged and encouraged towards an appreciation of the relevancy of and need for research into the health professions, clinical practice and acupuncture and Chinese medicine. Together, this subject and its requisite subject provide an important foundation for students considering further development of their critical thinking skills through formalised learning pathways in honours, masters (by research) or doctorate research programs. Equally, the subjects provide students with the knowledge, skills and capabilities to engage in evidence-based approaches and evaluations of their own clinical practice and inquiry-oriented approach to clinical assessment and evaluation.

Typical availability

Spring semester, City campus

91703 Physiological Systems

6cp; 4hpw

Requisite(s): 91400 Human Anatomy and Physiology OR 91702 Medical Science 2

This subject extends the knowledge and understanding of cellular elements of the body and of certain body organ systems that were introduced in 91400 Human Anatomy and Physiology. It provides an understanding of cell membrane transport processes and how these principles apply to the body; the importance of ion channels generally in cell physiology and the application of ion channels to nanotechnology; the role of ion channels in the physiology of the cardiovascular system, in fluid regulation by the kidney and as sensory receptors in the transduction of different forms of energy in sense organs. The subject also covers ion channelopathies, e.g. cystic fibrosis and the use of therapeutic drugs by altering ion channel function. The subject encourages students to be active learners.

Typical availability

Autumn semester, City campus

91705 Medical Devices and Diagnostics

6cp; 4hpw

Requisite(s): (91400 Human Anatomy and Physiology OR 91702 Medical Science 2) AND (68041 Physical Aspects of Nature OR 68101 Foundations of Physics OR 68037 Physical Modelling)

These requisites may not apply to students in certain courses. See access conditions.

This subject provides an introduction to the principles of operation and use of typical devices encountered in medical practice. Specific emphasis is given to fundamental principles underpinning implantable devices including biomaterials, biocompatibility and device design. Transduction techniques (such as pressure, internal voltage signals, temperature, sound, fluid volumes) and light as applied in the measurement of blood pressure, cardiac output, ECG, body temperature, respiratory volumes and capacities, and blood oxygen saturation are discussed. Principles of active stimulation of various organs such as the heart, nervous tissue and muscle are also taught. An overview of the medical device regulatory framework, including clinical trials, is explored.

Typical availability

Spring semester, City campus

91706 Neuroscience

6cp; 5hpw

Requisite(s): ((27111 Mechanics of Human Motion AND 27180 Functional Kinesiology AND 91429 Physiological Bases of Human Movement) OR 91703 Physiological Systems)

This subject provides an advanced understanding of the physiological basis of the nervous system. It advances physiological subjects by providing an in-depth study of neuroscience. It covers physiology of excitable tissue and introductory neurochemistry; synaptic transmission and neurotransmitter systems; and anatomy and functions of the nervous system. The subject also provides an understanding of the sensory system (smell, taste and the brain); chemical control of the brain and behaviour; sleep, emotion, and memory systems and learning; and disease states such as schizophrenia and mental illness. Emphasis is placed on student participation as active learners, for example in presentation of seminars and tutorial group participation.

Typical availability

Autumn semester, City campus

91707 Pharmacology 1

6cp; 6hpw (average)

Requisite(s): (91703 Physiological Systems AND (91161 Cell Biology and Genetics OR 91313 Biomolecules: Structure and Function))

These requisites may not apply to students in certain courses. See access conditions.

This subject provides the introductory principles governing drug and xenobiotic action to be developed further in the subject Pharmacology 2. It is designed to foster a problem-solving approach to pharmacology with particular emphasis on applying molecular pharmacology concepts to pathophysiological problems. Major objectives are to develop the concepts of dose response relationships and the specificity of drug action. Topics covered include: therapeutic index and the concept of selective toxicity; chemical neurotransmitters, ion channels and receptors as determinants of drug action in the central and peripheral nervous systems; and clinical efficacy of the major pharmacology drug classes used in the treatment of pathophysiological processes involving the nervous system. Lectures are complemented by a tutorial / practical program which emphasises the clinical nature of the subject and develops lecture material using a variety of experimental, tutorial, and computer-simulation approaches.

Pharmacology is the biomedical discipline that is involved with studying the effects of drugs on living systems. Effects of drugs can be measured at the molecular level through to intact living organisms. It is a relatively new discipline that is closely related to physiology and biochemistry although other biological sciences, such as zoology,

pathology, microbiology, psychology, immunology, etc., are relevant to it. Conversely, pharmacology can often contribute significantly to these subjects. Chemical considerations are also involved in such aspects of pharmacology as the relationship between structure and activity and the physicochemical properties of drugs which affect their distribution in the body and their mode of action.

Until recently, the more therapeutic aspects of pharmacology have been the principal concern of pharmacologists, that is, drugs were primarily studied in the hope of obtaining knowledge that might lead to the better treatment of disease and to the better understanding of physiological processes. However, in recent years considerations of public health have become increasingly involved with pharmacological matters. This is in part due to the great increase in the use and abuse of drugs, both by self-medication and by prescriptions. Among other consequences, this has brought about a rise in the incidence of unwanted side-effects, especially when mixtures of drugs are used. It has also become increasingly apparent in recent times that the whole earth is becoming contaminated by chemicals such as pesticides, which are deliberately distributed, and also by waste products from numerous industrial processes. Some of these substances have lasting deleterious effects on biological processes, thus their study properly involves a branch of pharmacology known as toxicology. As well as the contaminations directly due to human activity, there are also toxic substances originating from other living organisms and these too are important aspects of toxicology. Toxicology is involved in studying these adverse effects of drugs and toxins on living systems. Within pharmacology there are also numerous subdisciplines (e.g. molecular pharmacology, chemotherapy, neuropharmacology, etc.).

It is important that there should be as many informed people as possible throughout the community, not just health and medical workers, if these problems are to be assessed accurately and dealt with efficiently. A study of pharmacology therefore is a desirable part of any general education and is especially relevant to those intending to pursue careers in teaching, law, local government and many scientific occupations. For this reason, this subject is directed not only towards training specialist pharmacologists but also aims at providing a broad education about drugs / chemicals that may affect living organisms. In order to do this, the fundamental principles of pharmacology must be fully understood before the applied aspects of drug action can be discussed.

Typical availability

Autumn semester, City campus

91708 Medical and Applied Physiology

6cp; 5hpw
Requisite(s): 91703 Physiological Systems

This subject builds on material provided in the prerequisite subject. It provides the student with an understanding of aspects of medical and applied physiology with emphasis on the underlying physiological mechanisms and their implications for medicine. The subject encourages students to evaluate the connections between human physiology and health outcome. The teaching material covers applied and medical physiology of areas such as brain function and disorders, medical imaging, cardiac and muscle activity, biofeedback, drugs and alcohol, temperature regulation, exercise physiology, hereditary disease, fatigue and eye and other related areas. A lab-based experiment conducted by students provides a practical view of physiological mechanisms and measurements.

Typical availability

Spring semester, City campus

91709 Pharmacology 2

6cp; 6hpw
Requisite(s): 91707 Pharmacology 1
These requisites may not apply to students in certain courses. See access conditions.

This subject develops and extends the principles governing drug and xenobiotic action covered in 91707 Pharmacology 1. It is designed to foster a problem-solving approach to pharmacology with particular emphasis on applying molecular pharmacology concepts to pathophysiological problems. The objectives are to further develop the concept of receptors as cellular determinants of drug and xenobiotic action and to develop the concepts of modulated receptors and ion channels in determining drug action. We examine selective toxicity in the treatment of microbial, viral and protozoal infections as well as toxicokinetic factors, defense mechanisms, cellular reactivity, receptors and binding sites as determinants of target organ toxicity. The clinical efficacy of the major pharmacology drug classes used in the treatment of cancer, affective and psychotic illnesses, cardiovascular disease, lipid disorders, blood disorders, diabetes, peptic ulcers, nausea and vomiting, and disorders of the respiratory and musculoskeletal systems are examined. In addition, the abuse of drugs is examined including tobacco, alcohol, CNS stimulants, psychotomimetics and the mechanisms underlying drug dependence, including treatment of drug overdose and antidotal therapy in the context of clinical toxicology. Lectures are complemented by a tutorial program which emphasises the clinical nature of the subject and develops lecture material using a variety of tutorial and case-study approaches.

Typical availability

Spring semester, City campus

91774 Master of Science Thesis

0cp

For subject description, refer to the Master of Science (Research) (C03029) (see page 542).

Typical availability

Autumn semester, City campus

Spring semester, City campus

92014 Role Transition and Professional Identity

6cp; lectures: 2hpw laboratories: 2hpw
Undergraduate

In this subject, students examine the registered nurse (RN) role and compare and contrast this role with other categories of health worker in varying contexts of practice. The subject places particular emphasis on addressing the developmental needs of enrolled nurses (EN) as they begin their educational transition to becoming a RN. Aspects explored include frameworks for clinical judgment and decision-making, intra and interprofessional health care and learning, political awareness and self-development and lifelong learning. Necessary components such as: developing a professional attitude in the RN role, knowledge about professional nursing standards, role definition; and quality and safety provide sound scaffolding to enable clinical leadership. The concept of reflection is explored and forms part of the assessment. This subject outlines the transition of nursing as a profession and explores the forces that have shaped, and continue to shape nursing practice as a collaborative professional endeavour. At the core of the subject is the view that a 'professional disposition' articulates with all subjects and that successful transition to a professional practitioner is optimised by this characteristic. Career planning and personal record keeping is introduced to facilitate this process.

Typical availability

Autumn semester, Kuring-gai campus

92015 Fundamentals of Mental Health Nursing (Graduate Entry)

6cp; lectures and laboratories (blended): 4hpw, 160 clinical hours
Requisite(s): 92017 Health Assessment and Nursing Therapeutics
There are also course requisites for this subject. See access conditions.
Undergraduate

Students explore a range of issues related to the promotion of health and the nursing care of people in need of mental health care, the impact for their families and carers, and the importance of mental health nursing in all health care settings including inpatient and community-based services. The knowledge, attitudes and skills required for contemporary mental health nursing practice - such as interpersonal skills to build and maintain therapeutic relationships, assessment processes, therapeutic interventions, development of partnerships with consumers in their recovery, inter-professional collaboration and reflective practice - are explored. Mental health nursing practice that places the consumer at the centre of all mental health services is a key feature of this subject.

Typical availability

Spring semester, Kuring-gai campus

92016 Workshops for Practice Readiness (Graduate Entry)

6cp; workshops: 6 weeks x 5hpw
Undergraduate

This subject focuses on a number of discrete, interdependent and foundational nursing issues that have been identified as particularly challenging and important to beginning practice and learning as a student nurse. These issues are explored through workshops which allows students to gain knowledge in each topic area and actively use this knowledge in the workshop situation to build meaning, understanding and connection through guided experiential immersion in inquiry-based activities. This subject is aimed at strengthening core literacies related to practice readiness which include: interpersonal skills, intrapersonal knowledge, quality and safety awareness, behavioural management skills; dealing with challenging behaviours such as anxiety, anger and grief, leadership, self awareness and self concept, and the assessment and management of withdrawal from alcohol and other drugs.

Typical availability

Spring semester, Kuring-gai campus

92017 Health Assessment and Nursing Therapeutics

6cp; 4hpw (blended), laboratories: 9hpw
Undergraduate

This subject focuses on assisting students to understand the role of the registered nurse and the way in which nursing care is planned and delivered in Australia. Students are introduced to nursing as a patient-centred therapeutic process and a skilled activity that aims to promote and maintain health in primary and acute care. Nursing is considered within a trans-disciplinary framework and emphasis is placed on comprehensive patient health assessments, promoting and maintaining health by encouraging and reinforcing positive health practices and preventing health breakdown through early detection and intervention. After the completion of this subject students have developed the knowledge and skills to identify patient needs, provide essential nursing care safely, and begun to understand actual and potential problems that can be experienced by patients. Students explore elective and emergency clinical presentations and propose and implement appropriate evidence-based interventions. Skills in prioritisation, effective verbal and written communication, clinical decision-making and an introduction to nursing leadership is incorporated. This subject facilitates a smooth transition into the program of study that follows.

Typical availability

Autumn semester, Kuring-gai campus

92018 Building Resilience in Mothers and Midwives

6cp
Postgraduate

This subject focuses on the concept of resilience and provides midwives with the knowledge and skills needed to promote emotional well-being in childbearing women as well as themselves and their colleagues. Resilience is the capacity to bounce back or respond to adversity. In this subject the student develops a greater appreciation of emotional/mental health issues affecting midwives, childbearing women and families, the impact of personal communication, and the impact of programs such as Mindfulness Based Stress Reduction and Mindfulness Based Cognitive Therapy. Students are provided with opportunities to personally experience a range of evidence-based strategies such as Mindfulness that have been demonstrated to positively affect well-being and contribute to personal resilience. Evidence demonstrating that the skills of meditation and compassion effectively enhance the care we can offer will be explored as powerful antidotes to compassion fatigue and burnout. The underlying neural basis of the effects of mindfulness will also be explored. Through an emerging and/or increasing awareness of mindful midwifery practice, students will develop a greater appreciation of how to create and nurture resilience in themselves and their colleagues and in families that have not yet been able to acquire it.

Typical availability

Autumn semester, City campus

92019 Contemporary Clinical Midwifery Practice

6cp; mixed mode and half-day workshops, supported by online learning
Postgraduate

This is a self-directed subject that provides students with an opportunity to undertake an in-depth exploration of a specific clinical practice topic. The subject requires students to expand their clinical and professional knowledge and extend and refine their practice. Learning experiences are directed to the provision of care, the clinical environment and services, professional responsibility, leadership, and collaboration and problem solving. Students work with the coordinator of the subject to choose a relevant practice issue, develop learning objectives and design a program of work that meets their individual learning needs.

Typical availability

Autumn semester, City campus

92020 Midwifery in Context

6cp; mixed mode and four workshop days, supported by online learning
Postgraduate

This subject seeks to engage students in a critical analysis of the historical and current maternity health care issues, in particular those that impact on midwifery globally. The subject introduces the student to the social, political, cultural and economic imperatives that drive maternity services. It critically examines these factors, exploring their impact on the role of the midwife within both the international and national context. In so doing the subject aims to shift students' awareness from the details of day-to-day work to the larger issues of professionalism, leadership, advocacy and the development of midwifery practice.

Typical availability

Autumn semester, City campus

92021 Perinatal Mental Health

6cp
Postgraduate

Perinatal mental health practice is based on a population health approach to enable mental health promotion activities and the early recognition of protective and risk factors that impact on women and their family's mental health during pregnancy and the first year after birth. Skills in perinatal mental health assessment are developed and refined. Students explore best practice approaches for the management of perinatal mental health and illness. Importantly students gain the skills to critically discuss community perceptions about perinatal mental health. Perinatal mental health is explored using understandings of cultural constructs.

Typical availability

Spring semester, City campus

92022 Improving Quality and Safety in Health Care

6cp; 4 days block

This subject covers the essential knowledge that health service practitioners and managers need concerning error management, and safety and quality improvement. It enables students to apply continuing practice improvement strategies to workplace and health service settings. Topics covered include the origins of error and risk; the management of error and risk from human factors and health systems perspectives; the elements of clinical governance; the relationship between clinical cultures, quality and adverse events; the monitoring, analysis and investigation of incidents from national, state and local perspectives; incident reporting systems and the processes used in Australian health care settings; and the legal, ethical, regulatory and professional requirements of safety and quality. Team-based, personal and interpersonal skills in open disclosure are addressed, as well as complaint management and the importance of patient and family engagement, and appropriate organisational communication following errors. International approaches to safety and quality in health care delivery are also discussed. An emphasis is placed on error reduction and meeting national standards within health services settings. The subject is delivered in a four-day block mode using a variety of teaching methods.

Access conditions are available in the individual subject descriptions in the online handbook.

92024 Medical Surgical Nursing (Graduate Entry)

6cp; lecture: 2hpw (blended), laboratory: 2hpw (blended), 160 clinical hours
Requisite(s): 92017c Health Assessment and Nursing Therapeutics
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject, students develop their understanding and application of nursing processes with increasing emphasis on effective critical reasoning and sound judgment. The focus of learning is on the nursing management of adults admitted to tertiary-care facilities with acute episodic medical-surgical conditions. Students analyse and apply their knowledge and problem-solving skills to clinical case scenarios based on commonly encountered medical-surgical problems, which includes further development of the scenarios introduced in 92017 Health Assessment and Nursing Therapeutics. Nursing competencies are reinforced and relevant nursing skills strengthened and extended including: vital signs and neurological observations, infection control, administration of parenteral medications, generic surgical nursing practice, complex wound care, pain assessment and management, fluid and electrolyte replacement, enteral nutrition and urinary catheterisation. Students are exposed to simulated and scenario-based emergency situations and are guided to develop appropriate evidence-based, patient-focused responses. Quality and safety in health care is introduced as a preparation for practice and all learning experiences focus on providing safe and effective care to individuals and families.

Typical availability

Autumn semester, Kuring-gai campus

92025 Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1)

6cp; lectures and workshops (blended): 4hpw, 80 clinical hours
Undergraduate

This subject begins by examining theories of psychology, health psychology, sociology and life transition as they relate to mental health and wellbeing. Concepts of stress, coping and adaptation are introduced and the influence of values, beliefs, attitudes and attributions on perceptions of health, illness and methods of bringing about changes in health behaviour are presented. Students explore the epidemiology of mental illness in NSW. A number of issues related to mental health nursing are considered from an registered nurse (RN) perspective including the nursing care of people in need of mental health care, the impact for their families and carers, the importance of mental health nursing in all health care settings including inpatient and community-based services, and the knowledge, attitudes and skills required for contemporary mental health practice. Mental health nursing practice that places the consumer at the centre of all mental health services is a key feature of this subject.

Typical availability

Spring semester, Kuring-gai campus

92050 Policy, Power and Politics in Health Care

6cp; intensive
Postgraduate

This subject covers the essential knowledge of the policy and political environment in which health services operate. Health services managers need to understand the political environment in which decisions are made, how health policies are formulated and enacted and how they are received. The subject covers the theoretical framework for studying policy and politics particularly in relation to government policy, the ways policies are formulated, the balance of power between different stakeholders in the development of health services policies and decisions, how the health and political systems manage issues and the influence of the stakeholders and the media in the management of health services issues.

Typical availability

Autumn semester, City campus

Note(s)

This subject was formerly called Power and Politics in Health Care.

92052 Master of Sport and Exercise Thesis

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

92054 Research and Statistics for Sport and Exercise

6cp
Postgraduate

This subject assumes a basic knowledge of the range of research methods used in sport and exercise and the ability to use statistical analysis packages. It covers two areas: conceptual and theoretical approaches to research and quantitative research methods. The first of these addresses the nature of research and its relationship to the development of knowledge and conceptualisation and design of research projects. The quantitative area involves the application of statistical methods and exploration of the more advanced capabilities of the PASW package.

Typical availability

Autumn semester, Kuring-gai campus

92055 Sport and Exercise Science Honours Dissertation 1

18cp

For subject description, contact UTS: Health.

92056 Sport and Exercise Science Honours Dissertation 2

24cp

For subject description, contact UTS: Health.

92057 Sport and Exercise Management Honours Dissertation 1

18cp

For subject description, contact UTS: Health.

92058 Sport and Exercise Management Honours Dissertation 2

24cp

For subject description, contact UTS: Health.

92227 Communication for the Complementary Therapist

6cp

This subject introduces students to the theories and processes of effective communication with patients and facilitates the development of interpersonal skills in the complementary therapist.

Particular focus is given to facilitating the development of essential interpersonal and helping skills that underpin the therapeutic relationship.

Typical availability

Autumn semester, City campus

92265 Midwifery Honours Dissertation 1

18cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

92266 Midwifery Honours Dissertation 2

18cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

92271 Foundations of Midwifery Practice

6cp; 14 weeks, 3hpw theoretical
Undergraduate

This subject introduces students to childbearing as a normal, but significant life event for a woman and her family. Students apply their developing understanding of anatomy and physiology to childbearing. Through the use of simulated environments, students develop communication skills to enable them to work effectively with women through the childbearing period. The subject focuses on the physical and emotional changes during pregnancy, labour and birth and the postnatal period and their potential effects on women's experience of childbearing.

Typical availability

Autumn semester, City campus

92272 Anatomy and Physiology: Pregnancy and Childbirth

6cp; 14 weeks, 5hpw theoretical
Undergraduate

Students study anatomy and physiology with particular emphasis on pregnancy, labour and birth, the puerperium, and the foetus and neonate. The human biological structure and function are studied and students begin to demonstrate links with how midwives use this knowledge in practice. A human-systems-based approach is used.

Typical availability

Autumn semester, City campus

92280 Complex Newborn Care

6cp; 10 weeks, 3hpw theoretical, 30 clinical hours, 25 hours follow through experience
Requisite(s): 92630 Midwifery Practice 2: Supporting Women
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

The care of the neonate who experiences deviations from normal health is the focus of this subject. Health problems associated with variations in gestational age and intrauterine growth, difficulties with feeding, adaptation to extrauterine life and a range of body system anomalies form part of the content covered. Students are introduced to the concept of family-centred care in the neonatal nursery and are required to formulate an in-depth understanding of the impact on the woman and her family of having a baby with complex needs. The importance of the midwives' role in supporting the woman through this experience is explored. The subject also has a clinical component.

92282 Australian Health Care System

6cp; 4 weeks, 3hpw theoretical
Undergraduate

This subject provides an opportunity for students to study the structure of the Australian health care system with particular focus on the provision of services in rural and remote settings. The role of both federal and state governments in the provision of health services is examined along with the opportunity to critique financing and legislation in both the public and private sectors. The place of government, policy development and legislation in defining practice and policy is also studied as well as the mechanisms and results of legislative change. Challenges in providing health care in metropolitan, regional and remote settings are explored with particular emphasis on maternity services.

Typical availability

Autumn semester, City campus

92283 Challenges in Midwifery Practice

6cp; 3hpw (workshop)
Undergraduate

This subject examines the role of the midwife when working with women and families who have social or emotional complexities. Challenging issues, such as the role of the midwife in complying with child protection and other relevant legislation, are included. Students also explore the complexities for women who have utilised artificial reproductive technologies. The subject builds on students' understanding of the community resources available to women who require additional support. Legal, ethical and professional issues regarding the challenges in midwifery care are covered.

92284 Rural Midwifery Practice

6cp; 10 weeks, 2hpw theoretical, 80 clinical hours, 50 hours follow through experience
Requisite(s): 92281 Complex Midwifery Practice AND 92280 Complex Newborn Care
Undergraduate

This subject builds on learning from the students' experience in the previous practice subjects. Students have learning experiences in each of the major areas of midwifery care and continue to form 'follow through' relationships with childbearing women. The subject provides a platform for the students to consider possibilities for working in rural and remote Australia with regard to their role and scope of practice and the potential further education they might need to work outside these parameters.

92285 Collaborative Midwifery Practice

6cp; 4 weeks, 3hpw theoretical
Undergraduate

This subject examines the place of the midwife in the community of practitioners. In particular, it examines the relationships of midwives with medical practitioners as collaborative partners in the care of childbearing women. It addresses issues of midwifery practice within institutions and within the community as a primary health care initiative. It challenges the rhetoric of the place of women as partners in care and the realities of women experiencing midwifery care.

92286 International Perspectives in Midwifery

6cp; 10 weeks, 2hpw theoretical
Undergraduate

As students near the end of their course, this subject enables them to identify their role in Australia and in the wider community of midwifery. The implications and responsibilities that they are about to face as licensed practitioners is explored in relation to contemporary issues in the regulation of midwives. An exploration and critique of the ideologies associated with Western constructs of childbirth and maternity care allow for a new dimension in the students' learning. It examines the role of international bodies such as the World Health Organization in the maintenance of women's health and health care and the International Confederation of Midwives in the practice and regulation of midwifery.

92287 Midwifery Caseload Practice

6cp; 4wks, 3hpw workshops/theoretical, 125 clinical hrs, 50hrs follow-through experience
Requisite(s): 120 credit points of completed study in C10225 Bachelor of Midwifery
Undergraduate

This subject enables students to build on their learning in previous practice subjects so that they have the skills, knowledge and confidence to provide midwifery continuity of care. The subject enables opportunities to attain competence in all areas of midwifery practice including: keeping birth normal, electronic fetal monitoring, obstetric emergencies, neonatal resuscitation, perineal suturing and supporting women experiencing breastfeeding difficulties. Students continue to undertake their 'follow-through' continuity experiences. In particular, they work in a midwifery group practice model alongside midwives who work in caseload practice.

92288 Focused Midwifery Practice

6cp; 5 theoretical hours, 125 clinical hours, 50 hours follow through experience
Requisite(s): 120 credit points of completed study in C10225 Bachelor of Midwifery
Undergraduate

In this subject it is expected that the students complete the practice requirements for registration set down by the Nurses and Midwives Board NSW. Students develop their ability to make midwifery judgments, to carry out the midwifery care that results logically from the judgments made and to evaluate the care given. Students gain competence in applying the principles of evidence-based midwifery to their practice and are able to critique their work.

92291 Nursing Honours Dissertation 1

18cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

92292 Nursing Honours Dissertation 2

18cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

92295 Advanced Health Services Planning

6cp

This subject develops advanced skills and competencies of health service planners and managers through case studies and workshops, including input from experienced health service planners. This subject requires students to explore in depth complex health services planning issues. The subject is based around real-life planning assignments developed by senior health service planners. The case studies incorporate the issues faced in practice with examples of planning assignments involving divided communities, pressure from health professional advocacy groups, competing forces within the political process, and lack of complete data, as well as other examples.

Typical availability

Spring semester, City campus

92296 Epidemiology and Population Health

6cp

This subject covers the essential knowledge that health service managers and planners need concerning epidemiology and population health. It enables students to apply analytical strategies of epidemiology to the health service environment, and to assess, interpret and critically appraise the quality of evidence of health service studies. Topics covered include the social determinants of disease, the health of the Australian population, epidemiological methods and concepts, understanding epidemiological evidence and its limitations, using population health data and how findings are used to support health services planning, and management decisions. An emphasis is placed on linking epidemiological theory population health with application in health services settings and decision-making. The subject is delivered in a four-day block mode using a variety of teaching methods.

92297 Health Systems and Change

6cp

Health services in the modern world involve larges systems constantly changing. Health service managers and planners require competencies in understanding systems in the health services, implementing change and project management. This subject develops students' knowledge and skills in understanding and managing health systems around information technology, health service processes and capital development. It also develops students' skills in project management, service implementation and improvement, systems redesign and implementing change.

The method of teaching includes case studies and practical workshops.

Students are expected to bring workplace examples of systems redesign projects for analysis. The subject is taught online and with a limited number of face-to-face workshops.

Typical availability

Autumn semester, City campus

92312 Integrated Nursing Practice

6cp; workshop: 4hpw (blended), 160 clinical hours
Requisite(s): (92330 Complex Nursing Care: Medical Surgical AND 92316 Complex Nursing Care: Mental Health) AND 92331c Integrated Nursing Concepts
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

The subject consolidates and develops clinical practice undertaken over the course to prepare students for entry to the nursing workforce as a member of the health care team. The central focus of the subject is delivery and coordination of care for chronic and complex conditions, in order to practise as a beginning registered nurse. Students undertake an extended and continuous clinical placement experience that reinforces clinical learning integral to nursing practice and provides an environment for consolidating nursing practice highlighting leadership, management and workplace culture. The clinical placement experience is complemented by experiential workshops focusing on multidimensional simulated cases involving common chronic and complex conditions, and multiple morbidities. The workshops are conducted to develop students' abilities, knowledge, techniques and skills for integrated care across a diverse range of different patient care situations. Students undertake inquiry-based reflection and clinical judgment to plan, initiate, and evaluate care.

Typical availability

Spring semester, City campus

92313 Assessment and Therapeutics in Health Care 1

6cp; lectures: 2hpw (blended), laboratories: 3hpw, 40 clinical hours
Undergraduate

Students are introduced to nursing as a therapeutic process and skilled activity that aims to promote and maintain health through collaborative partnerships with patients at a primary care level. Health is viewed as a dynamic phenomenon which varies as the individual transitions through a cyclical continuum of health and wellness, disease and illness. Determinants of health encompass a range of factors including lifestyle, disability and chronic health conditions. Within a trans-disciplinary team, the nurse undertakes comprehensive patient health assessments, promoting and maintaining health by encouraging and reinforcing positive health practices and preventing health breakdown through early detection and intervention. The nurse supports clients to be active participants in managing their health, facilitating health literacy through the provision of health information and health education. The nurse provides person-centred care that empowers patients to achieve their optimum health outcomes by facilitating improvement and adaptation within the context of their individual social cultural environment, needs, abilities and resources.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/xNUZP1ZF6Mk
- Academic video: www.youtu.be/Mfzz_ww4PzI

92314 Assessment and Therapeutics in Health Care 2

6cp; lectures: 2hpw (blended), laboratories: 3hpw, 80 clinical hours
Undergraduate

In this subject students explore an individual's response to disease and illness. Integral to this is recognition of each individual's unique response to episodes of disease and illness, based upon multifactorial determinants including the disease process, pre-existing co-morbidities, therapeutic interventions and patient factors. Students are encouraged to provide a holistic approach to facilitating the patient's transition to recovery, rehabilitation or adaptation including recognition of the psychosocial dimensions of the patient and their relationship to the wider society. This incorporates comprehensive assessment and nursing interventions that support and assist the

whole person in the context of acute care nursing. Elective and emergency clinical presentations and appropriate intervention based on the urgency of the situation are investigated. Skills in prioritisation, effective verbal and written communication and clinical decision-making are incorporated.

Typical availability

Spring semester, City campus

Spring semester, Kuring-gai campus

92315 Nursing Care of the Older Person

6cp; Standard: lectures: 2hpw (1hr face-to-face, 1hr blended learning); laboratory: 2hpw, 80 clinical hours; Summer (GE and EN only): lectures: 4hpw (2hr face-to-face, 2hr blended learning); laboratory: 6hpw, 80 clinical hours

Requisite(s): (91529 Pathophysiology and Pharmacology 1 OR 92024 Medical Surgical Nursing (Graduate Entry))) OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate

In this subject students explore the foundational principles and practice of person-centred nursing care of the older person in a variety of health care contexts. Students have the opportunity to explore the normal ageing process and the diseases and dysfunctions that can occur in older age. The provision of quality care to the older person with multiple physical, social and psychological co-morbidities is emphasised. Students gain skills in undertaking comprehensive social histories and health assessments of older persons and gain an understanding of interdisciplinary approaches to older person care.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92316 Complex Nursing Care: Mental Health

6cp; lecture: 2hpw (blended), laboratory/workshops: 2hpw (blended), 80 clinical hours

Requisite(s): 92323 Fundamentals of Mental Health Nursing OR 92015 Fundamentals of Mental Health Nursing (Graduate Entry) OR 92025 Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1) OR 92322 Medical Surgical Nursing

These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

Undergraduate

In this subject students continue the exploration of approaches to nursing people with mental health challenges into different mental health care contexts, focusing more on diverse and complex care situations. The subject takes as its organiser two axes: an intervention focus and a focus on special populations for consumers and families on their recovery journey. The interventions that provide a focus in the subject are: a solid grounding in counselling skills cognitive behavioural interventions; group processes and group skills; therapeutic interactions with voice hearers; working with people with a range of problems and disorders: sound techniques in aggression management; and an understanding of the place of mental health promotion strategies. The special populations of interest in this subject include: those with high prevalence disorders such as anxiety, depression, and stress; people experiencing alcohol and other drug use disorders; dual diagnosis; conditions co-morbidity with mental illnesses and treatments; those with eating disorders; ethnically, culturally and linguistically diverse populations; age-specific populations; and Aboriginal and Torres Strait Islander populations.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

92317 Contemporary Indigenous Health and Wellbeing

6cp; Standard: lectures: 2hpw (blended) x 10 weeks, tutorials: 2hpw x 10 weeks; Summer (GE and EN only): lectures: 4hpw; laboratory: 6hpw (blended)

Undergraduate

This subject contributes to the overall aims of the course by familiarising students with the current health status of Aboriginal and Torres Strait Islander people in Australia and also increasing their understanding of the concept of cultural safety which can then be applied to practice. Nurses have a major role to play in improving the health of Aboriginal and Torres Strait Islander people through the contribution they can make in primary health and acute care. This is achieved by exploring the relationship between Australia's history of colonisation, relevant social and healthcare policy, and Aboriginal and Torres Strait Islander peoples' health care issues. It includes an exploration of the role of the nurse and the social and cultural implications of engagement with the healthcare system for the Aboriginal and Torres Strait Islander community. The subject aims to support the student to develop a greater understanding of the need to provide care that is culturally safe, competent and consistent with the codes of professional conduct in Australia.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

92318 Evidence for Nursing

6cp; lecture: 2hpw (blended), tutorial: 2hpw (blended)

Undergraduate

This subject develops skills in accessing and appraising the evidence upon which to base nursing practice. This subject builds on student's understandings of the utility of published practice guidelines. Focus is on selection and appraisal of published primary research studies and applying the evidence to selected clinical situations. The subject focuses mainly on the appraisal of research using quantitative data analysis and the determination of indicators of clinical effectiveness. The appraisal of systematic reviews is also introduced. Popular health claims are evaluated as a method of understanding how the indicators of clinical effectiveness are used.

Typical availability

Spring semester, City campus

Spring semester, Kuring-gai campus

92319 Family and Children's Nursing

6cp; lecture: 2hpw (blended), laboratory/workshop: 2hpw, 80 clinical hours

Requisite(s): (92322 Medical Surgical Nursing OR 92024 Medical Surgical Nursing (Graduate Entry) OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))

These requisites may not apply to students in certain courses. See access conditions.

Undergraduate

This subject contributes to the student's understanding of families and aspects of family life in contemporary Australian society. Health promotion and primary health care within a family context, family formation and structure, as well as cross-cultural understandings of the family are highlighted. This subject explores nursing issues related to the child bearing family, which include an examination of the family in crisis, parenting styles and the impact of development disability. Key acute and chronic health issues in children and adolescents are a major focus of this subject and child protection, child abuse and neglect, and guardianship issues are covered in the context of children at risk. This subject enables students to develop the personal, professional and intellectual attributes, along with the technical knowledge, required to work with children and families.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92320 Health and Society

6cp; lecture: 2hpw (blended), tutorial: 2hpw (blended)
Undergraduate

The philosophy and expression of primary health care, health promotion and community development is the basis for therapeutic nursing practice in the community. Health promotion and primary health care as defined by the World Health Organization form the framework for exploring the principles and practice of community health nursing and the dynamic and diverse nature of the community. The influence of power and politics on health care are explored within this framework as are the implications of a culturally diverse society.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

92322 Medical Surgical Nursing

6cp; lecture: 2hpw (blended), laboratory: 2hpw (blended), 80 clinical hours
Requisite(s): 92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Students develop their understanding and application of nursing processes with increasing emphasis on effective critical reasoning and sound judgment. The focus of learning is on the nursing management of adults admitted to tertiary-care facilities with acute episodic medical-surgical conditions. Students analyse and apply their knowledge and problem solving skills to clinical case scenarios based on commonly encountered medical-surgical problems. Nursing competencies achieved in Year 1 of the course are reinforced and relevant nursing skills strengthened and extended including: vital signs and neurological observations, infection control, administration of parenteral medications, generic surgical nursing practice, complex wound care, pain assessment and management, and fluid and electrolyte replacement. Students are exposed to simulated and scenario-based emergency situations and are guided to develop appropriate evidence-based, patient-focused responses. All learning experiences focus on providing safe and effective care to individuals and families.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92323 Fundamentals of Mental Health Nursing

6cp; lectures/workshops: 4hpw (blended), 80 clinical hours
Requisite(s): 92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2
Undergraduate

Students explore a range of issues related to the promotion of health and the nursing care of people in need of mental health care, the impact for their families and carers, and the importance of mental health nursing in all health care settings including inpatient and community-based services. The knowledge, attitudes and skills required for contemporary mental health nursing practice, such as interpersonal skills to build and maintain therapeutic relationships, assessment processes, therapeutic interventions, development of partnerships with consumers in their recovery, inter-professional collaboration and reflective practice are explored. Mental health nursing practice that places the consumer at the centre of all mental health services is a key feature of this subject.

Typical availability

Autumn semester, City campus

Spring semester, City campus

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92324 Professional Identity

6cp; lecture: 2hpw (blended), tutorials: 2hpw (blended)
Undergraduate

Students are introduced to what it means to be a professional in contemporary health care practice. This subject focuses attention on learning about the essential components of professional conduct. Necessary components such as: the right professional attitude, knowledge about professional nursing standards and the ability to establish a work ethic that provides sound scaffolding to enable clinical leadership. Students are encouraged to appreciate their strengths as individuals helping others and how to work towards confidence in using these and learned skills in their everyday nursing experiences. It is important that students become knowledgeable in the standards required for legal and ethical practice and that each student is equipped to begin to use these standards when working with colleagues and patients. The concept of reflection is explored during the semester and forms part of the assessment. Students build on their understanding of social equity in order to make sound and clear judgments. This subject outlines the transition of nursing as a profession and explores the forces that have shaped, and continue to shape nursing practice as a collaborative professional endeavour. At the core of the subject is the view that a professional disposition articulates with all subjects and that successful transition to a professional practitioner is optimised by starting the process early. Career planning and personal record keeping is introduced to facilitate this process.

Typical availability

Spring semester, City campus

Spring semester, Kuring-gai campus

92325 Professionalism in Context

6cp; 1hpw (lecture), 1hpw (independent learning), 2hpw (tutorial; blended)
Requisite(s): 92014 Role Transition and Professional Identity OR 92017 Health Assessment and Nursing Therapeutics OR 92324 Professional Identity
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject assists students to prepare for their professional role and explore the attributes required to take on clinical leadership and team work responsibilities in health care. Students explore critical issues that impact on nursing practice, with an emphasis on the effects that power, policy and professional relationships have on health care quality and future directions for nursing in local and international health care contexts. Topics are introduced that reflect current health care challenges and opportunities for nursing to make a positive difference to health service delivery. Policy reports are explored enabling students to incorporate them into existing ethical and legal frameworks thereby increasing their ability to make considered clinical judgments. Professional resources that facilitate successful transition to the registered nurse role are introduced.

Typical availability

Spring semester

92326 Understanding the Person: Life Transitions

6cp; lecture: 2hpw (blended), tutorial: 2hpw (blended)
Undergraduate

Students focus on the development of the person and their experiences throughout the lifespan. Health experiences and related behaviours are examined using theories and models from health psychology and sociology. Concepts of stress, coping and adaptation are introduced and the influences of values, beliefs, attitudes and attributions on perceptions of health, illness and health care are examined. The impact of lifestyle behaviours and choices on health and methods of bringing about changes in health behaviours are explored. The sequence of ages and stages as well as the milestones of human growth and development in children and adolescents is introduced. An understanding of these sequences and milestones provides the nurse with the ability to compare the developing child/adolescent to normal parameters, which is foundational to appropriate care. Relevant psychosocial assessments and nursing interventions are introduced and applied.

Typical availability

Autumn semester, City campus,

Autumn semester, Kuring-gai campus

92327 Workshops for Practice Readiness 1

6cp; workshops: 5 weeks x 5hpw
Undergraduate

This subject focuses on a number of discrete, interdependent and foundational nursing issues that have been identified as particularly challenging and important to beginning practice and learning as a student nurse. These issues are explored through workshops which allow students to gain knowledge in each topic area and actively use this knowledge in the workshop situation to build meaning, understanding and connection through guided immersion in experiential inquiry-based activities. This subject is aimed at strengthening core literacies related to practice readiness which include: interpersonal skills, intrapersonal knowledge, cognitive frameworks, and quality and safety in the workplace.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

92328 Workshops for Practice Readiness 2

6cp; workshops: 5 weeks x 5hpw

This subject focuses on a number of discrete, interdependent and foundational nursing issues that have been identified as particularly challenging and important to beginning practice and learning as a student nurse. These issues are explored through workshops that allow students to gain knowledge in each topic area and actively use this knowledge in the workshop situation to build meaning, understanding and connection through guided experiential immersion in inquiry-based activities. This subject is aimed at strengthening core literacies related to practice readiness, including: interpersonal skills, intrapersonal knowledge, behavioural management skills; dealing with challenging behaviours such as anxiety, anger and grief; and the assessment and management of withdrawal from alcohol and other drugs.

Typical availability

Spring semester, City campus

Spring semester, Kuring-gai campus

92329 Accountability in Nursing Practice

6cp; lecture: 2hpw (blended), tutorial: 2hpw (blended)
Requisite(s): 92014 Role Transition and Professional Identity OR 92017 Health Assessment and Nursing Therapeutics OR 92324 Professional Identity
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject builds on the discussion of professional identity by focusing on how the ethical and legal texture of the practice settings of registered nurses engages and challenges their professional status. This focus is mediated by provision of educational opportunities which enable students to reflectively incorporate an informed understanding of accountability in nursing practice into their modes of perception, thought, feeling and response, and thus actively further their growth into the role of a registered nurse. Students are encouraged to appreciate that clinical capability and leadership cannot be accomplished without an understanding of the full range of accountability in practice. This subject requires student involvement to be of a kind that further develops their critical and analytical abilities, their competence with the variety of literacies required of professional practitioners, and their skill in the appropriate expression and communication of ideas.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

92330 Complex Nursing Care: Medical Surgical

6cp; lecture: 2hpw (blended), laboratory: 2hpw (blended), 80 clinical hours
Requisite(s): 92322 Medical Surgical Nursing OR 92024 Medical Surgical Nursing (Graduate Entry)
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject extends the student's abilities and skills to practice in more complex medicalsurgical contexts. It provides students with an opportunity to extend their ability to undertake increasingly complex nursing activities in a range of care settings. The importance of comprehensive health assessment is particularly emphasised in this subject. Well targeted nursing interventions, appropriately planned nursing care and the application of best evidence to practice is also considered. Particular attention is given to advanced complex wound assessment and care and the assessment and management of the deteriorating patient. At all times during this subject nursing practice is considered within a multidisciplinary framework. Students have the opportunity to reflect on their practice and determine self-identified learning needs appropriate to subject focus.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

92331 Integrated Nursing Concepts

6cp; laboratories/workshops: 4hpw (blended)
Requisite(s): 92330 Complex Nursing Care: Medical Surgical AND 92316 Complex Nursing Care: Mental Health
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject contributes to the theoretical exploration of chronic and complex nursing practice. Considering the patient illness experience, students are encouraged to interrogate the range of therapeutic interventions, the impact of clinical guidelines and policies, and professional team member's contribution to the delivery of chronic and complex care. This exploration extends across the trajectory of care and contexts of care delivery. Evaluation of care including aspects of quality, safety and risk, and patient satisfaction are explored. Students are required to demonstrate synthesis of multiple levels of evidence when formulating nursing practice. Case scenarios congruent with clinical placement experience and coronial evidence are utilised.

Typical availability

Spring semester, City campus

Spring semester, Kuring-gai campus

92332 Introduction to Specialty Practice: Community Health Nursing

6cp; lectures/tutorials: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

Community health nursing is a synthesis of nursing practice, within the context of public health and primary health care. Community nursing is founded on a social view of health, and upholds the values of access, equity and self-determination. The nature of community health nursing is comprehensive and directed towards the individual, families and the community at large. Community health nurses empower people to understand and respond effectively to those areas having a negative impact on their health and wellbeing by assisting people with accessing information, resources and services appropriate to their needs. Community health nurses assist people in the local community to maximise their health potential and wellbeing through; health assessment, counselling, screening, health promotion/education and community development.

Typical availability

Spring semester, Kuring-gai campus

92333 Introduction to Specialty Practice: Critical Care Nursing

6cp; lectures/laboratories: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This clinical elective is designed to enable students to gain theoretical knowledge to support clinical nursing practice in the critical care setting, i.e. intensive care, emergency and high dependency units. Through this experience, students have the opportunity to further develop their expertise in patient assessment, complex nursing skills and clinical decision-making, which offers invaluable support for future practice in any area of nursing.

Typical availability

Spring semester, Kuring-gai campus

92334 Introduction to Specialty Practice: Family and Child Health Nursing

6cp; workshops/seminars: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject students build on foundational knowledge of child-rearing families in contemporary Australian society gained from 92326 Understanding the Person: Life Transitions and 92319 Family and Children's Nursing. Students considering a nursing career caring for well children and families can explore in greater depth psychosocial and health issues in family life, parenting and child rearing, nursing care of the infant / child and social and emotional wellbeing in infancy and early childhood. A primary health care and health promotion perspective is used throughout.

Typical availability

Spring semester, Kuring-gai campus

92335 Introduction to Specialty Practice: Mental Health Nursing

6cp; workshops/seminars: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

Mental health has traditionally developed from a strong custodial model of care, dominated by a biomedical approach to treatment and management. Contemporary mental health nursing practice embraces a more holistic approach to care. This requires the nurse to examine and focus on a range of approaches and inter-professional models of care to ensure that consumers have the best chance in their recovery journeys. Contemporary mental health care must acknowledge the many forces that exist in society that impact on and shape the delivery of care. In this subject students have the opportunity to explore and examine a diverse variety of issues related to mental health with the opportunity to test the theoretical claims of this subject in a range of clinical settings.

Typical availability

Spring semester, Kuring-gai campus

92336 Introduction to Specialty Practice: Palliative Care

6cp; workshops/seminars: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject looks at the history and development of palliative care as well as the structure and organisation of palliative care nursing services in Australia. Special attention is given to the psychosocial-spiritual care and symptom management of individuals living with a terminal condition. Through exploring the goals and principles that underpin the palliative care philosophy, students are able to strengthen and refine their nursing knowledge and skills in the provision of care to this group of individuals and families.

Typical availability

Spring semester, Kuring-gai campus

92337 Introduction to Specialty Practice: Women's Health

6cp; workshops/seminars: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

Women's health has traditionally been examined from a gynocentric or medical perspective as women have been acknowledged primarily for and only in terms of their reproductive function. However, issues surrounding women's health are broader than this and should be studied in the context of women's place in a patriarchal society at local, national and global levels. In this subject students have the opportunity to explore issues related to women's health from the model of social health and have the opportunity to test the theoretical claims of this subject in various clinical settings.

Typical availability

Spring semester, Kuring-gai campus

92338 Introduction to Specialty Practice: Australian Indigenous Health Care

6cp
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Health.

92339 Introduction to Specialty Practice: Aged Care Nursing

6cp; workshops/seminars: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

Caring for an older person is a complex and yet fulfilling area of clinical expertise. The imminent rapidly ageing population brings a plethora of challenges and demands which this subject aims to further explore. Aged care nursing is designed to promote specialty practice for students in caring for the complex needs of older persons in the community and acute care settings. The framework of the subject is to develop complex skill profiles for supporting the needs of a

deteriorating older person. Based on strong theoretical foundations, students have the opportunity to participate in a variety of simulation activities.

Typical availability

Spring semester, Kuring-gai campus

92340 Introduction to Specialty Practice: Paediatric Nursing

6cp; workshops/seminars: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This subject has been designed to enable students to gain knowledge and clinical nursing practice in an area of interest to them. Through this experience, students have the opportunity to develop their expertise in paediatric nursing and to understand the experience of illness and hospitalisation from the perspective of the child. This clinical experience extends the paediatric knowledge and experience of children's nursing covered previously, and gives students the opportunity to determine their preference for the specialty of paediatric nursing. It also has the potential to assist them in their quest for future employment.

Typical availability

Spring semester, Kuring-gai campus

92341 Introduction to Specialty Practice: Perioperative Nursing

6cp; lectures/laboratories: 4hpw (blended), 80 clinical hours
Requisite(s): (92014 Role Transition and Professional Identity OR 92014 Role Transition and Professional Identity OR ((92313 Assessment and Therapeutics in Health Care 1 OR 92314 Assessment and Therapeutics in Health Care 2)))
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This clinical elective subject is designed to introduce and further student's knowledge and understanding of the nursing management of adults and/or children undergoing surgery, including those from culturally and linguistically diverse backgrounds. This subject facilitates integration between theory and practice in this specialty area of nursing. It enables students to work within a highly structured and developed area of complex health management as members of high functioning interdisciplinary perioperative teams. It also provides students with the opportunity to demonstrate technical competence at a beginning level in the application of safe, effective and efficient use of technology and resources in perioperative nursing practice.

Typical availability

Spring semester, Kuring-gai campus

92511 Structural Anatomy

6cp

For further details, contact UTS: Health.

92512 Biomechanics of Human Motion

6cp

For further details, contact UTS: Health.

92521 Functional Anatomy

6cp
Requisite(s): 92511 Structural Anatomy
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92523 Strength and Conditioning

6cp

For further details, contact UTS: Health.

92524 Health and Lifespan Development

6cp

For subject description, contact UTS: Health.

92533 Exercise Physiology

6cp

For further details, contact UTS: Health.

92534 Contemporary Health Issues

6cp

For subject description, contact UTS: Health.

92535 Sport and Exercise Psychology

6cp

For subject description, contact UTS: Health.

92536 Research Methods for Sport and Exercise

6cp

For further details, contact UTS: Health.

92542 Applied Biomechanics

6cp
Requisite(s): 92521 Functional Anatomy AND 92512 Biomechanics of Human Motion
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92543 Exercise Prescription

6cp
Requisite(s): 92523 Strength and Conditioning
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Health.

92544 Health Promotion

6cp

For further details, contact UTS: Health.

92547 Nutrition for Health and Physical Activity

6cp
Requisite(s): 92533 Exercise Physiology
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92550 Sport and Exercise Science Practicum

6cp
Requisite(s): 60 Credit Points in C10300-C10303 OR 60 Credit Points in C10328 Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation

For further details, contact UTS: Health.

92553 Complex Exercise Management

6cp
Requisite(s): 92523 Strength and Conditioning
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92555 Motor Learning and Control

6cp
Requisite(s): 92511 Structural Anatomy
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92558 Performance Studies 1: Gymnastics and Dance

6cp

For further details, contact UTS: Health.

92559 Performance Studies 2: Dance and Athletics

6cp

For further details, contact UTS: Health.

92560 Performance Studies 3: Sport and Aquatics

6cp

For further details, contact UTS: Health.

92562 Exercise Rehabilitation

6cp
Requisite(s): 92521 Functional Anatomy
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92563 Applied Exercise Physiology

6cp
Requisite(s): 92533 Exercise Physiology
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92564 Sport and Exercise Medicine

6cp
Requisite(s): 92521 Functional Anatomy
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

For further details, contact UTS: Health.

92565 Skill Acquisition

6cp

For further details, contact UTS: Health.

92603 Managing Quality, Risk and Cost in Health Care

6cp; intensive
Postgraduate

This subject is essential grounding for clinicians, managers and planners of health services who seek to implement systems to manage clinical work processes and to monitor health service performance. The subject material is designed for clinicians and managers experienced in health care delivery to acquire the knowledge and skills to comprehensively manage the processes of clinical work. The subject prepares students to improve the quality, risk and cost outcomes of care within the context of expectations of clinical and corporate governance, organisational performance and workplace change. The subject initially examines each of the three components of quality, risk and cost individually, and then focuses on how they can all be integrated in the current environment of national safety and quality service standards and activity-based funding. The transparent integration of these three components with a health service demonstrates organisational accountability for patient, clinical and resource outcomes.

Typical availability

Spring semester, City campus

92604 Mental Health Assessment

6cp; on campus, intensive
Postgraduate

This subject enables students to gain competence and confidence with appropriate assessment, monitoring, intervention and referral processes. The teaching and learning activities focus on the day-to-day realities of working with children, adolescents, adults and their families and assists students to integrate appropriate, age-specific interventions. It also provides students with the opportunity to explore and utilise specific activities and techniques in order to critically evaluate their practice, including structured methods to examine interpersonal communication and the opportunity to further enhance their ability to therapeutically engage with individuals and their families. A variety of consumer perspectives is reviewed in order to inform and assist students to examine their practice, and to implement any necessary modifications to the ways in which they relate to consumers, their families and the community in which they live. Contemporary models of professional development, such as mentorship and clinical supervision, are also explored, and, in conjunction with the above reflective practices, provide students with a set of strategies to critically examine their practice.

92605 Therapeutic Interventions in Mental Health Care 2

6cp; on campus, intensive
Postgraduate

This subject provides students with the opportunity to expand their knowledge and ability to utilise a specified range of psychosocial therapeutic interventions in mental health care. These interventions include a comprehensive exploration of family therapy, group therapy, psychotherapy and psycho-education. This subject also provides students with the opportunity to examine and analyse the theoretical bases for interdisciplinary mental health care, and the opportunity to explore their own theoretical bases of practice. An holistic examination and analysis of care necessarily embraces the biological, psychological, sociological, cultural and spiritual domains, including consumer participation approaches and collaborations with the family and community. Philosophical and ethical considerations are examined.

92606 Issues in Australian Health Services

6cp; on campus, intensive
Postgraduate

This subject is designed as an introduction to the Australian health system. It provides an essential grounding for clinicians, managers and planners working in the health system today about current issues that face them. The subject covers a range of topics that touch on the health status and care needs of the Australian population, inter-governmental relations, stakeholders and their interests and changing patterns of care. On completion of the subject, students have knowledge of the main components of the Australian system, its size, structure and organisation, the major issues facing health service policymakers, planners, managers and clinicians, and options for managing health and health systems for the future.

92607 Education for Practice Development

6cp; on campus, intensive
Postgraduate

This subject focuses on the development of educational leadership in specialist nurses and midwives who seek to influence health care practice in their area of expertise and advance clinical excellence in others through the process of education. Through action learning, students are prepared to undertake the roles of change agent, mentor, critical companion and facilitator of learning. Students develop an understanding of education as a strategic building block in the creation of a rich clinical learning environment.

92608 Advanced Assessment and Diagnosis

6cp; on campus, intensive
Requisite(s): 24 credit points in any course
Postgraduate

This subject builds on students' developed skills in health and physical assessment aiming to develop diagnostic skills as they relate to advanced assessment. Advanced assessment skills are studied in relation to inductive or inferential reasoning, clinical thinking processes and clinical judgment. Students learn how to prescribe and analyse common diagnostic and laboratory tests, related to their area of practice, as well as the results of health and physical assessment. A focus is on the development of the skills required to critically

analyse patient/client health data in order to diagnose health need and appropriately make referrals to other health practitioners. The subject assumes that students are in concurrent clinical practice.

92609 Pharmacological Therapies in Advanced Practice

6cp; on campus, intensive
Requisite(s): 92713 Health Breakdown AND 18 credit points of completed study in Completion of 18 credit points
Postgraduate

Advanced practice nurses commonly administer complex drug protocols within a multidisciplinary team approach, which requires a highly developed knowledge of pharmacology to ensure patient safety. This subject provides students with the knowledge and skills required to manage patients requiring drug and non-drug treatment interventions within the student's specialist practice area, including administering medicines safely to clients. The subject allows students to focus on clinical pharmacological therapies relevant to the student's specialist area of practice and the assessment of patient's/client's responses to these therapies. Students study the actions of drugs including pharmacodynamics and pharmacokinetics as well as developing an advanced understanding of their application to patients/clients within their chosen specialty.

92611 Complex Case Management

6cp; on campus, intensive
Requisite(s): 24 credit points of completed study in Completion of 24 credit points
Postgraduate

This subject aims to bring together the various threads of complex case management. Students use their knowledge of pathophysiological events to frame appropriate clinical practice responses. From their understanding of normal trajectories of common health conditions, students are able to identify deviations from standard patterns and critically analyse practitioners' management responsibilities. Students develop advanced techniques of health promotion in relation to complex case management and have well developed risk management skills relating to specified clinical situations.

92612 Research in Health

6cp; on campus, intensive
Requisite(s): 24 credit points of completed study in Completion of 24 credit points AND 92790 Evidence-based Practice
Postgraduate

This subject provides an understanding and appreciation of the multiple ways through which knowledge is generated, specifically in relation to the disciplines of nursing and midwifery, and to health care in general. Students are exposed to the breadth of research methodologies that can be employed for such knowledge generation. Emphasis is placed on relationships between research question/problem, methodology and method. Basic descriptive research methods are used as exemplars of knowledge generation. Completion of the subject enables students to critically appraise an appropriate methodology and method for a chosen area of research inquiry. In addition, the subject explores how to situate an area of inquiry within existing knowledge, proposal writing, as well as ethical and practical issues of conducting research in nursing, midwifery and health care.

92613 Principles of Child and Family Health Nursing

6cp; on campus, intensive
Postgraduate

This subject introduces students to the clinical specialty of child and family health nursing. It describes the scope of practice and displays the level of competent practice to be exhibited in the professional knowledge, skills and behaviours of beginning practitioners. Students' understanding of evidence-based practice is reviewed and applied in child and family health nursing practice. The subject situates primary health care as the philosophical basis of health services for well children and their families, and defines the prominent position of health promotion within the practice of child and family health nursing.

92614 Child and Family Health Nursing 1

6cp; on campus, intensive, 40hrs clinical placement
Postgraduate

The clinical focus of this subject is intended to give students essential skills for practice in working with families with young children from birth to age five. It includes the practical application of the parameters of normal development in early childhood, with particular focus on attachment theory in infancy and normal variations in child behaviours. It supports the health role of the child and family health nurse in undertaking comprehensive assessments of infants and young children 0–5 years of age and in providing anticipatory guidance to alleviate distress and worry in parents. The subject increases students' abilities to support and instil confidence in parents caring for a young baby, and to provide opportunities for social support and education. The subject requires the successful completion of a clinical experience program of 40 hours, undertaken as five single 8-hour days in an early childhood health centre.

92615 Child and Family Health Nursing 2

6cp; on campus, intensive
Recommended studies: 92614 Child and Family Health Nursing 1
Postgraduate

This second clinically focused subject extends the essential skills for working with families with young children 0–5 years of age. It includes the identification of common or potential problems amendable to early intervention, and the nursing management to support parents to care for the health and safety of their children. It enables the role of the child and family health nurse in providing home visiting services for families with new babies and particularly families who would benefit from sustained home visiting. The subject assists the nurse to provide social support and education to parents and to foster the integration of the family in the community. It includes a parenting workshop. The subject requires the successful completion of a clinical experience program of 80 hours, taken as a two-week block in child and family health nursing facilities.

92616 Core Concepts in Acute Care Nursing

6cp; on campus, intensive
Postgraduate

This subject focuses on phenomena that are fundamental to acute care (medical/surgical) nursing practice. Concepts, such as pain and wound management, and nutrition that impact on the patient's illness experience are explored. Students also explore models of nursing and their impact on the management of patient care. Teaching approaches draw upon students' clinical experience, with assessment items applied to their specific specialty area.

92617 Early Interventions in Acute Care Nursing

6cp; on campus, intensive
Postgraduate

This subject provides students with an understanding of the principles of managing patients who become acutely ill and unstable in the acute care setting. It builds on the registered nurse's general nursing knowledge and experience, as well as knowledge of pathophysiology, to increase understanding, learning and application of the nursing care required for patients who suddenly become acutely ill and unstable. The subject focuses on the initial assessment of an unstable patient and the early interventions (including principles of resuscitation) required in managing an acutely ill patient.

92620 Family and Community Health Practice

6cp

This subject investigates the broader perspective of community health and wellness in child and family health nursing. The shared community responsibility of family support is explored together with processes that promote family and community health and wellness. An increased understanding of family function, assessment, and stress factors, especially related to transitional periods, facilitates the student's ability to interact appropriately with families. The signs of distress and dysfunction in the family that may have an adverse effect on infant mental health are addressed. Students gain an increased appreciation of the significant role the family plays in relation to the mental and physical health and wellbeing of its members and to the health of the whole community.

92621 Aboriginal and Torres Strait Islander: Women and Babies

6cp; 2hpw (lecture)
Undergraduate

This subject enhances students' understanding and awareness of the issues related to the health of Indigenous people, particularly Australian Aboriginal and Torres Strait Islander people. Students are given the opportunity to explore their own personal and professional beliefs and attitudes in relation to working alongside Aboriginal and Torres Strait Islander women and babies. Students examine the ways that colonialism has impacted, and continues to impact, on

Access conditions are available in the individual subject descriptions in the online handbook.

the health of Aboriginal and Torres Strait Islander people through cultural, political and socio-economic circumstances. Primary health care initiatives and community development approaches that have been implemented to address the health of Aboriginal and Torres Strait Islander women and babies in Australia as well as Indigenous people in other countries are also examined.

Typical availability

Spring semester, City campus

92622 Becoming a Midwife

6cp; 11 weeks, 2hpw (lectures)
Undergraduate

This subject introduces students to the Bachelor of Midwifery program by providing an overview of the program and the requirements for registration as a midwife in Australia. As the intention of the Bachelor of Midwifery is to prepare students for practice as a midwife, this subject explores the forces that have shaped, and continue to shape, the practice and image of midwifery. This subject briefly traces the rich history of midwifery to the present day. The fundamental literacy and cognitive skills that underpin practice judgment and professionalism are developed concurrently with other subject content. In addition, students are introduced to the information technology applications available in the University.

Typical availability

Autumn semester, City campus

92623 Complex Labour, Birth and Puerperium

6cp; 2hpw (lecture)
Requisite(s): 92626 Midwifery Practice 3: Complex Pregnancy AND 92624 Complex Pregnancy
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject examines the physiological and psychosocial processes that the childbearing woman and her family experience when complexities occur during the labour, birth and/or early postnatal period. The subject explores the role of the midwife in the care of the childbearing family to detect deviations from normal and implement timely and appropriate interventions in collaboration with the maternity care team. This subject also explores how the midwife can support the woman and her family during a complex labour, birth and/or postnatal period. In combination with Midwifery Practice 4, this subject assists students develop the knowledge, skills and attitudes needed to provide safe midwifery care in a variety of clinical scenarios and situations where complexities occur.

92624 Complex Pregnancy

6cp; 2hpw (lecture)
Undergraduate

This subject examines the physiological and psychosocial processes that the childbearing woman and her family experience when complexities occur during pregnancy. The subject explores the role of the midwife in the care of the childbearing family to detect deviations from normal circumstances and implement timely and appropriate interventions. How the midwife can support the woman and her family during a complex pregnancy in collaboration with the maternity care team is also explored. In combination with Midwifery Practice 3, this subject assists students to develop the knowledge, skills and attitudes needed to provide safe midwifery care in a variety of clinical scenarios and situations where acute and surgical skills may be required.

Typical availability

Autumn semester, City campus

92625 Emergencies in Maternity Care

6cp; 1hpw (lecture), 2hpw (laboratory), 4 weeks
Requisite(s): 92627 Midwifery Practice 4: Complex Labour, Birth and Puerperium
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

This final year subject consolidates the student's knowledge, skills and attitudes in maternity emergency situations in the transition to becoming a midwife. Students apply their knowledge of pathophysiology in maternity and neonatal emergencies in practice using simulated drills. The subject builds student's capacity to work as part of a team and has an emphasis on effective communications, reflection on practice, handover and documentation in urgent and emergency situations. The overriding framework of clinical risk management is used throughout the subject.

Typical availability

Autumn semester, City campus

92626 Midwifery Practice 3: Complex Pregnancy

6cp; 3hpw (laboratory), 1hpw (tutorial), 96 clinical hrs
Requisite(s): 92630 Midwifery Practice 2: Supporting Women
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

Students in this subject work in simulated learning environments to learn and develop the requisite midwifery practice skills. Students engage in midwifery practice and are provided with opportunity to reflect on their practice. In the midwifery practice setting, students work with midwives and implement care based on clinical decisions developed in collaboration with others. Students are expected to continue with their continuity of midwifery care experiences. The skills acquired in this subject relate to, and are supported by, the concurrent theoretical subject Complex Pregnancy.

92627 Midwifery Practice 4: Complex Labour, Birth and Puerperium

6cp; 3hpw (laboratory), 1hpw (tutorial), 160 clinical hrs
Requisite(s): 92626 Midwifery Practice 3: Complex Pregnancy
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

Students in this subject work in simulated learning environments to learn and develop the requisite midwifery practice skills. Students engage in midwifery practice and this subject provides opportunity for them to reflect on their practice. In the midwifery practice setting, students work with midwives and implement care based on clinical decisions developed in collaboration with others. Students are expected to continue with their continuity of midwifery care experiences. The skills acquired in this subject relate to, and are supported by, the concurrent theoretical subject Complex Labour, Birth and Puerperium.

Typical availability

Spring semester, City campus

92628 Midwifery Practice 5: Working with Women

6cp; 2hpw (tutorial)
Requisite(s): 92627 Midwifery Practice 4: Complex Labour, Birth and Puerperium
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject students revise the midwifery knowledge, skills and attitudes required to gain competence when working with childbearing women. This subject provides an opportunity for students to reflect on their practice, identifying their own individual learning needs as well as revising and practising frequently used midwifery skills. In the midwifery practice setting, students work with midwives and implement care based on clinical decisions developed in collaboration. Students are expected to continue with their continuity of midwifery care experiences.

Students are able to have an optional rural or international placement as part of this subject.

Typical availability

Autumn semester, City campus

92629 Midwifery Practice 6: Transitions to Being a Midwife

6cp; 2hpw (laboratory), 1hpw (tutorial), 232 clinical hrs
Requisite(s): 92628 Midwifery Practice 5: Working with Women
Undergraduate

Students in this subject work in simulated learning environments to learn and further develop the requisite midwifery practice skills prior to midwifery registration. Students also engage in midwifery practice and are provided with opportunity to reflect on their practice, formulating plans for continuous professional development. In the midwifery practice setting, students implement care based on clinical decisions developed in collaboration. In this subject, students are expected to finalise their continuity of midwifery care experiences and all midwifery practice assessments in preparation for registration.

Typical availability

Spring semester, City campus

92630 Midwifery Practice 2: Supporting Women

6cp; 2hpw (lecture), 2hpw (laboratory), 1hpw (tutorial), 80 clinical hrs
Requisite(s): 92271 Foundations of Midwifery Practice AND 92632 Midwifery Practice 1: Preparation for Practice
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject contributes to the achievement of the knowledge, skills and competency required for midwifery practice. Students work with women and their babies in a supportive role while further developing their skills in assessment and screening. Communication and documentation skills are also developed.

Students are provided with practice opportunities in clinical facilities for predetermined periods of time throughout the semester. The clinical practice introduces students to the care of women and their babies in a supportive role in the antenatal period, during labour and birth, and in the postnatal and neonatal periods. Students commence their continuity of midwifery care experiences and have the opportunity to recruit women during their midwifery practice experience placements.

Typical availability

Autumn semester, City campus

92631 Midwifery as Primary Health Care

6cp; intensive (6hrs, four workshops)
Undergraduate and Postgraduate

This subject contributes to the student's understanding of midwifery within a woman-centred, primary health care framework. Students explore midwifery as a public heath strategy within a broad social context influenced by particular sociocultural, spiritual and politico-economic environments. Students learn about the application of cultural safety within midwifery practice. Processes and mechanisms to enable effective collaboration with health care providers and other professionals are covered.

Typical availability

Autumn semester, City campus

92632 Midwifery Practice 1: Preparation for Practice

6cp; 1hpw (lecture), 3hpw (laboratory), 1hpw (tutorial), 48 clinical hrs
Undergraduate

This subject contributes to the overall course by preparing students for initial midwifery practice. Students focus on learning clinical skills related to midwifery practice including observations, palpation, percussion, auscultation, urinalysis and psychosocial assessments. Students are prepared for entry to the practice environment including professional responsibilities and conduct, occupational health and safety, the requirements for clinical practice, and completion of professional portfolios. Students are expected to provide midwifery care (under the direct supervision of a midwife) based on the clinical decision-making of others.

Typical availability

Autumn semester, City campus

92633 Professional Practice

6cp; 2hrs x 4 workshops
Requisite(s): 120 Credit Points in spk(s): C10225 Bachelor of Midwifery OR 120 Credit Points in spk(s): C10329 Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation
Undergraduate

Situated in the final semester of the course, this subject is the capstone subject of the Bachelor of Midwifery. Students consolidate their understanding of the professional role of the midwife, and recognise and display the professional attributes of a midwife. In preparation for their registration as midwives, students review the ANMC competency standards and reflect on their practice in relation to these and other regulatory frameworks. They identify their role as a member of the maternity health care team and explore the issues related to working in this environment.

92634 Transitions to Parenthood

6cp; 1hpw (lecture), 2hpw (tutorial)
Undergraduate

The transition from pregnancy to parenthood is a significant life event and the midwife plays an important role in the early days of parenting. Supporting and promoting breastfeeding is an important focus of this subject. The subject explores theories of maternal–infant attachment and bonding, and public health issues such as safe sleeping. Students also develop the knowledge, skills and attitudes required to work with women whose transition is complicated by perinatal mental health issues.

Typical availability

Autumn semester, City campus

92636 Preparation for Midwifery Practice

6cp; lecture, 18 hours (3 days); simulated workshops, 18 hours (3 days)
Postgraduate

This subject introduces students to the Graduate Diploma in Midwifery by providing an overview of the course and registering authority's requirements. Students develop an understanding and appreciation of the role of the midwife as a health care professional in the provision of contemporary maternity care. Students are introduced to a philosophy for midwifery practice, and apply this as they begin to develop their knowledge, skills and attitudes required to provide midwifery care. Students are prepared for midwifery practice in a simulated learning environment. The fundamental literacy, information technology and cognitive skills that underpin practice judgment and professionalism are developed concurrently with other subject content.

Typical availability

Autumn semester, City campus

92637 Supporting Families

6cp; 3hpw (workshops)
Postgraduate

The transition from pregnancy to parenthood is a significant life event and the midwife plays an important role in the early days of parenting. Supporting and promoting breastfeeding is an important focus of this subject. The subject explores theories of maternal–infant attachment and bonding, and public health issues such as safe sleeping. Students also develop the knowledge, skills and attitudes required to work with women whose transition is complicated by perinatal mental health issues and child protection concerns.

Typical availability

Spring semester, City campus

92638 Foundations of the Australian Healthcare System

6cp

This subject introduces students to the major structural and functional components of the Australian healthcare system. The major inputs, processes, outputs, and outcomes are examined and discussed, as well as the concepts underpinning the current health system reform agenda. Students are able to critically assess the evolution of the Australian healthcare system, its future direction, and major challenges. Trends in health system performance are also explored, and the impact on the healthcare system of new service provision models. This subject provides a foundation for students to enable

them to improve the efficiency and efficacy of healthcare delivery, manage health systems effectively, influence and change health policy, or lead the future direction of health services.

92713 Health Breakdown

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject focuses on the development of an in-depth understanding of selected pathophysiological concepts and processes, such as: stress response; altered consciousness; impaired immunocompetence and nutrition; disruption of fluid, electrolytes and acid-base balance; altered gas exchange; and disruption of cardiac, renal and respiratory functions. The application of these processes and concepts provides a knowledge base for registered nurses to improve clinical judgments and decision-making in the management of patients with complex changes in health status.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92721 Health Promotion and Health Education

6cp; intensive mode; 500-level subject; professional studies subject
Requisite(s): 24 credit points of completed study in Completion of 24 credit points
Professional studies subject
Postgraduate

The aim of this subject is for students to establish an expanded knowledge base in the theory and processes of health promotion, which can be applied in a range of settings both within the health sector and in the wider community. The subject provides students with useful frameworks to plan and evaluate health promotion programs.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92760 Fundamentals of Postanaesthesia Recovery Nursing

6cp

This subject aims to expand students' awareness and understanding of the postanaesthesia recovery unit nursing role. It also develops their knowledge of the physiological and psychosocial needs of the surgical patient in the immediate postoperative period, and the legal obligations of the nurse in the postanaesthesia recovery unit.

92785 Midwifery in Complex Situations

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject prepares students to assess, plan, implement and evaluate midwifery care for women and babies who have complex needs. The legal, ethical and professional responsibilities of the midwife are examined in relation to the provision of care for this group.

Typical availability

Spring semester, City campus

Note(s)

This subject was formerly named Midwifery in Complexity.

92790 Evidence-based Practice

6cp; weekly or intensive mode; research subject
Research subject
Postgraduate

This subject aims to expand students' understanding of, and commitment to, the development of evidence-based nursing and midwifery practice. Students are given the opportunity to develop a broad understanding of quantitative approaches to nursing research without becoming preoccupied with statistical analysis. Having completed the subject, students are able to evaluate research findings and extract their clinical relevance.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92812 Project

12cp; one-semester subject; equivalent to 2 x 500-level subjects; work with project supervisor
Equivalent to 2 x 500-level subjects
Postgraduate

This project aims at the completion of a supervised but independent development of a topic in an extended piece of written work of 8000-10,000 words (excluding references, appendices and tables). This extended piece of work may take a variety of forms, for example, a long essay, clinical practice guidelines, or development and evaluation of an education program.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92845 Primary Health Care

6cp; intensive mode
Postgraduate

This subject examines the systems in place to prevent and manage a chronic disease such as diabetes. These include the Chronic Care Model, the Enhanced Primary Care Program, the National Integrated Diabetes Program and Clinical Information Strategies. Throughout this subject primary health care concepts are used as a theoretical backdrop for understanding these programs as well as appreciating the therapeutic relationship between diabetes educators and those for whom they provide care. The common psychological experiences in diabetes and their management are examined from an individual and family perspective. This subject broadens students' orientation to helping people manage and cope with diabetes by emphasising a self-management model of care. Self management is recognised as a way of preventing disease progression, reducing hospital admissions and the costs both direct and indirect of the disease. The barriers to optimal self management are explored and strategies to support self management addressed.

Typical availability

Spring semester, City campus

92847 Planning and Evaluating Health Services

6cp; intensive mode; 500-level subject; professional studies subject
Professional studies subject
Postgraduate

This subject aims to provide students with the necessary knowledge and skills to understand and apply the major concepts involved in health services planning and evaluation. Topics covered include the relationship between evaluation and planning; the importance of assessing need, and understanding data and data sources; and the perils of healthcare forecasting. Workforce planning and service capability frameworks are addressed, as well as planning capital infrastructure for health services. How to evaluate and implement a health services plan is also described. In order to highlight the complexities of health services planning, a range of case studies are utilised such as an existing health service, a new purpose-built facility, primary and community health service, disease type, age type, and service model type. An emphasis is placed on the importance of stakeholder consultation and engagement within the health services planning environment.

Typical availability

Autumn semester, City campus

92848 Facilitation of Clinical Learning

6cp; intensive
Postgraduate

This subject has been designed for nurse clinicians who have, or will have, responsibility for the successful transition of nursing students and new graduates into the clinical environment. Through the application of adult learning principles, participants become aware of the conditions that encourage and promote effective and efficient clinical learning. In addition, they have the opportunity to design a program of clinical teaching, and are encouraged to evaluate their own development as preceptors and facilitators of clinical learning.

Typical availability

Autumn semester, Kuring-gai campus

92869 Specialty Clinical Practice

6cp
Clinical practice subject
Postgraduate

In this subject students achieve an advanced level of clinical and professional competency in their chosen clinical specialty through a program of integrated and clinically based learning strategies. The subject requires students to expand their clinical and professional knowledge and extend and refine their practice. Learning experiences are directed to the management of patient care, the clinical environment and services, professional responsibilities, leadership and collaboration, problem solving and evaluation, education strategies, inquiry and investigation.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92871 Perinatal Development

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject aims to assist students in understanding the influence of prematurity and adverse perinatal factors on the adaptation of the neonate to the extrauterine environment. Consideration is given to the initial assessment and management of the compromised neonate and the neonate at risk. While this subject critically explores the health team's response to premature and adverse birth outcomes, the nurse's role is highlighted. Throughout this subject the neonate is recognised as an individual and as a family member.

92873 Midwifery Practice 1

6cp; intensive mode; clinical practice subject
Clinical practice subject
Postgraduate

This subject provides the theoretical underpinnings to enable students to acquire the requisite knowledge, skills and attitudes for midwifery practice. The primary focus of this subject is on women experiencing a normal childbearing period. Professional practice placements are a compulsory requirement and are assessed within this subject.

Typical availability

Autumn semester, City campus

Note(s)

This subject was formerly named Midwifery Clinical Practice.

92876 Therapeutic Interventions in Mental Health Care

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject has two primary purposes. The first is to expand knowledge and understanding of somatic therapies in mental health care, primarily psychotropic medications. To achieve this, students review findings regarding the biological understandings of mental distress and associated treatments. These approaches are integrated into other social, cultural and psychological understandings about mental distress. The second purpose is to give participants a hands-on experience of various interpersonal therapeutic modalities currently practised in mental health settings and of relevance to mental health nurses. This involves individual, group and family approaches. Where possible, participants are encouraged to link with groups engaged in therapies of interest in their clinical settings to enrich their understanding of and competence in these approaches.

92878 Care of the Child in Illness and Disability

6cp; intensive mode; clinical studies subject
Postgraduate

This subject extends the student's theoretical knowledge for practice in paediatric nursing. The relationship between scientific and nursing knowledge and informed practice is emphasised. Health breakdown in infants, children and adolescents, related pathophysiology and epidemiology, assessment and diagnostics, and disability are examined. Therapeutic interventions and nursing management for infants, children and adolescents with health breakdown states and disability are also evaluated. Issues related to growth and development, the care of families and the development of paediatric nursing as a specialty are explored.

92881 Foundations of Perioperative Nursing

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject aims to expand the students' awareness and understanding of the perioperative nursing role. It also aims to develop the students' foundational knowledge of the impact of the surgical experience on the individual and his or her significant others (e.g. partner, family, friend) and the legal obligations of the nurse in the operating suite environment.

Typical availability

Autumn semester, Kuring-gai campus

92882 Techniques in Perioperative Nursing

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject aims to further develop students' knowledge of the physiological, psychosocial and surgical needs of the patient (adult and child) undergoing common surgical procedures. Pre-, intra- and postoperative nursing assessment and care are explored in depth, as well as the broader aspects of technological issues associated with the surgical environment. An in-depth knowledge of anatomy is also developed.

Typical availability

Spring semester, Kuring-gai campus

92887 Organisational Management in Health Care

6cp; intensive mode; professional studies subject
Professional studies subject
Postgraduate

Organisations are a part of everyone's life and world, dominating much of what people are and what they do. Organisational theory focuses on the goals of organisations, and the structures, strategies, processes and cultures within. In this subject, the concepts of organisation and organisational behaviour are considered. Knowledge of organisational behaviour provides a framework for the management of people and processes in an organisation, in this case, health care organisations. One of the increasingly important functions of managers is to understand how to meet objectives, enhance performance and govern the organisation's outcomes. Doing so requires an understanding of how humans behave and how organisations and the managers within them positively or negatively impact upon employees' capacity to accomplish organisational goals, and how performance, knowledge and change are managed in complex organisations.

Typical availability

Spring semester, City campus

92893 Midwifery Practice 2

6cp; tutorial and laboratory sessions/clinical placement; clinical practice subject
Clinical practice subject
Postgraduate

This subject provides the theoretical underpinnings to enable students to acquire the requisite knowledge, skills and attitudes for midwifery practice. The primary focus of this subject is on women experiencing maternity emergencies that require the midwife to recognise, react and respond appropriately. Professional practice placements are a compulsory requirement and are assessed within this subject.

Typical availability

Spring semester, City campus

Note(s)

This subject was formerly named Midwifery Practice.

92894 Advanced Clinical Practice

6cp; 500-level subject; clinical practice subject
Requisite(s): 24 Credit Points in spk(s): 00000-999999
Clinical practice subject
Postgraduate

In this subject, students who are experienced nurse clinicians undertake learning experiences in advanced practice which enables them to function as advanced practitioners. The subject requires

students to extend their knowledge, skills and performance to the practice levels of an advanced practitioner. Learning experiences are based in the practice setting and require students to demonstrate clinical, management and professional expertise.

Typical availability

Spring semester, Kuring-gai campus

92895 Issues in Neonatal Care

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject enables students to advance their knowledge of neonatal health dysfunction and its management through critical evaluation of practice. The pathophysiology of disease processes common to the neonatal period is utilised in conjunction with behavioural assessment as rationales for nursing intervention. Consideration is given to the long-term health consequences associated with health dysfunction during the neonatal period. The impact of neonatal health dysfunction on the family and society is explored and the nurse specialist's role in neonatal nursing emphasises leadership and innovative practice.

92902 Care of the Acutely Ill Child

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject advances students' theoretical knowledge to that required for specialist paediatric nursing practice when children with complex health breakdown states require nursing care. Nursing knowledge is applied to the management of infants, children and adolescents in complex health breakdown states. Children's pain and its management are examined and the place of technology in paediatric nursing practice is explored. The development of policy and standards of practice for acutely ill children are considered and nursing approaches to death and dying, loss and grief issues are evaluated.

92905 Dimensions of Anaesthesia Nursing

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject aims to expand students' understanding of the anaesthetic nursing role. It develops their knowledge and awareness of the physiological and psychosocial needs of the patient experiencing anaesthesia, being ventilated or requiring pain management.

Typical availability

Autumn semester, Kuring-gai campus

92917 Using Health Care Data for Decision Making

6cp; intensive mode; professional studies subject
Professional studies subject
Postgraduate

This subject provides a supervised experiential opportunity for the graduate student with an interest in clinical or managerial decision-making in the health services sector to explore and manipulate 'real' patient data to both generate and answer questions. The focus may be managerial or clinical, or an integration of these. Theoretical input is limited to allow for more in-depth use of the database. The subject helps students to develop the ability to generate and answer research questions, and make decisions based on available health sector data.

Typical availability

Autumn semester, Kuring-gai campus

Note(s)

This subject was formerly named Using Data in Health Care Analysis.

92918 Fundamentals of Critical Care Nursing

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject develops the knowledge and understanding of critical care nursing practice in relation to the management of critically ill patients with acute cardiovascular, respiratory, neurological, renal and metabolic instability and who require emergency and critical care interventions. The impact of acute illness and the critical care environment on seriously ill patients and their families is explored.

Typical availability

Autumn semester, Kuring-gai campus

92919 Complex Critical Care

6cp; intensive mode; clinical studies subject
Clinical studies subject
Postgraduate

This subject develops the knowledge and understanding of critical care nursing practice in relation to the management of critically ill patients with complex, interdependent disorders requiring emergency and critical care interventions. The issues of loss and grief for patients, their families and critical care staff are explored.

Typical availability

Spring semester, Kuring-gai campus

92920 Neuroscience: Trauma and Cerebrovascular

6cp; block; clinical studies subject
Clinical studies subject
Postgraduate

This subject focuses on the principles of neuroscience nursing practice. The focus of study is persons who have had an injury to the nervous system and alterations to cerebrovascular flow. The subject content is explored using clinical case studies and a framework that reflects a holistic model of care.

Typical availability

Autumn semester, Kuring-gai campus

92921 Neuroscience: Degenerative and Oncological

6cp; intensive; clinical studies subject
Clinical studies subject
Postgraduate

This subject is designed to enhance the clinical knowledge base and clinical decision-making skills of nurses working with persons with neurological and neurosurgical conditions. The subject focuses on the effects of malignant and non-malignant tumours, degenerative disorders, and disturbances to electrical conduction, infections and acute and chronic pain states.

Typical availability

Spring semester, Kuring-gai campus

92922 The Meaning of Birth

6cp; block, 3 days x 8 hours (face-to-face) + 6 hours (online)
Undergraduate and Postgraduate

This subject exposes students to sociopolitical discourses that inform the experience of childbirth for women and their families, and the role of the midwife in that experience. Examining popular culture helps to stimulate students to consider and debate relevant psychosocial and political issues. Students engage in an ongoing process of questioning their own attitudes, values and feelings. Elements of research, self-reflection (as a student and as a future midwife) and woman-centred approaches assist students to prepare for what it means to be a midwife. In order to have a fuller understanding of the meaning of birth, theories of grief and loss are also explored.

Typical availability

Autumn semester, City campus (GradDipMid students)

Spring semester, City campus (BMid students)

92923 Continuity of Midwifery Care

6cp; intensive; clinical studies subject
Clinical studies subject
Postgraduate

This subject enables students to explore ways in which midwives can respond to the identified needs of women as the primary focus of the midwives' relationship, and through them identify the needs of their families and significant others. Collaboration and interdisciplinary issues are explored within the context of the woman's life and the socio-political dimensions of families.

Typical availability

Summer session, City campus

92925 Models of Midwifery Care

6cp; mixed (lectures, seminars, group work, class presentations, inquiry-based learning, assignments); 500-level subject
500 level
Postgraduate

This subject enables midwives to critically evaluate the benefits, obstacles and developmental strategies associated with innovative maternity service provision in Australia and internationally, in both public and private health systems. A particular focus of inquiry is the multiple ways midwives work in partnership with women. This includes accessing and critiquing contemporary research findings that inform practice development, ethical decision-making, inter-professional collaboration and the implementation of cost-effective changes in maternity service provision. Students identify the personal and professional support and the practice development necessary to engender confidence in all those working to provide new models of maternity care. A framework that addresses the philosophical foundation of midwifery and the construction of midwifery knowledge underpins this subject.

Typical availability

Autumn semester, Kuring-gai campus

92926 Information Management Application

6cp; intensive; 500-level subject; professional studies subject
Requisite(s): 92917 Using Health Care Data for Decision Making
Professional studies subject
Postgraduate

Building on the prerequisite subject 92917 Using Health Care Data for Decision Making, this subject offers health professionals a unique opportunity to use their developing data analysis skill on a 'real life' problem of interest. Students complete a project in association with a health care delivery setting, using administrative data, supervised by faculty, staff and other health professionals. The process of completing the project offers an invaluable experience of interdisciplinary collaboration.

92927 Evidence-based Practice (Midwifery)

6cp; intensive mode; research subject
Research subject
Postgraduate

This subject provides students with the knowledge, skills and attitudes to be able to effectively use evidence to inform midwifery practice as well as be research aware within the clinical practice environment. Students gain a broad understanding of quantitative and qualitative approaches to research. The ability to critique the evidence assists students formulate evidence-based guidelines. A focus on using woman-centred language helps students develop the skills needed to be able to discuss research findings with women in practice.

Typical availability

Autumn semester, City campus (postgraduate students)

Spring semester, City campus (undergraduate students)

92932 Management for Clinicians

6cp; intensive; professional studies subject
Professional studies subject
Postgraduate

This subject covers the essential knowledge that clinicians need to manage a ward or unit and introduces the concept of management theory and practice in healthcare settings. It addresses the basic competencies to fulfill a managerial role and the broader context in which a clinical manager operates. It enables students to develop effective skills in managing self, people, teams and finances. Topics covered include the difference between leading and managing, management and leadership styles, team communication, leading and developing teams, managing diversity and dysfunctional people, understating the main financial statements, and how to construct and analyse a budget. An emphasis is placed on describing strategies to deal with a range of common performance issues. The subject is delivered in a four-day block mode using a variety of teaching methods.

Typical availability

Autumn semester, City campus

92934 Clinical Management of Diabetes

6cp; intensive
Postgraduate

This subject expands on foundation clinical knowledge and develops in-depth knowledge specific to the aetiology and pathophysiology of diabetes including prevention, risk factor screening and management strategies. The impact of diabetes on specific population subgroups and their particular interdisciplinary management needs are also examined along with acute and chronic diabetes complications. This subject also provides an overview of the impact of diabetes and jurisdictional, national and international responses to the diabetes epidemic.

Typical availability

Autumn semester, City campus

92938 Midwifery Practice Development

6cp; distance plus two days workshop attendance; 500-level subject; midwifery subject
Midwifery subject
Postgraduate

Development of midwifery practice at both national and international levels is being challenged through changes in health care policies, research findings related to childbearing and caring, and the economic imperatives that drive health care services. This subject examines these factors and a range of midwives' possible responses. The use of evidence in the development of best practice forms a significant component of this subject.

Typical availability

Spring semester, Kuring-gai campus

92946 Project Part A

6cp; one-semester subject; availability: enrolment is subject to faculty approval
500-level subject
Postgraduate

In this subject students are supervised but independently develop a topic in an extended piece of written work.

This extended piece of work is generally:

- a critical review of literature in relation to a defined topic, or
- a data analysis/project, or
- an extension of a work-based project.

The project may be taken as a 6-credit-point subject (i.e. this subject only) or as a 12-credit-point subject in association with 92947 Project Part B, with varying expectations in terms of the grounding in the literature, complexity of topic choice and the word length of the paper.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92947 Project Part B

6cp; one-semester subject; 500-level subject
Postgraduate

The project is a supervised but independent development of a topic in an extended piece of written work. This extended piece of work is generally:

- a critical review of literature in relation to a defined topic
- a data analysis/project, or
- an extension of a work-based project.

The project may be taken as a 6-credit-point subject (i.e. this subject only) or as a 12-credit-point subject in association with 92946 Project Part A, with varying expectations in terms of grounding in the literature, complexity of topic choice and word length of the paper.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92972 Health Care Research Methodology

6cp; intensive, mixed; 500-level subject; research subject
Research subject
Postgraduate

This subject provides an understanding and appreciation of the multiple ways through which knowledge is generated in specific relationship to the disciplines of nursing and midwifery, and health care in general. Students are exposed to the breadth of research methodologies that can be employed for such knowledge generation. Emphasis is placed on relationships between research question/problem, methodology and method. Basic descriptive research methods are used as exemplars of knowledge generation. Completion of the subject enables students to critically appraise an appropriate methodology and method for their chosen area of research inquiry. In addition, the subject explores how to situate an area of inquiry within existing knowledge, proposal writing, as well as ethical and practical issues of conducting research in nursing, midwifery and health care.

Typical availability

Autumn semester, City campus

92973 Developing Health Care Theory

6cp; intensive, mixed; 500-level subject; research subject
Research subject
Postgraduate

This subject focuses on understanding nursing, midwifery and health care phenomena through methodological approaches such as grounded theory and phenomenology. Descriptive and comparative studies examining relationships among variables and predictive modelling are used as exemplars of research approvals for theory development. Design issues, such as identifying and recruiting participants, theoretical sampling, and data collection including survey design, data analysis and interpretation are addressed. Concepts such as validity, reflexivity, trustworthiness of data and applicability are examined in relation to the methodological approaches explored throughout the subject.

Typical availability

Spring semester, City campus

92974 Investigating Health Care Change

6cp; intensive, mixed; 500-level subject; research subject
Research subject
Postgraduate

This subject situates research within the processes of examining practice change in nursing, midwifery and health care. Methodological processes, such as descriptive and experimental design, and action research are used as exemplars of investigating practice change. Practical issues of production of evidence, use of clinically meaningful outcomes, and development of strategies to overcome barriers to practice change are explored. Research challenges, including appropriate selection of design, research participants, sample size, data collection, including selection of appropriate measures, data analysis and interpretation of results are studied. Concepts such as validity, reliability, and rigour are examined in relation to the methodological approaches explored throughout the subject.

Typical availability

Spring semester, City campus

92975 Master of Nursing (Honours) Thesis

0cp

For details on this subject contact the faculty research administrator:

Research Administration Officer

telephone +61 2 9514 4834

email **health.research.students@uts.edu.au**

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92976 Master of Midwifery (Honours) Thesis

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92977 Master of Health Services (Honours) Thesis

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92979 Health Services Dissertation

0cp

For subject details, contact the research administration officer:

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

92980 D Midwifery Dissertation

0cp

For subject details, contact the research administration officer:

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92981 D Nursing Dissertation

0cp

For subject details, contact the research administration officer:

telephone +61 2 9514 4834

email NMHResearch.StudentsAdmin@uts.edu.au

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92983 Specialty Practice

6cp
Clinical practice subject
Postgraduate

In this subject students achieve an advanced level of clinical and professional competency in their chosen clinical specialty through a program of integrated and clinically based learning strategies. The subject requires students to expand their clinical and professional knowledge and extend and refine their practice. Learning experiences are directed to the management of patient care, the clinical environment and services, professional responsibilities, leadership and collaboration, problem solving and evaluation, education strategies, inquiry and investigation.

Typical availability

Autumn semester, Kuring-gai campus

Spring semester, Kuring-gai campus

92984 PhD Thesis: Nursing

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

93000 PhD Thesis: Midwifery

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

93001 PhD Thesis: Health

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

93002 Knowledge Utilisation and Policy in Health Services and Practice

6cp

This subject focuses on the concept of knowledge utilisation and the relationship between evidence-based decision-making and the health service context from the individual-clinical to a population-policy level. This includes exploring a range of knowledge utilisation/practice development models; guideline development, policy development, and practice development.

Typical availability

Autumn semester, City campus

93003 Research Inquiry: Processes and Practices

6cp

This subject builds on existing knowledge by further developing research awareness, knowledge and skills. The subject examines the philosophical foundations of research inquiry; assists students to further develop a range of abilities required to emerge as a beginning independent researcher and lifelong learner.

Typical availability

Autumn semester, City campus

Autumn semester, Kuring-gai campus

93004 Research Design and Analysis in Health Services and Practice

6cp

This subject deepens and extends students' knowledge of a range of research designs/methods and methodological or theoretical frameworks to explore a range of health services issues. This enables the development of appropriate strategies for researching/analysing their own practice and practice context. Several experts in the field present seminars on innovative and collaborative research in health services and practice.

Typical availability

Spring semester, City campus

93005 Leading Change in Health Services and Practice

6cp

This subject examines the development of health services through an exploration of innovative and collaborative research into leadership, policy and international practice. A series of presentations by (or interviews with) visiting fellows from a range of disciplines, health settings and locations throughout Australia and internationally are established to showcase research excellence in leading change in health services and practices.

Typical availability

Spring semester, City campus

93006 Clinical Practice (Diabetes)

6cp; intensive

Requisite(s): 92934 Clinical Management of Diabetes AND 015356 Learning in Diabetes Education

These requisites may not apply to students in certain courses. See access conditions.

Postgraduate

This subject allows students to complete 40 hours of clinical observation in an approved centre to meet specific objectives which focus on ADEA core competencies.

Typical availability

Autumn semester, City campus

93007 PhD Thesis: Sport and Exercise

0cp

Further information is available from:

Research administration officer

telephone +61 2 9514 4834

email health.research.students@uts.edu.au

95563 Digital Media Development Process

6cp; 2hpw, face-to-face (students should spend an average of 9–12hpw, including class time); availability: postgraduate degree students

Postgraduate

This subject examines the nature of the interactive multimedia development process. It explores multimedia development teams, roles and methods in a group work setting. Students work with a real-world client to redesign their web presence and develop detailed proposals and specifications. This is an 'action learning' subject where students learn by doing. It has an intensive workload.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95564 Digital Media Technologies

6cp; availability: postgraduate degree students

Postgraduate

This subject provides an overview of some of the software and hardware technologies utilised in the development and maintenance of moderately complex websites exhibiting sophisticated interactivity and requiring a systematic approach to management.

It provides an opportunity for students to demonstrate an understanding of the skills and issues relevant to the creation and management of websites of moderate complexity. These skills may include HTML authoring, CSS design, browser scripting with JavaScript, interaction with back-end database environments using scripting engines such as PHP, database management systems such as MySQL, and other skills as appropriate.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95565 Digital Graphics and the Still Image

6cp; availability: postgraduate degree students

Postgraduate

This subject introduces students to the production of screen-based graphics in the context of the online environment. It also focuses on developing analytic skills in visual literacy and visual grammar. Students are expected to produce projects for assessment demonstrating a high level of critical visual awareness. The subject aims to develop an appreciation of basic graphic design, typographic principles and audience awareness, especially in relation to social, cultural and ethical issues.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95566 Digital Information and Interaction Design

6cp; availability: postgraduate degree students
Postgraduate

This subject introduces students to the information and interaction design element of the multimedia production process. It encourages students to critically engage with interdisciplinary approaches to information and interaction design in a context of peer support and feedback, in order to forge their own unique personal theory. This theory is then applied to a real-world design project in which students work with a client, with advice and input from industry professionals.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95567 Digital Media in Social Context

6cp; availability: postgraduate degree students
Postgraduate

This subject uses the interdisciplinary approach of media studies to explore the debates around the role of the media in society, and the changes that digital media are reflecting and contributing to that role. It takes some of the common terms associated with the new media, such as information revolution, global village, collapse of time and space, globalisation, constant change and new forms of democracy, and analyses their usage in an historical context to facilitate an informed and critical view of the issues.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95568 Digital Sound and the Moving Image

6cp; availability: postgraduate degree students
Postgraduate

This subject introduces students to the uses of sound, moving image and interactivity in multimedia. Using practical and theoretical approaches, students are expected to examine the role of sound and the moving image in interactive media and refine the ability to make informed choices about using animation, audio and visual techniques in interactive contexts. The program used and supported in this class is Adobe Flash. Students gain basic skills in creating and applying sound and moving image for online products, together with programming skills in Flash's programming language Actionscript to increase interactivity.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95569 Digital Media Project

12cp; availability: postgraduate degree students
Requisite(s): 48 credit points of completed study in C04158 Master of Interactive Multimedia
Postgraduate

This is a capstone project subject where students consolidate their knowledge, skills and experience acquired in their studies. This is realised in the planning, development and production of a digital media product in a collaborative learning environment of a multimedia production team. Students are encouraged to critically innovate and experiment in their development process in the context of addressing a particular need as well as making an original contribution to the field of multimedia. The subject also provides students with the opportunity to explore possibilities for future development of their digital media product and careers in the multimedia industry.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95570 Knowledge Transfer and Research Commercialisation

6cp; availability: not offered to exchange and study abroad students
Postgraduate

The commercialisation of research take place in a complex legal, commercial and scientific/cultural environment. In this subject students learn to understand their role, capacity and potential as an agent for such commercialisation. The subject provides students with practical information and builds skills and capacities in the identification of commercialisation opportunities and the implementation of commercialisation processes appropriate to the students research.

95571 Research Project Management

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject allows students to assess, plan and manage a chosen research project as a basis for learning about project management life-cycles and generic project management processes including initiating, planning, executing, controlling and evaluating the project. The subject introduces techniques for managing the project's stakeholders as well as those regarding its scope, time cost, quality, communication, procurement and risk.

95572 Entrepreneurial Foundations

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject assists students to develop and systematically apply an entrepreneurial way of thinking that allows them to create and/or identify opportunities that may be commercialised successfully. Entrepreneurship is the process of seizing or creating opportunity without regard to the resources you own. It is the process of building something from nothing; risk is involved.

95573 Leadership and Workplace Communication

6cp; availability: not offered to exchange and study abroad students
Postgraduate

Workplace communication, team and leadership skills are essential to the multi-dimensional methods of research management and research commercialisation. This subject introduces students to various schools of thought surrounding leadership by examining the practical implications of these within a research environment. It also develops students own leadership and related communication skills through interactive and collaborative practical learning experiences.

95575 Public Policy in Research

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject offers an introduction to the world of public policy designed to specifically raise awareness about the relationship between research and public policy. A number of themes and issues on the relationship between research and public policy are introduced enabling a better understanding of public policy. The subject enables students to develop and deepen their understanding of the processes of policy analysis, development and implementation, and contributes towards them becoming more effective policy actors.

95582 PhD Thesis: Sustainable Futures

0cp

Students enrol in this subject as the thesis component of the Doctor of Philosophy in Sustainable Futures (C02037) (see page 529). Further information is available from the Institute for Sustainable Futures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95583 Master of Sustainable Futures Thesis

0cp

Students enrol in this subject as the thesis component of the Master of Sustainable Futures (C03032) (see page 542). For further details contact the Institute for Sustainable Futures.

95584 Contexts for Research Management

6cp; availability: not offered to exchange and study abroad students
Postgraduate

The practice of research management is shaped, to a large extent, by the policy and structural contexts within which institutions, and researchers function. Thus, research managers operating at the higher levels of the profession require advanced understandings of discourses of globalisation, such as 'the knowledge economy'; those of national interest such as 'the national innovation system'; and conceptual debates in connection with quality, impact, scientific merit, 'public good' and triple bottom line thinking as determinants of the value proposition for research activity in both the public and the private sectors.

The subject aims to introduce the student to a number of concepts and analytical approaches necessary for the development and critical appraisal of your understanding of the environments within which research management practices take place, and for the development of practical responses to maximise the efficiency and effectiveness of research management in those environments.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95585 Managing Research Careers

6cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject aims to provide the students with an understanding of the patterns of research career development, and of the principles and mechanisms of career self-management. It aims to assist the student to develop the analytical approaches to professional development needs of researchers, and the personal skills of effective presentation to employers at various levels in the research and research management fields.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95586 Strategic Issues in Research Management

6cp
Postgraduate

Research management is an increasingly specialised and complex professional field involving both values-based strategic decision-making and a plethora of interrelated compliance, governance and administrative functions. Research management takes place in both public and private sector contexts, and facilitates delivery of the economic, social and cultural benefits expected of research.

This subject, the second of two focused on research management issues, deals with a number of the key strategic concerns which are part of a senior research manager's activity.

The subject aims to provide a foundation of understandings and skills for the exercise of senior research management roles including a focus throughout on quality assurance and risk management.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95587 Principles and Practice of Research Management

6cp; availability: not offered to exchange and study abroad students
Postgraduate

Research management is an increasingly specialised and complex professional field involving both values-based strategic decision-making and a plethora of interrelated compliance, governance and administrative functions. Research management takes place in both public and private sector contexts, and facilitates delivery of the economic, social and cultural benefits expected of research.

This subject, the first of two, deals with a number of the key foundational principles and practices which are part of a research manager's activity.

The subject aims to improve an understanding of the range of frameworks and issues involved in the field of research management. In exploring these frameworks and issues, the subject acknowledges the human factors in research organisations and examines the data management systems and other technologies which underpin the operation of a typical research services unit.

Typical availability

Autumn semester, City campus

Spring semester, City campus

95588 Research and Global Sustainability

6cp; availability: not offered to exchange and study abroad students
Postgraduate

Global sustainability will be the driving force changing the way we work and live in the 21st century; a primary focus in our intellectual and material work, as well as in our collective and individual lives. Demands for greater accountability and transparency are increasing for government, corporations and civil society, particularly in the context of the knowledge economy, with significant ramifications for the accepted norms of R&D, including scientific merit, technological advancement and research integrity. Globalisation, revolutions in communication and information, increased environmental and social awareness are pressing leaders, citizens and communities alike to view the future in very different ways.

This subject deals with a number of key principles and practices relating to global sustainability, which are part of an R&D manager's activity and operating context. Global sustainability will be viewed as a case study of an emergent field in R&D, against the background of R&D's historical and ongoing responsibility for many of the phenomena requiring amelioration under the global sustainability agenda.

95589 PhD Thesis: Pharmacy

0cp
Requisite(s): C02056 Doctor of Philosophy

For subject description, contact UTS: Pharmacy.

95590 Master of Pharmacy Thesis

0cp

For subject description, contact the Graduate School of Health.

95591 Master of Pharmaceutical Sciences Thesis

0cp

For subject description, contact the Graduate School of Health.

95723 Research Dissertation 1 (Sustainable Futures)

24cp

For subject description, contact UTS: Institute for Sustainable Futures.

95724 Research Dissertation 2 (Sustainable Futures)

24cp
Requisite(s): 95723 Research Dissertation 1 (Sustainable Futures)
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Institute for Sustainable Futures.

96001 Introduction to Pharmacy

6cp

In this subject students are introduced to the profession of pharmacy and the role of the pharmacist in health care. The regulatory environment in which pharmacists work is addressed, as well as ethical and professional standards. An overview of the Australian health care system is provided, including the laws and policies governing the supply and use of medicines, in particular the National Strategy for Quality Use of Medicines. A number of core themes are introduced in this subject that are reinforced and expanded in subsequent subjects: health and illness, health literacy, and health promotion.

Typical availability

Autumn semester, City campus

96002 Concepts in Pharmaceutical Sciences

6cp

This subject covers the fundamental principles in pharmaceutical science and is an essential prerequisite of applied therapeutics and clinical practice. The first half of the unit provides an overview of drug discovery and development. The sources of medicinal products from plants and other galenicals, drug action at target macromolecules (including receptors, enzymes and nucleic acids) and approaches in the evaluation of drug response and drug stability are covered. The significance of functional groups to pharmacological activity,

disposition and delivery are also discussed. The second half focuses on approaches used in drug discovery and development. Topics include rational drug design and functional biology. Analytical methods used in the analysis of parent molecules, metabolites and degradation products are also studied.

96003 Pharmaceutics

6cp

This subject establishes the principle concepts of pharmaceutics required for drug formulation, therapeutics and practice. The relationships between physiological, physiochemical and biopharmaceutical properties of drugs; dosage form design and drug delivery; drug disposition and therapeutic response are established. Topics covered include: pharmaceutical formulation; biopharmaceutical and pharmacokinetic considerations in dosage form design; the physiochemical basis governing drug solubility; solid dosage forms; liquid dosage forms; topical dosage forms and semisolids; pharmaceutical inserts; and sterile dosage forms including parenterals, biologics and inhalation pharmaceuticals. Innovative approaches to drug delivery are addressed, such as the use of pharmaceutical nanotechnologies. Current Good Manufacturing Practice (GMP) and Good Compounding Practice, packaging and labelling, and the influence of manufacture and distribution on product quality are also covered. Other topics covered include microbiological contamination and sterilisation procedures.

96004 Professional Services 1

6cp

The pharmacist's role is evolving from a predominantly product orientation to a service and product model of health care, directed to patients and consumers of medicines. This subject addresses the service of dispensing prescription medicines, and the delivery of patient information using consumer medicine information (CMI) leaflets. Using an integrated approach, in this subject students develop their knowledge and skills in prescription processing, dispensing technologies, legal and ethical responsibilities, and communication with consumers.

96005 Professional Services 2

6cp; 6hpw, on campus; availability: students enrolled in the Master of Pharmacy course only
Requisite(s): 96004c Professional Services 1 AND 96006c Integrated Therapeutics 1 AND 96007c Drug Disposition AND 96008c Evidence Based Practice
There are also course requisites for this subject. See access conditions.
Postgraduate

Professional Services 2 covers three types of pharmacy service that address the objective of improving quality use of medicines (QUM).

First, it is evident that patients need to be adherent with their medications to ensure optimal use and clinical outcomes. At the same time, poly-pharmacy may result in drug-related problems which could lead to negative clinical outcomes. Students review the major causes of non-adherence and strategies to assist adherence. They follow the process of defining, planning, implementing and evaluating an adherence service. The communication and behavioural aspects of patient-pharmacist interactions are covered.

Second, the aims of a clinical intervention service are to identify, document and resolve drug-related problems. The various processes that lead to a drug-related problem are covered, including the communication and behavioural aspects of doctor-pharmacist interactions.

Finally, MedsCheck and Diabetes MedsCheck services are addressed.

This subject covers matters such as the technology used, legislation, compliance, ethics, pharmaceutical science, patient safety, clinical aspects and competency standards.

Typical availability

Spring semester, City campus

96006 Integrated Therapeutics 1

6cp; 6hpw, on campus
Requisite(s): 96005c Professional Services 2 AND 96007c Drug Disposition AND 96008c Evidence Based Practice AND 96001c Introduction to Pharmacy AND 96002 Concepts in Pharmaceutical Sciences AND 96003 Pharmaceutics AND 96004 Professional Services 1 AND 96015 Clinical Practice 1
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject focuses on the optimal use of pharmacotherapy in the management of cardiovascular, respiratory, gastrointestinal and infectious diseases. The epidemiology, pathophysiology, diagnosis and clinical presentation of illness and disease are reviewed. Using an integrated approach, treatment and management options are considered with reference to relevant pharmacology, medicinal chemistry, formulation, pharmacokinetics and clinical properties of targeted therapies.

Typical availability

Spring semester, City campus

96007 Drug Disposition

6cp; 6hpw, on campus; availability: students enrolled in the Master of Pharmacy course only
Requisite(s): 96002c Concepts in Pharmaceutical Sciences AND 96003 Pharmaceutics AND 96005c Professional Services 2 AND 96006c Integrated Therapeutics 1 AND 96008c Evidence Based Practice
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject covers the principle topics in the pharmacokinetics, pharmacogenetics and pharmacodynamics required for applied therapeutics and practice. Core topics include: monoexponential kinetics; multiexponential kinetics; intravenous infusions; multiple dosing and dosage regimen design; non-linear kinetics; drug absorption; bioequivalence; drug distribution; drug metabolism; drug elimination; metabolite kinetics; pharmacodynamics; and toxicology. Advanced topics cover factors affecting drug efficacy including drug interactions and sources of variability (including the role of pharmacogenetics) in therapeutic outcomes. Applied topics include therapeutic drug monitoring and drug individualisation, and adverse drug reactions.

Typical availability

Spring semester, City campus

96008 Evidence Based Practice

6cp; 6hpw, on campus
Requisite(s): 96001c Introduction to Pharmacy AND 96005c Professional Services 2 AND 96006c Integrated Therapeutics 1 AND 96007c Drug Disposition
There are also course requisites for this subject. See access conditions.
Postgraduate

This subject focuses on the development of information retrieval, critical thinking and problem-solving skills. Students are introduced to the areas of evidence-based practice, pharmacoepidemiology and drug information, and their relevance to current pharmacy practice. Using current pharmacy practice examples, students develop skills in finding drug information, performing literature searches, critically evaluating the literature and applying evidence-based practice principles to ensure quality use of medicines.

Typical availability

City campus, Spring semester

96009 Professional Services 3

6cp
Requisite(s): 96005 Professional Services 2
There are also course requisites for this subject. See access conditions.

An increasing role for pharmacists in optimising clinical outcomes is to help patients and prescribers in the selection and use of medications and devices. Medication management reviews, particularly for patients who have multiple chronic pathologies, are an expanding part of pharmacy practice. This subject deals with management services such as the Medicines Utilisation Review, Home Medication Reviews, and Residential Medication Management Reviews carried out in Australian and international contexts. This subject also explores the role of pharmacists in hospital, residential care and community settings. It builds on earlier work dealing with communication and behavioural models, and analysing and applying strategies for in-depth communication with patients, carers and prescribers. Aspects such as the technology used, legislation, adherence, ethics, pharmaceutical science, patient safety, pathology, clinical aspects and competency standards are addressed in the context of pharmacy service delivery.

96010 Integrated Therapeutics 2

6cp
Requisite(s): 96006 Integrated Therapeutics 1
There are also course requisites for this subject. See access conditions.

Building on Integrated Therapeutics 1, this subject focuses on the optimal use of pharmacotherapy in the management of neurologic, endocrine, rheumatologic, dermatologic and mental health disorders. The epidemiology, pathophysiology, diagnosis and clinical presentation of illness and disease are reviewed. Using an integrated approach, treatment and management options are considered with reference to relevant pharmacology, medicinal chemistry, formulation, pharmacokinetics and clinical properties of targeted therapies.

96011 Primary Health Care

6cp
Requisite(s): 96006 Integrated Therapeutics 1
There are also course requisites for this subject. See access conditions.

Pharmacists are said to be the first point of contact with consumers for their health care and wellness needs. The results of these pharmacy consultations could be referral to medical practitioners and other care providers, the supply of non-prescription medication, or over-the-counter advice. This subject provides students with the knowledge and skills to make appropriate clinical decisions to help consumers self-manage, or seek further health advice. Diseases, symptoms, non-prescription medication, screening and treatments are covered. The role of pharmacy in disease prevention, health promotion and wellness theory and practice is explored, using anti-smoking measures, weight management and lifestyle changes as examples.

96012 Professional Services 4

6cp
Requisite(s): 96009c Professional Services 3
There are also course requisites for this subject. See access conditions.

The burden of chronic disease, the ageing of the population, new therapies, earlier diagnosis and increasing health care costs are subjecting the health care system to increasing pressure. Disease state management services for chronic diseases such as asthma, diabetes, mental health, cancer and cardiovascular issues are evolving to reduce morbidity and mortality. Different models and processes of disease state management are reviewed and applied including optimising the role of patients in self-management of the disease. Pharmacists, along with other health care providers, are involved in various forms of dependent and independent prescribing. These different methods of prescribing are covered. Models for in-depth inter-professional communication and behaviour within health care teams are analysed and applied. Service delivery takes into account matters such as the technology used, legislation, compliance, ethics, pharmaceutical science, pathology, patient safety, clinical aspects, inter-professional relationships, and roles and competency standards for the delivery of the service.

96013 Integrated Therapeutics 3

6cp
Requisite(s): 96010c Integrated Therapeutics 2
There are also course requisites for this subject. See access conditions.

Building on Integrated Therapeutics 1 and 2, this subject focuses on the optimal use of pharmacotherapy in the management of renal, gynaecological, obstetric and malignant disorders. The epidemiology, pathophysiology, diagnosis and clinical presentation of illness and disease are reviewed. Using an integrated approach, treatment and management options are considered with reference to relevant pharmacology, medicinal chemistry, formulation, pharmacokinetics and clinical properties of targeted therapies. The use of pharmacotherapy in special populations (paediatrics, geriatrics, palliative care) is highlighted.

96014 Molecule to Market

6cp
Requisite(s): 96002c Concepts in Pharmaceutical Sciences
There are also course requisites for this subject. See access conditions.

This subject covers the drug development process from laboratory to patient - a high risk, high cost but high reward process. One in 10,000 screened compounds make it to market. The subject outlines the stages of the pharmaceutical research and development of a drug. The process begins with drug discovery that can take five years in assessing 10,000 compounds. Of these 10,000 compounds, 250 have pre-clinical studies conducted that can take upwards of two years. Of these 250 compounds, only five make it to clinical trials, which can take six years. This includes phase 1 to phase 3 efficacy and safety clinical studies. Of these five compounds, only one will have the necessary chemistry, pre-clinical and clinical data for a regulatory dossier to be compiled and submitted to the Therapeutic Goods Administration (TGA) in Australia. The TGA is responsible for evaluating the efficacy, safety and quality of new drugs. Access to medicines for patients involves product registration via the TGA and pricing reimbursement via the Pharmaceutical Benefits Division (PBD). This subject also outlines what is involved in successfully registering a medicine and listing it with the Pharmaceutical Benefits Scheme (PBS).

96015 Clinical Practice 1

6cp

This subject practically applies the theory learned and the skills developed through coursework to the real-life practice environment. Students spend dedicated periods of time in a supervised practice setting, utilising their knowledge and skills to optimise the use of pharmacotherapy in the: management and care of patients; delivery of health services and interventions (e.g. health promotion activities); and / or quality use of medicines projects. Students maintain a clinical portfolio to demonstrate their professional development according to PSA National Competency Standards Framework for Pharmacists in Australia and SHPA Standards of Practice. This subject focuses on experiential learning in the community practice environment through weekly half-day placements as well as block placements.

96016 Clinical Practice 2

12cp; 4hpw, off-campus, (weekly placement); 35hpw, online, (virtual placement: two weeks); 35hpw, off-campus, (block placement: four weeks)
Requisite(s): 96015c Clinical Practice 1
There are also course requisites for this subject. See access conditions.
Postgraduate

Clinical placements help students to practically apply the theory learned and the skills developed through coursework to the real-life practice environment. Students spend dedicated periods of time in a supervised practice setting, observing the role of the pharmacist within the health care system, and utilising their knowledge and skills to optimise the use of pharmacotherapy in the management and care of patients, delivery of professional services and interventions (e.g. health promotion activities), and / or quality use of medicines projects. Students maintain an e-portfolio to demonstrate their learning and professional development.

The subject focuses on experiential learning in the clinical practice (community, hospital, clinic) environment.

Typical availability

City campus, Spring semester

City campus, Summer session

96017 Clinical Practice 3

6cp

Requisite(s): 96016 Clinical Practice 2

There are also course requisites for this subject. See access conditions.

Building on the previous Clinical Practice subjects, this subject applies the theory learnt and the skills developed through coursework in elective, focused placements. Students choose from a range of pharmacy settings: community pharmacy, hospital pharmacy, pharmaceutical industry, rural settings, compounding sites, specialist clinics, and professional organisations. Supervised clinical practice enables students to apply their knowledge and skills to optimise the use of pharmacotherapy in: management and care of patients; delivery of health services and interventions (e.g. health promotion activities); and/or quality use of medicines projects. In their clinical portfolio, students relate their professional development to the PSA National Competency Standards Framework for Pharmacists in Australia and the SHPA Standards of Practice. Students may undertake specific projects to explore and/or facilitate the use of medicines, including health promotion activities, clinical audits, evaluation of interventions, development of resources, and activities to support special populations (e.g. Indigenous health and aged care).

96020 Pharmacy Research Project A

6cp; availability: Master of Pharmacy students only

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and where appropriate an industry or external co-supervisor, to formulate the scope of the research project, including planning the research work. Students are responsible for writing the proposal, carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up the findings as a draft manuscript which may be eligible for publication. The draft manuscript typically includes an introduction to the project, a description of the methods used, a description of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with school approval. Students should approach potential supervisors about project availability in the first instance and then complete and submit a Research Project Application form for consideration. A project proposal and the final draft manuscript is assessed by school members external to the project. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

Typical availability

Autumn semester, City campus

96021 Pharmacy Research Project B

6cp; availability: Master of Pharmacy students only

In this subject students undertake a short research investigation under the supervision of a member of academic staff. Students contribute, in collaboration with their UTS supervisor and where appropriate an industry or external co-supervisor, to formulate the scope of the research project, including planning the research work. Students are responsible for writing the proposal, carrying out the work, including appropriate and critical analysis of the data or information obtained, and writing up the findings as a draft manuscript which may be eligible for publication. The draft manuscript typically includes an introduction to the project, a description of the methods used, a description of the results obtained plus any analysis undertaken and a discussion of the results in the context of the relevant literature.

Due to supervisory and infrastructure constraints, places in this subject are limited and it can only be undertaken with school approval. Students should approach potential supervisors about project availability in the first instance and then complete and submit a Research Project Application form for consideration. A project proposal and the final draft manuscript is assessed by school members external to the project. Where the project involves laboratory or fieldwork, a completed risk assessment form must also be provided with the approval request. Ethics approval is required for certain projects.

Typical availability

Spring semester, City campus

96723 Research Dissertation 1 (GSH)

24cp

For subject description, contact UTS: Pharmacy.

96724 Research Dissertation 2 (GSH)

24cp

Requisite(s): 96723 Research Dissertation 1 (GSH)

There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Pharmacy.

97101 Chinese Language and Culture 1

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

This subject is designed for students with no previous knowledge of Chinese. It enables students to meet their communication needs in everyday social interaction in China and other Chinese-speaking communities, not only by developing basic skills in listening, speaking, reading and writing, but also by developing an understanding of Chinese culture. By the end of this subject students are able to interact with native speakers in a simple and culturally appropriate way by making statements and asking and answering questions on very familiar topics. They understand common words and basic phrases concerning themselves, their families and their immediate surroundings, when people speak slowly and clearly. Pinyin, the official transcription system, is used as a guide to the pronunciation of the Chinese language, and students learn to recognise approximately 300 characters and read familiar names, words and very simple sentences. Students are able to write short, simple notes, messages or postcards, fill in forms with personal details and understand and appreciate aspects of Chinese culture.

Typical availability

Autumn semester, City campus

97102 Chinese Language and Culture 2

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97101 Chinese Language and Culture 1

This subject is designed for students who have successfully completed Chinese 1 or its equivalent. It continues to develop students' communicative competence in basic social interactions and their knowledge of Chinese culture. Students learn to communicate in simple and routine tasks on familiar topics and activities and handle very short social exchanges. They learn to understand phrases and vocabulary related to areas of immediate personal relevance and to catch the main point in short, clear, simple messages. They learn to use Pinyin to acquire a sound basis of Chinese pronunciation and intonation, recognise approximately 600 characters, and read short, simple texts written in characters. Students learn to write brief notes, messages, diary entries and very simple personal letters, and understand aspects of Chinese culture and society.

Typical availability

Spring semester, City campus

97103 Chinese Language and Culture 3

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97102 Chinese Language and Culture 2

This subject is designed for students who have successfully completed Chinese 2 or its equivalent. It develops students' oral communicative proficiency to satisfy their basic survival needs and to enhance their ability to use Chinese characters by gradually introducing more written texts. Students learn to deal with most situations in areas where the language is spoken and to understand the main points of clear standard speech when the delivery is relatively slow and clear. They also learn to enter unprepared into conversation on topics that are of personal interest or pertinent to everyday life. They acquire approximately 1200 characters and understand texts that consist of everyday language. Students are also taught to write simple connected texts and to describe personal experiences and impressions, and acquire a knowledge and appreciation of Chinese culture and society.

Typical availability

Autumn semester, City campus

97104 Chinese Language and Culture 4

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97103 Chinese Language and Culture 3

This subject is designed for students who have successfully completed Chinese 3 or its equivalent. It further develops students' communicative competence to enable them to interact with native speakers of Chinese in a range of basic social situations. Great emphasis is placed on the introduction of more written texts which allow students to use Chinese characters more confidently. Students learn to understand extended speech and follow the lines of argument on reasonably familiar topics, and interact with Chinese speakers with a degree of fluency and spontaneity, participate in discussion and express personal viewpoints in familiar contexts. Students acquire approximately 1600 characters, and read and understand literary prose and articles concerned with contemporary problems. Students learn to write clear and detailed texts related to personal interests, and understand Chinese culture and Chinese ways of thinking.

Typical availability

Spring semester, City campus

97105 Chinese Language and Culture 5

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97104 Chinese Language and Culture 4

This subject is designed for students who have successfully completed Chinese 4 or its equivalent. It aims to further develop students' communicative competence in general social interactions with a focus on developing their practical writing skills. By the end of this subject, students are able to use the language and express themselves flexibly and effectively for social purposes. They are able to understand extended and more complex speech, and understand the main points of common radio, TV programs and films. Students are able to acquire approximately 2000 characters, and read and comprehend long and complex texts with a range of written styles. They are able to write clear, well-structured texts, discussing social and cultural issues with personal points of view and understand Chinese culture and contemporary Chinese society.

Typical availability

Autumn semester, City campus

97106 Chinese Language and Culture 6

8cp; 2hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97105 Chinese Language and Culture 5

This subject is designed for students who have successfully completed Chinese 5 or its equivalent. It further develops students' reading and writing skills while reinforcing their communicative competence in general social interactions. Students learn to take part effortlessly in any conversation or discussion, and have a good familiarity with idiomatic expressions and colloquialisms. They learn to understand the majority of TV and radio programs and films, acquire about 2500 characters, and learn to read with ease virtually all forms of written texts such as reports, essays and literary works. They also learn to write clear, smoothly-flowing text in an appropriate style and have a deep understanding of Chinese culture and contemporary Chinese society.

Typical availability

Spring semester, City campus

97109 Chinese Mass Media

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97107 Chinese Language and Culture 7 OR 97108 Chinese Language and Culture 8 OR 97110 Twentieth Century Chinese Fiction OR 97111 Chinese Festivals and Ceremonies OR 97112 Chinese Film

This subject is designed for students who have a good knowledge of Chinese. It aims to develop a high level of communicative competence using various formats and current knowledge about contemporary China. The teaching focuses on understanding varieties of media sources, including daily news, newspaper/magazine articles and current affairs reports. Students are exposed to a range of Chinese texts to develop their knowledge of listening and speaking capabilities through watching CCTV daily news, class discussions and other activities. By the end of this subject, students are able to read newspaper/magazine articles and understand daily news on TV with ease. They also acquire good skills for selecting and summarising the contents of various media sources and writing essays on a topic about China.

Typical availability

Autumn semester, City campus

Spring semester, City campus

97110 Twentieth Century Chinese Fiction

8cp; 2hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97107 Chinese Language and Culture 7 OR 97108 Chinese Language and Culture 8 OR 97109 Chinese Mass Media OR 97111 Chinese Festivals and Ceremonies OR 97112 Chinese Film

This subject is designed for students who have successfully completed Chinese 9, Chinese Ceremonies and Festivals, Chinese Film, Chinese Mass Media, or who are native speakers of Modern Standard Chinese. It develops students towards a high level of communicative competence in reading and writing, and an understanding of modern and contemporary Chinese society. It does this by exposing them to a range of texts of twentieth-century Chinese literature and history, language and culture, as well as documentaries and films. Students gain a general understanding of modern Chinese literature and are able to acquire language varieties in Modern Standard Chinese with the ability to use them appropriately. Students also develop a critical way of thinking and write reviews and essays of about 3000 characters.

Typical availability

Autumn semester, City campus

97111 Chinese Festivals and Ceremonies

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97106 Chinese Language and Culture 6 OR 97112 Chinese Film OR 97107 Chinese Language and Culture 7 OR 97108 Chinese Language and Culture 8 OR 97109 Chinese Mass Media OR 97110 Twentieth Century Chinese Fiction

This subject is designed for students with functional competence in oral and written Chinese. It aims to develop a high level of communicative capacity and cultural awareness using various formats and current knowledge about Chinese language and culture. The teaching focuses on major Chinese festivals and ceremonies. Students are exposed to a range of Chinese texts to develop their knowledge of Chinese culture as lived experience and understanding of Chinese ideas, beliefs and values embedded in daily practices and cultural conventions. They are also provided with opportunities to improve their oral and written communicative skills through class discussions, debates, oral presentations, reading, and writing. By the end of this subject, students have gained a good understanding of Chinese cultural traditions and conventions as well as a sound knowledge of Chinese festivals and ceremonies; at the same time, they have enhanced their speaking, reading and writing proficiency in Chinese. The subject is taught in Chinese.

Typical availability

Autumn semester, City campus

Spring semester, City campus

97112 Chinese Film

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97106 Chinese Language and Culture 6 OR 97111 Chinese Festivals and Ceremonies OR 97107 Chinese Language and Culture 7 OR 97108 Chinese Language and Culture 8 OR 97109 Chinese Mass Media OR 97110 Twentieth Century Chinese Fiction

This subject is designed for students with functional competence in oral and written Chinese. It aims to develop a high level of communicative capacity and cultural awareness using feature films of the Post-Mao era. Students are exposed to some of the best films of the last three decades to develop their knowledge of Chinese culture as lived experience and their understanding of social change in China. They are also provided with opportunities to improve their listening, speaking, reading and writing skills through class discussions, debates, oral presentations, reading, and writing. By the end of this

Access conditions are available in the individual subject descriptions in the online handbook.

subject, students have gained a good understanding of a broad range of cultural practices and social change over the last three decades; at the same time, they have enhanced their proficiency in Chinese. The subject is taught in Chinese.

Typical availability

Autumn semester, City campus

Spring semester, City campus

97201 Japanese Language and Culture 1

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

This is the first unit in the Japanese Language and Culture program. It is designed as a first step in providing students with the basic survival language skills and sociocultural awareness to enable them to undertake in-country study in Japan.

While focusing primarily on the development of speaking and listening skills, the subject also provides a working knowledge of the hiragana and katakana scripts and approximately 50 kanji. Discussions of sociolinguistic and cross-cultural issues are an integral part of the language lessons.

The subject focuses on the development of skills required for the most basic predictable situations in which the speaker might initially be required to communicate.

This subject forms the basis for further study (Japanese 2).

Typical availability

Autumn semester, City campus

97202 Japanese Language and Culture 2

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97201 Japanese Language and Culture 1

This subject is designed for students who have completed Japanese 1 or its equivalent. It aims to further develop students' communicative competence on a range of topics, including discussions on families, making appointments and visiting people.

By the end of this subject, students should be able to demonstrate the language and sociocultural skills required to establish and develop relationships, and to fulfil basic survival needs in a Japanese-speaking environment.

By the completion of this subject, students are expected to be able to read and write 150 kanji. This subject lays the basis for further studies in Japanese language and culture (Japanese 3).

Typical availability

Spring semester, City campus

97203 Japanese Language and Culture 3

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97202 Japanese Language and Culture 2

This subject is designed for students who have completed Japanese 2 at UTS or its equivalent. It is also the entry point for students who have completed HSC Japanese (Continuers). Informal spoken Japanese is introduced in this subject. The aim of the subject is to develop students' spoken skills and their sociocultural awareness of when to use the different language registers according to social relationships in Japanese. By the end of this subject, students are expected to have developed their listening and spoken skills to the level where they can communicate effectively in a range of everyday situations. Students are expected to be able to read and write approximately 250 kanji by the end of this subject.

This subject lays the basis for further studies in Japanese language and culture (Japanese 4).

Typical availability

Autumn semester, City campus

97204 Japanese Language and Culture 4

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97203 Japanese Language and Culture 3

This subject is designed for students who have completed Japanese 3 or its equivalent. In this subject students consolidate their skills in listening, reading, writing and speaking. It is designed to broaden students' knowledge of Japanese language and culture. Upon completion of this subject students should be able to interact in limited social, academic and work contexts with Japanese speakers and are expected to be able to read and write approximately 350 kanji. The learning of the sociocultural use of the language is an integral part of this subject. Students are also required to use a range of resources that facilitate independent language learning.

This subject lays the basis for further studies in Japanese language and culture (Japanese 5).

Typical availability

Spring semester, City campus

97205 Japanese Language and Culture 5

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97204 Japanese Language and Culture 4

This subject is the third in a series of four subjects in the post-HSC series, and is for those who have successfully completed either Japanese 4 or its equivalent. It aims to further develop listening, speaking, reading, writing and cultural skills.

The subject focuses on the development of language skills and cultural sensitivity required in formal and informal situations which occur in both routine social, and limited vocational areas. It forms the basis for further study (Japanese 6, usually only run in Autumn semester).

Typical availability

Autumn semester, City campus

97206 Japanese Language and Culture 6

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97205 Japanese Language and Culture 5

This subject subject aims to consolidate and further improve students' oral performance and report-writing skills and their cultural sensitivity in both formal and informal situations. By the end of this subject, students are expected to have achieved minimal vocational proficiency and be able to speak the language with sufficient structural accuracy and vocabulary to participate effectively in limited conversations on social and vocational topics. By the end of the subject, students are expected to be able to read and write approximately 600 kanji. The learning of the sociocultural use of the language is an integral part of this subject. Students are also required to use a range of resources that facilitate independent language learning.

This subject lays the basis for further studies in Japanese language and culture (Japanese 7).

Typical availability

Spring semester, City campus

97207 Japanese Films and Popular Culture

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97206 Japanese Language and Culture 6 OR 97208 Japanese Language and Identity OR 97209 Japanese Media and Current Issues OR 97210 Transcultural Communication in Japanese

This subject is designed to provide students who have successfully completed Japanese 6 or its equivalent with the ability to consolidate and extend their knowledge of Japanese in preparation for a period of in-country study in Japan.

Throughout this subject, students are expected to continue to develop the communication skills required to function effectively in academic contexts in Japan. In the first half of the subject, the focus is on the development of academic reading and writing skills and the acquisition of vocabulary based on reading, understanding and discussing various topics and viewpoints on the interrelationships between Japanese language and culture. In the second half of the subject, the focus is on the comprehension of university lectures in Japan, with an emphasis on the development of listening and note-taking skills. In terms of literacy development, students are expected to be able to recognise and pronounce the kanji introduced in the subject materials, to increase their pace of reading as a result of regular and habitual reading and improved dictionary skills, and to be able to write an increasing number of kanji as required for specific academic tasks.

Typical availability

Autumn semester, City campus

97208 Japanese Language and Identity

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97206 Japanese Language and Culture 6 OR 97207 Japanese Films and Popular Culture OR 97209 Japanese Media and Current Issues OR 97210 Transcultural Communication in Japanese

This subject is designed to provide students who have successfully completed Japanese 7 or its equivalent with the ability to consolidate and extend their knowledge of Japanese. The main focus of this subject is on the further development of presentation skills and the skills required to undertake research in Japanese.

Throughout the subject, students are expected to actively engage in academic reading and writing and participate in classroom discussions. In terms of literacy development, students are expected to increase their pace of reading as a result of regular and habitual reading, and to be able to write and recognise an increasing number of kanji as required for specific academic tasks.

Typical availability

Spring semester, City campus

97209 Japanese Media and Current Issues

8cp

Requisite(s): 97206 Japanese Language and Culture 6 OR 97207 Japanese Films and Popular Culture OR 97208 Japanese Language and Identity OR 97210 Transcultural Communication in Japanese

This subject is designed for students who have successfully completed Japanese 6 or its equivalent (600-800 hours of formal study of Japanese), and have sufficient language competence in understanding authentic spoken and written Japanese with some aid of a dictionary. Students examine current issues in Japanese media through: reading articles, essays and commentaries from a variety of sources; watching documentary films and news programs; class discussions; and researching a current issue to write a report and give a presentation. The subject aims to provide students with considerable opportunities to explore the contexts of current issues in order to gain deeper understandings of cultural aspects which underlie them. Throughout this subject, students are expected to consolidate and extend their knowledge of the Japanese language in preparation for a period of in-country study in Japan, as well as adopt a critical approach to cultural phenomena in both Japan and their own country. The subject is taught in Japanese.

97210 Transcultural Communication in Japanese

8cp

Requisite(s): 97206 Japanese Language and Culture 6 OR 97207 Japanese Films and Popular Culture OR 97208 Japanese Language and Identity OR 97209 Japanese Media and Current Issues

This subject is designed to provide students considerable opportunities to engage with Japanese culture, language and people. Students will examine the socio-cultural context in which the language is used under globalisation. It questions what constitutes Japanese language and culture and what it means to speak in Japanese with people of different cultural background in a transcultural environment where cultural and linguistic diversity and mobility are prominent across borders. Students are required to read or otherwise prepare extensively in preparation for classroom presentations, discussions and debates.

97401 French Language and Culture 1

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

This subject is designed to provide students, who have no prior knowledge of the French language, with basic reading, listening, speaking and writing skills in French. The subject allows for an understanding of the sociocultural context in which the language is used. By the end of the semester, students are able to understand and use familiar words and basic sentence structures. They learn to answer and ask simple questions about themselves and others, describe people and surroundings, give directions and interact in a simple way on a familiar topic such as an invitation to go out or a restaurant situation.

Typical availability

Autumn semester, City campus

97402 French Language and Culture 2

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97401 French Language and Culture 1

This subject is designed to provide students who have little prior knowledge of the French language with basic reading, listening, speaking and writing skills in French. The subject allows for an understanding of the sociocultural context in which the language is used. By semester's end students are expected to communicate simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities, and use a wide range of grammatical concepts and familiar vocabulary in spoken and written French.

Typical availability

Spring semester, City campus

97403 French Language and Culture 3

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97402 French Language and Culture 2

This subject is designed to provide students who have some knowledge of French, with further skills in reading, listening, speaking and writing. The subject allows for an understanding of the sociocultural context in which the language is used. In addition to basic grammatical concepts, this subject encourages students to explore more complex structures such as hypotheses, causes, consequences, probabilities and improbabilities. Students take active part in discussions on subjects related to topical issues, including debating their pros and cons.

Typical availability

Autumn semester, City campus

97404 French Language and Culture 4

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97403 French Language and Culture 3

This subject is designed to provide students who have some knowledge of French with further skills in reading, listening, speaking and writing. The subject allows for an understanding of the sociocultural context in which the language is used. In addition to basic grammatical concepts, students are encouraged to explore more complex constructions such as writing formal letters and recognising literary French. They take active part in discussions on topical issues and are introduced to situations likely to arise while travelling in an area where the language is spoken.

Typical availability

Spring semester, City campus

97405 French Language and Culture 5

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97404 French Language and Culture 4

This subject is designed to provide students with a good understanding of French, with further skills in reading, listening, speaking and writing. The subject allows for an understanding of the sociocultural context in which the language is used. Students learn to use spoken and written language flexibly and effectively, presenting clear, detailed descriptions of complex subjects and expressing points of view on social and contemporary issues.

Typical availability

Autumn semester, City campus

97406 French Language and Culture 6

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97405 French Language and Culture 5

This subject is designed to provide students with a good understanding of French with further skills in reading, listening, speaking and writing. The subject allows for an understanding of the sociocultural context in which the language is used. By the end of the semester, students are expected to be able to express themselves fluently and spontaneously on a variety of topics explored in class, particularly issues related to society, culture and politics as well as situations likely to arise while travelling in an area where the language is spoken.

Access conditions are available in the individual subject descriptions in the online handbook.

Typical availability

Spring semester, City campus

97407 Francophone Identities in Conflict

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97406 French Language and Culture 6 OR 97408 Show and Tell: Francophone Cultures on Display OR 97409 Francophone Cultures of Consumption OR 97410 Places and Spaces of the Francophone World

This subject is designed to provide students who have little or no difficulty in understanding and writing French with proficiency in reading, listening, speaking and writing in the language as well as considerable opportunities to engage with francophone culture. Students examine the sociocultural context in which the language is used, specifically with regard to questions of identity and conflict in the francophone world. Via written and oral assessments that demonstrate continuing mastery of the French language, students engage with a variety of historical and contemporary sources in a manner that considers their cultural provenance and role. Students are required to read or otherwise prepare extensively in preparation for classroom presentations, discussions and debates.

Typical availability

Autumn semester, City campus

97408 Show and Tell: Francophone Cultures on Display

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97406 French Language and Culture 6 OR 97407 Francophone Identities in Conflict OR 97409 Francophone Cultures of Consumption OR 97410 Places and Spaces of the Francophone World

This subject is designed to provide students who have little to no difficulty in understanding and writing French with proficiency in reading, listening, speaking and writing in the language as well as considerable opportunities to engage with Francophone culture. Students examine the socio-cultural context in which the language is used, specifically with regard to its interactions with visual media and/or performance in the Francophone world. Via written and oral assessments that demonstrate continuing mastery of the French language, students engage with these visual-linguistic sources in a manner which considers their cultural provenance and role. Students are required to read or otherwise prepare extensively in preparation for class.

Students are called on to analyse major linguistic aspects of texts and engage with their visual elements (films, television shows, advertisements, graphic novels, bandes dessinées, plays, etc.). They develop a sound understanding of Francophone culture and the relationship between language and visual culture through group discussions, individual and group presentations, writing, independent research, and the production of an original work that emphasises the French language and the visual and/or performative.

Typical availability

Spring semester, City campus

97409 Francophone Cultures of Consumption

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97406 French Language and Culture 6 OR 97407 Francophone Identities in Conflict OR 97408 Show and Tell: Francophone Cultures on Display OR 97410 Places and Spaces of the Francophone World

This subject is designed to provide students, who have little or no difficulty in understanding and writing French, with both proficiency in reading, listening, speaking and writing in the language and considerable opportunities to engage with Francophone culture. Students examine the socio-cultural context in which the language is used, specifically with regard to its interactions with consumer culture (broadly defined) in the Francophone world. Via written and oral assessments that demonstrate continuing mastery of the French language, students engage with source texts and objects in a manner that considers their cultural provenance and role. Students are required to read or otherwise prepare extensively in preparation for classroom presentations, discussions and debates.

97410 Places and Spaces of the Francophone World

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97406 French Language and Culture 6 OR 97407 Francophone Identities in Conflict OR 97408 Show and Tell: Francophone Cultures on Display OR 97409 Francophone Cultures of Consumption

This subject is designed to provide students, who have little or no difficulty in understanding and writing French, with both proficiency in reading, listening, speaking and writing in the language, and considerable opportunities to engage with Francophone culture. Students examine the socio-cultural context in which the language is used, specifically with regard to its interactions with place and the environment in the Francophone world. Via written and oral assessments that demonstrate continuing mastery of the French language, students engage with a variety of authentic sources in a manner that considers their cultural provenance and role. Students are required to read or otherwise prepare extensively in preparation for classroom presentations, discussions and debates.

97501 Spanish Language and Culture 1

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

This subject aims to provide students who have no prior knowledge of the Spanish language with a range of basic survival skills in order to express their immediate needs in Castilian and Latin American Spanish. Students learn how to give basic information and respond in a culturally and socially appropriate manner in oral and written forms. The four language skills of listening, speaking, reading and writing, both individually and in combination, are developed using authentic materials covering a variety of everyday situations. Signs, menus, narratives and other cultural texts are used for learning and students are taught to write messages or letters using familiar register. Students develop skills for planning, organising and presenting their ideas in Spanish and develop a basic understanding and appreciation of aspects of the cultures of Spanish-speaking peoples.

In addition to the four hours of teaching, students undertake independent learning study outside class time. This independent study is based on selected readings and exercises. Its aim is to expand the student's knowledge of the language and Hispanic cultures and is organised through individual and group tasks, including online activities.

All students undertaking language and culture study at UTS for the first time need to complete a level assessment form, obtained from UTS: International Studies, to ensure that they are placed in an appropriate level for classes. UTS: International Studies reserves the right to place students in a class that is appropriate for their level of language proficiency.

Typical availability

Autumn semester, City campus

97502 Spanish Language and Culture 2

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97501 Spanish Language and Culture 1

This subect is the second in a series of four subjects designed to provide students with no prior knowledge of the Spanish language with the basic survival skills in language and culture required to undertake in-country study in Latin America and Spain.

Emphasis is given to the development of speaking and listening skills required to establish and maintain relationships in social or work-related spheres, and fulfil basic survival needs in a Spanish-speaking environment. Students also expand their reading and writing skills. In addition the subject focuses on the development of sociocultural understanding relevant to appropriate language use.

The subject consists of 52 hours of classroom instruction. The approach adopted is communicative and provides students with many opportunities to interact and use the language in a meaningful way in various social and cultural contexts. Audio-visual equipment is used to facilitate learning.

This subject forms the basis for further study (Spanish3).

Typical availability

Spring semester, City campus

97503 Spanish Language and Culture 3

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97502 Spanish Language and Culture 2

This subject aims to provide students who have a good knowledge of the Spanish language with a broad range of social situations in order to express their needs in Castilian and Latin American Spanish. Students learn how to give precise information and respond in a culturally and socially appropriate manner in oral and written forms. The four language skills of listening, speaking, reading and writing, both individually and in combination, are further developed using authentic materials covering a variety of situations. Narratives, autobiographies and a variety of other cultural texts are used for learning and students are taught to write accounts, biographies, letters and to discuss future plans using familiar register. Students further develop skills for planning, organising and presenting their ideas in Spanish and develop a wide understanding and appreciation of aspects of the cultures of Spanish-speaking peoples.

In addition to the four hours of teaching, students undertake independent learning study outside class time. This independent study is based on selected readings and exercises. Its aim is to expand the student's knowledge of the language and Hispanic cultures and is organised through individual and group tasks, including online activities.

All students undertaking language and culture study at UTS for the first time need to complete a level assessment form, obtained from UTS: International Studies, to ensure that they are placed in an appropriate level for classes. UTS: International Studies reserves the right to place students in a class that is appropriate for their level of language proficiency.

Typical availability

Autumn semester, City campus

97504 Spanish Language and Culture 4

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97503 Spanish Language and Culture 3

This subject is the fourth in a series of four subjects designed for students with no prior knowledge of the Spanish language, or first in a series of four units for students who have successfully completed HSC Spanish, or its equivalent. It provides students with basic survival skills in language and culture and the ability to undertake in-country studies in Latin and South America.

This subject aims to consolidate and further improve the skills of aural comprehension and oral performance as well as reading and writing. In addition, it covers aspects of the literature and lifestyle of Latin America and Spain.

Typical availability

Spring semester, City campus

97505 Spanish Language and Culture 5

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97504 Spanish Language and Culture 4

This subject aims to provide students who have a firm knowledge of the Spanish language with a broad range of social situations in order to express their needs and ideas in Castilian and Latin American Spanish. Students learn how to express complex ideas and respond in a culturally and socially sensitive manner in oral and written forms. The four language skills of listening, speaking, reading and writing, both individually and in combination, are further developed using authentic materials covering a variety of situations. A range of authentic reading material, including texts with regional and social variants and specific registers such as alcoholism, immigration, education, child delinquency, poverty and short stories from Spain and Latin America, are used for learning, and students are taught to write complex letters and essays expressing a point of view. Students further develop skills for planning, organising and presenting their ideas in Spanish and develop a sophisticated understanding and appreciation of aspects of the cultures of Spanish-speaking peoples.

In addition to the four hours of teaching, students undertake independent learning study outside class time. This independent study is based on Hispanic literature containing short stories, a film analysis and essays expressing a point of view. Its aim is to expand the student's knowledge of the sociocultural context and is organised through individual and group tasks, including online activities.

All students undertaking language and culture study at UTS for the first time need to complete a level assessment form, obtained from UTS: International Studies, to ensure that they are placed in an appropriate level for classes. UTS: International Studies reserves the right to place students in a class that is appropriate for their level of language proficiency.

Typical availability

Autumn semester, City campus

97506 Spanish Language and Culture 6

8cp; 2hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97505 Spanish Language and Culture 5

This subject is the sixth in a series of six subjects for students with no prior knowledge of the Spanish language, or first in a series of six subjects for students who have successfully completed HSC Spanish, or its equivalent. One of the primary aims of this subject is to consolidate and extend students' skills in reading, writing, listening and speaking and prepares them to undertake in-country study in Latin America and Spain. In addition, it covers aspects of Latin American and Spanish people and culture, through contemporary Hispanic literature.

Typical availability

Spring semester, City campus

97507 Spanish Language and Culture 7

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97506 Spanish Language and Culture 6 OR 97508 Spanish Language and Culture 8

This subject aims to provide students who have a firm command of the Spanish language, with a broad range of social and political situations in order to express their needs, ideas and arguments in Castilian and Latin American Spanish. Students learn how to communicate in Spanish within a wide range of professional and academic situations at formal and informal levels in oral and written forms. The four language skills of listening, speaking, reading and writing, both individually and in combination, are further developed using authentic materials covering a wide variety of situations. A sophisticated range of authentic material, including films, documentaries, testimonies and music with lyrics with regional and social variants and specific registers, such as Cuba, Chile and Argentina, are used for learning and students are taught to deliver talks in Spanish, engage in debating specific topics and write critical essays.

In addition to the four hours of teaching, students undertake independent learning study outside class time. This independent study is based on multimedia material including written texts, films and documentaries and essays expressing a point of view. Its aim is to expand the student's knowledge in the sociopolitical context and is organised through individual and group tasks, including online activities.

All students undertaking language and culture study at UTS for the first time need to complete a level assessment form, obtained from UTS: International Studies, to ensure that they are placed in an appropriate level for classes. UTS: International Studies reserves the right to place students in a class that is appropriate for their level of language proficiency.

Typical availability

Autumn semester, City campus

97508 Spanish Language and Culture 8

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Requisite(s): 97506 Spanish Language and Culture 6 OR 97507 Spanish Language and Culture 7

This subject aims to provide students who have a strong command of the Spanish language with a broad range of social and political situations in order to express their needs, ideas and arguments in Castilian and Latin American Spanish. Students learn further how to communicate in Spanish within a wide range of professional and academic situations at formal and informal levels in oral and written forms. The four language skills of listening, speaking, reading and writing, both individually and in combination, are further developed using authentic materials covering a rich variety of situations. A sophisticated range of authentic material, including

Access conditions are available in the individual subject descriptions in the online handbook.

films, documentaries, testimonies and music with lyrics, with regional and social variants, and specific registers, such as the Caribbean, the Andean countries, Latino-USA and Spain, are used for learning and students engage in impromptu debates of specific topics and write critical essays.

In addition to the four hours of teaching, students undertake independent learning study outside class time. This independent study is based on multimedia material including written texts, films and documentaries and essays expressing a point of view. Its aim is to expand the student's knowledge in the sociopolitical context and is organised through individual and group tasks, including online activities.

All students undertaking language and culture study at UTS for the first time need to complete a level assessment form, obtained from UTS: International Studies, to ensure that they are placed in an appropriate level for classes. UTS: International Studies reserves the right to place students in a class that is appropriate for their level of language proficiency.

Typical availability

Spring semester, City campus

97509 Spanish Language and Culture 9

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97508 Spanish Language and Culture 8

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

97510 Spanish Language and Culture 10

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97509 Spanish Language and Culture 9

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

976001 Foundations in International Studies

8cp; 3hpw; availability: exchange and study abroad students with faculty approval
Undergraduate

The aim of Foundations in International Studies is to provide students with an understanding of contemporary international issues, approaches and perspectives. The subject is taught from various disciplinary perspectives, with a strong focus on social justice and regional comparison. The objectives of the subject are to develop effective academic presentation, research and writing skills necessary to make informed arguments within international studies and to prepare students for writing and presentation techniques used in the contemporary society and in-country study subjects of the Bachelor of Arts in International Studies. This subject requires students to use multidisciplinary approaches to build understanding of key international issues. Approaches taught include comparative sociology, cultural studies, socio-linguistics, political economy, studies of ethnicity and nationalism. Issues covered include environmental change, globalisation, migration, war, languages, and national identities.

Typical availability

Autumn semester, City campus

97601 German Language and Culture 1

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

This subject aims to enable students to meet their basic communication needs in everyday social interactions in German, not only by developing skills in listening, speaking, reading and writing German, but also by developing an understanding of the cultures of German-speaking countries. By the end of this subject, students learn to understand a range of everyday written language such as counting, telling the time, instructions and simple personal correspondence. Students also learn to write simple descriptions, complete basic forms and communicate appropriately in situations such as introducing themselves, exchanging personal information, asking and giving directions and discussing daily routines and past events. They develop an understanding of aspects of German-speaking culture and their relationship to appropriate language use as well as develop strategies for long-term effective language learning.

Typical availability

Autumn semester, City campus

97602 German Language and Culture 2

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97601 German Language and Culture 1

This subject enables students to meet their basic communication needs in everyday social interactions in German, through developing skills in listening, speaking, reading and writing German in a variety of social situations. In this subject, students continue to develop an understanding of aspects of German-speaking culture and appropriate language use as well as developing strategies for long-term effective language learning.

This subject lays the basis for further studies in German Language and Culture 3.

Typical availability

Spring semester, City campus

97603 German Language and Culture 3

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97602 German Language and Culture 2

In this subject, students further develop their evolving skills in listening, speaking, reading and writing in German, as well as developing a deeper understanding of the cultures of German-speaking countries. By the end of this subject, students are able to understand simple texts, effectively and confidently express opinions on familiar social or cultural issues in written and spoken discourse, and understand the gist of news and current affairs presented as part of authentic German television or radio programs. They are also able to communicate more effectively in familiar everyday social situations as well as more specific contexts, for example the workplace or at university. Students further develop their understanding of aspects of German-speaking culture and their relationship to appropriate language use, as well as consolidate and expand strategies for long-term effective language learning.

Typical availability

Autumn semester, City campus

97604 German Language and Culture 4

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97603 German Language and Culture 3

This subject is the fourth in a series of four subjects designed for students with no prior knowledge of the German language, or second in a series of four subjects for students who have successfully completed HSC German at beginner level, or its equivalent. It aims to consolidate and further improve the skills of aural comprehension and oral performance as well as reading and writing. In addition, it covers aspects of the literature and lifestyle of Germany, and provides students with the linguistic skills to successfully take part in a course at a German university.

By the end of the subject, students are expected to have achieved the communicative competence required to satisfy more complex social and professional needs in speaking, listening, reading and writing skills and have developed an awareness of the various social and cultural contexts in which the language is used. Students develop the ability to understand the general content of magazine and newspaper articles.

This subject lays the basis for further studies in German language and culture (German Language and Culture 5).

Typical availability

Spring semester, City campus

97605 German Language and Culture 5

8cp; 2hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97604 German Language and Culture 4

This subject enables students to meet their communication needs in everyday social interactions in German, not only by developing skills in listening, speaking, reading and writing German, but also by developing an understanding of the cultures of German-speaking countries. Students gain an understanding of written texts such as newspaper and magazine articles and literature. These texts are also used as topics for discussion to develop students' listening and speaking skills in German. Students also learn to produce written texts such as a diary and a short essay. They also increase their understanding of current affairs in German-speaking countries.

Typical availability

Autumn semester, City campus

97606 German Language and Culture 6

8cp; 2hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97605 German Language and Culture 5

This subject corresponds to Level B2 (independent user) of the Common European Framework of Reference for Languages (Council of Europe). It is the fourth in a series of four subjects for students who have successfully completed HSC German, or its equivalent, or the second in the series for students doing German Language and Culture 5, 6, 7 and 8.

The subject aims to consolidate and further improve the skills of aural comprehension and oral performance as well as reading and writing in more demanding and complex situations concerning university life in Germany. In addition, it covers aspects of the literature and lifestyle of Germany, and provides students with the linguistic skills to successfully take part in a course at a German university. The subject assumes a sound knowledge of German elementary grammar and enables students to deal with more advanced grammar.

By the end of the subject, students are expected to have achieved the communicative competence required to satisfy more complex social and professional needs in speaking, listening, reading and writing skills and to have developed an awareness of the various social and cultural contexts in which the language is used. Students develop the ability to understand not only the general content of magazine and newspaper articles but also the ability to comprehend academic texts. The approach adopted is communicative and provides many opportunities for students to interact and use the language in a meaningful way in various social and cultural contexts.

Typical availability

Spring semester, City campus

97607 German Language and Culture 7

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97606 German Language and Culture 6

The subject aims to consolidate and further improve students' already considerable skills of aural comprehension and oral performance as well as reading and writing in more demanding and complex situations concerning university life in Germany and other aspects of German society. It provides students with the linguistic skills to attend a German-speaking university. The subject assumes a sound knowledge of German elementary grammar and teaches students more complex and varied structures. By the end of the subject, students are expected to be approaching the communicative competence required to satisfy complex social and professional needs in speaking, listening, reading and writing skills and have developed an understanding of the various social and cultural contexts in which the language is used. Students also expand their ability to understand the general and specific content of sophisticated magazine and newspaper articles.

Typical availability

Autumn semester, City campus

97608 German Language and Culture 8

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97607 German Language and Culture 7

This subject corresponds to Level C1 (proficient user) of the Common European Framework of Reference for Languages (Council of Europe).

The subject aims to consolidate and further improve the skills of aural comprehension and oral performance as well as reading and writing in more demanding and complex situations concerning university life in Germany and other aspects of German society. In addition, it covers aspects of the literature and lifestyle of Germany, and provides students with the linguistic skills to successfully take part in a course at a German university. The subject assumes a sound knowledge of German elementary grammar and enables students to deal with more advanced grammar.

The subject consists of four hours face-to-face classroom instruction per week. The teaching approach adopted is communicative and provides many opportunities for students to interact and use the language in a meaningful way in various social and cultural contexts.

Typical availability

Spring semester, City campus

97609 German Language and Culture 9

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97608 German Language and Culture 8

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

97610 German Language and Culture 10

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97609 German Language and Culture 9

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

976111 Contemporary China

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject deals with the politics of 'reading and writing' the People's Republic of China (PRC). It starts by examining the history of the PRC, from the Chinese Communist Party's (CCP) rise to power in 1949 to the death of Chairman Mao Zedong in 1976. A key focus is how the early CCP leadership attempted to resolve an issue that stalks the Chinese government even today, namely, the question of how to modernise China and still keep faith with the ethical imperatives of socialist transition. In doing so, the subject examines how Western commentators and mainland Chinese scholars have chosen to evaluate the Chinese revolution in different historical periods. The subject then outlines some of the enormous changes that have taken place in the PRC since the introduction of market-based reforms in December 1978. With the introduction of economic reform and opening up, China entered the postmodern, global community and now faces similar social concerns to those that inform Western societies: inflation, unemployment, environmental degradation, growing crime rates, and ethnic tensions. However, following the Chinese government's brutal suppression of the student protest movement in 1989, the PRC's response to many of these issues has been accompanied by Western criticisms of human rights' abuses and claims that the CCP has failed to abandon the 'totalitarian' politics of the now denigrated Maoist era. The subject concludes by asking students to determine whether such views are justifiable and how we should read and write present-day China.

Typical availability

Spring semester, City campus

976211 Contemporary Japan

8cp; 3hpw; availability: International Studies combined degree students; International Studies students on dual programs of study from UTS international partners; students enrolled in an International Studies sub-major; students wishing to take it as an elective; non-award students (including UTS staff and research postgraduates)
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

On completion of this subject, students have an overview of contemporary Japanese society. Students also have a grasp of the social, political and economic systems at play in Japan, how those systems interact in practice to shape culture, and a historical view of how those systems came into being. Some of the major themes students are able to analyse and discuss, using examples, include issues relating to the economic development achieved during the 20th century and current difficulties in reform. Some explanations are based on the unique and enigmatic nature of Japanese society, so students need to be able to discuss the nature of Japan. In order to be able to discuss current reform agendas in Japan, students also need to understand the formation of the workforce and fears about possible future directions of Japanese society.

Typical availability

Spring semester, City campus

976404 Contemporary Switzerland

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject has been designed to provide students with a basic understanding of contemporary Swiss history, politics, society and culture in national, continental and global contexts. In weeks 1 to 4, students follow an umbrella program, shared by all European contemporary society subjects, which introduces general issues relating to contemporary Europe: definitions of Europe, the drive to unification, internal divisions within Europe, and the impact of migration. From week 5 onwards students pursue a separate program, focusing on contemporary Switzerland. The subject provides students with critical skills that allow them to identify major contemporary issues that shape present-day Swiss society. Insights are gained into long-term and more recent history and the complex notion of Swiss identity. Topics include contemporary politics, regional, cultural and linguistic diversity, Swiss neutrality, Switzerland's role in the Second World War and its subsequent approach to that past, its relationship with the EU and broader international role. Students develop critical thinking skills relevant to the multidisciplinary nature of the subject.

Typical availability

Spring semester, City campus

976411 Contemporary France

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

The subject is designed to provide students with a basic understanding of contemporary French history, politics, society and culture in national, continental and global contexts. In weeks 1 to 4 students follow an umbrella program shared by all contemporary European society subjects, which introduces them to general issues relating to contemporary Europe: definitions of Europe, the drive to unification, internal divisions within Europe, and the impact of migration. From week 5 onwards they pursue a separate program, focusing on contemporary France. The subject provides students with critical skills that allow them to identify major contemporary issues that shape present-day French society. Insights are gained into France's long-term and more recent history and the notion of French identity within and beyond France itself. Topics include the aftermath of the Second World War, the concept and practice of the French Republic, France's 'revolutionary' aspect, France in the world, and issues relating to contemporary French culture and society. Students develop critical thinking skills relevant to the multidisciplinary nature of the subject.

Typical availability

Spring semester, City campus

976421 Contemporary Germany

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject is designed to provide students with a basic understanding of contemporary German history, politics, society and culture in national, continental and global contexts. In weeks 1 to 4 students follow an umbrella program shared by all contemporary European society subjects, which introduces them to general issues relating to contemporary Europe: definitions of Europe, the drive to unification, internal divisions within Europe, and the impact of migration. From week 5 onwards, they pursue a separate program, focusing on contemporary Germany. The subject provides students with critical skills that allow them to identify major contemporary issues that shape present-day German society. Insights are gained into German history, politics and culture since the Second World War, including East and West Germany and the post-unification period. Topics cover the contested nature of German identity and memory of Germany's past, social movements and terrorism, social reforms and economic development, education, immigration and Germany's international role. Students develop critical thinking skills relevant to the multidisciplinary nature of the subject.

Typical availability

Spring semester, City campus

976431 Contemporary Italy

8cp; 3hpw; availability: International Studies combined degree students; International Studies students on dual programs of study from UTS international partners; students enrolled in an International Studies sub-major; students wishing to take it as an elective; non-award students (including UTS staff and research postgraduates)
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject has been designed to provide students with a basic understanding of contemporary Italian history, politics, society and culture in national, continental and global contexts. In weeks 1 to 4, students follow an umbrella program shared by all contemporary European society subjects. This introduces them to general issues relating to contemporary Europe: definitions of Europe, the drive to unification, internal divisions within Europe, and the impact of migration. From week 5, students in this subject pursue a separate program, focusing on contemporary Italy. The subject provides students with critical skills that allow them to identify major contemporary issues that shape present-day Italian society. Insights are gained into Italy's history since unification (in 1861) and the contested notion of Italian identity within and beyond Italy itself. Topics cover gender, religion, education, contemporary politics, the 'southern question', emigration and immigration. Students develop critical thinking skills relevant to the multidisciplinary nature of the subject.

Typical availability

Spring semester, City campus

976451 Contemporary Spain

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject introduces students to selected aspects of contemporary Spanish history, culture and social life, and relates contemporary Spain to European and global histories. The overarching question that students are encouraged to ask and answer is 'What is Spain?' For the first four weeks of the subject students learn about general European issues: definitions of Europe, the drive to unification, internal divisions within Europe and the impact of migration. The Spain-specific lectures and seminars in the subject build from noting divergent and contradictory historical ways of conceptualising Spain,

with attention paid to the legacies of waves of immigrant peoples and empires, religions and ethnicities. The subject also pays close attention to the modern history of Spain from the Second Republic in the 1930s, through the Civil War and Franco dictatorship to the restoration of democracy in the 1980s and the change in government in 2004, with specific investigation of regional drives, tourism and the manufacturing of 'Spanishness', gender and sexual politics, and the changing political and cultural climate. Students develop critical thinking skills relevant to the multidisciplinary nature of the subject.

Typical availability

Spring semester, City campus

976502 Contemporary Latin(o) Americas

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject introduces students to the Spanish-speaking Americas and their sociocultural, political and economic dimensions. It begins with an overview of the periods of colonisation, independence and nation-state formation as stages vital to understanding Latin America's problematic insertion into Western modernity in the 20th century, and the complex interactions between the USA and the Spanish-speaking Americas since the mid-19th century. Students gain knowledge of important sociocultural and historical processes, as well as current theories, concepts and debates, in relation to patterns of change in Latin America and in an increasingly latinised USA, now the world's second largest Spanish-speaking country after Mexico. The subject links contemporary Latin American and US Latino peoples and cultures to broader processes of transnationalisation, globalisation and transculturation. The subject encourages students to develop critical skills for identifying the major contemporary issues at work in the Spanish-speaking Americas. This is a core subject for students doing the combined degree in international studies with any of the following country specialisations: Chile, Argentina, Mexico and Latino USA. Other students may take this subject as an elective. The subject requires no prior knowledge of Latin America, Latino communities in the USA, or the Spanish language.

Typical availability

Spring semester, City campus

976602 Contemporary Canada (Quebec)

8cp; 3hpw
Requisite(s): 976001 Foundations in International Studies
These requisites may not apply to students in certain courses. See access conditions.
Undergraduate

This subject aims to provide students with a basic understanding of the history, politics, society and culture of Québec (Canada). It examines the history of Québec, with a particular focus on events since the Quiet Revolution. It provides an overview of the economic and political development of Québec. Central themes in Québec society such as nationalism, independence movements and language are studied. Literature, cinema and other cultural works provide case studies in which these and other issues are examined. The subject thus introduces students to Québec's diversity and heterogeneity in regional, national, continental and international contexts. Students develop critical thinking skills relevant to the multidisciplinary nature of the subject. The subject gives students the opportunity to develop a critical appreciation of societies outside Australia.

Typical availability

Spring semester, City campus

977110 In-country Study 1: China

24cp; attendance at host university classes; availability: not offered to exchange and study abroad students
Requisite(s): 976111 Contemporary China AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the China major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

977210 In-country Study 1: Japan

24cp; attendance at host university classes; availability: not offered to exchange and study abroad students
Requisite(s): 976211 Contemporary Japan AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Japan major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977410 In-country Study 1: France

24cp; attendance at host university classes; availability: not offered to exchange and study abroad students
Requisite(s): 976411 Contemporary France AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the France major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977420 In-country Study 1: Germany

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976421 Contemporary Germany AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Germany major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977430 In-country Study 1: Italy

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976431 Contemporary Italy AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Italy major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977450 In-country Study 1: Spain

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976451 Contemporary Spain AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Spain major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977460 In-country Study 1: Switzerland

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976404 Contemporary Switzerland AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Switzerland major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977520 In-country Study 1: Chile

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976001 Foundations in International Studies AND 976502 Contemporary Latin(o) Americas
Undergraduate

This subject is the key component of the Chile major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977530 In-country Study 1: Mexico

24cp; attendance at host university classes; availability: not offered to exchange and study abroad students
Requisite(s): 976502 Contemporary Latin(o) Americas AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Mexico major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977542 In-country Study 1: Argentina

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976001 Foundations in International Studies AND 976502 Contemporary Latin(o) Americas
Undergraduate

This subject is the key component of the Argentina major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

977543 In-country Study 1: Canada

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976001 Foundations in International Studies AND 976602 Contemporary Canada (Quebec)
Undergraduate

This subject is the key component of the Canada major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

977620 In-country Study 1: Latino USA

24cp; attendance at host university classes; availability: not offered to exchange and study abroad students
Requisite(s): 976502 Contemporary Latin(o) Americas AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Latino USA major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

977911 In-country Study 1: Colombia

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 976502 Contemporary Latin(o) Americas AND 976001 Foundations in International Studies
Undergraduate

This subject is the key component of the Colombia major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject recognises that intercultural competence is integral to professional practice. It aims to foster in students a capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

97801 Italian Language and Culture 1

8cp; 4hpw; availability: exchange and study abroad students with faculty approval

Students who successfully complete this subject understand and use familiar everyday expressions and basic phrases, in both speech and writing. Students learn to communicate appropriately in situations such as introducing themselves, exchanging personal information, asking and giving directions and discussing daily routines. They also develop strategies for long-term effective language learning. Students are also taught the sociocultural context in which the language is used.

Typical availability

Autumn semester, City campus

97802 Italian Language and Culture 2

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97801 Italian Language and Culture 1

This subject caters for students at the 'upper basic' level of competence in Italian language and culture. It builds on the basic linguistic and cultural capabilities and general language learning strategies acquired through prior exposure to Italian language and culture or through Italian Language and Culture 1. Upon successful completion of the subject, students communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics, in spoken and written Italian. Students also continue to develop an understanding of aspects of the Italian culture and appropriate language use as well as developing strategies for long-term effective language learning.

Typical availability

Spring semester, City campus

97803 Italian Language and Culture 3

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97802 Italian Language and Culture 2

This subject caters for students at the 'lower intermediate' level of competence in Italian language and culture. It builds further on the linguistic and cultural capabilities and general language learning strategies acquired through prior exposure to the Italian language, or through Italian 2. Upon successful completion of the subject students communicate more effectively in familiar everyday social situations as well as more specific contexts, e.g. the workplace or at university. They understand short authentic newspaper articles and take active part in discussions on subjects related to topical issues, including debating their pros and cons.

Typical availability

Autumn semester, City campus

97804 Italian Language and Culture 4

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97803 Italian Language and Culture 3

This subject caters for students at the 'upper intermediate' level of competence in Italian language and culture. It consolidates and further expands the linguistic and cultural capabilities and general language learning strategies acquired through prior exposure to the Italian language, or through Italian 3. It enables students to understand the main ideas of complex texts on both concrete and abstract topics; interact with a degree of fluency and spontaneity; produce clear, detailed text on a wide range of subjects; and effectively explain a viewpoint on a topical issue. Students increase their knowledge of the Italian culture, assisting them in the further development of communication skills.

Typical availability

Spring semester, City campus

97805 Italian Language and Culture 5

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97804 Italian Language and Culture 4

This subject caters for students at the 'lower advanced' level of competence in Italian language and culture. It consolidates and further expands the linguistic and cultural capabilities and general language learning strategies acquired through prior exposure to the Italian language, or through Italian 4. Upon completion, students understand a wide range of texts and recognise implicit meaning; effectively express points of view on social and contemporary issues without much obvious searching for expressions; and produce clear, well-structured texts. They also increase their understanding of current affairs in Italy through watching and discussing Italian-language videos and TV programs.

Typical availability

Autumn semester, City campus

97806 Italian Language and Culture 6

8cp; 4hpw; availability: exchange and study abroad students with faculty approval
Requisite(s): 97805 Italian Language and Culture 5

This subject is designed to consolidate and further expand the linguistic and cultural capabilities and general language learning strategies acquired through prior exposure to the Italian language, or through Italian Language and Culture 5. Upon completion, students can understand a wide range of demanding, longer texts, and recognise implicit meaning; use the language flexibly, effectively and in a culturally appropriate manner; and produce clear, well-structured text, showing controlled use of organisational patterns, connectors and cohesive devices.

Typical availability

Spring semester, City campus

97807 Italian Language and Culture 7

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97806 Italian Language and Culture 6

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

97808 Italian Language and Culture 8

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97807 Italian Language and Culture 7

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

97809 Italian Language and Culture 9

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97808 Italian Language and Culture 8

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

97810 Italian Language and Culture 10

8cp; availability: exchange and study abroad students with faculty approval
Requisite(s): 97809 Italian Language and Culture 9

In some instances, and with approval from relevant major coordinators, students in the combined degree in international studies may take higher level language and culture subjects at other universities through concurrent study arrangements. Students need to plan ahead and check the deadline for when cross-institutional applications close at the other university.

978110 In-country Study 2: China

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977110 In-country Study 1: China
Undergraduate

This subject is the key component of the China major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: China to recognise that intercultural competence is integral to professional practice. In-country Study 2: China further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978134 In-country Study: Canada

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Canada is the key component of the Canada major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Canada enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Canada recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Canada. In-country Study Canada consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Canada are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Canada is a full-time 24-credit point subject, which is a full time load.

978135 In-country Study: Chile

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Chile is the key component of the Chile major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Chile enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Chile recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Chile. In-country Study Chile consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Chile are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Chile is a full-time 24-credit point subject, which is a full time load.

978136 In-country Study: China

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: China is the key component of the China major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: China enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: China recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in China. In-country Study China consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: China are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: China is a full-time 24-credit point subject, which is a full time load.

978137 In-country Study: France

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: France is the key component of the France major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: France enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: France recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in France. In-country Study France consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country

is demonstrated. The assessments and life experiences of In-country Study: France are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: France is a full-time 24-credit point subject, which is a full time load.

978138 In-country Study: Germany

24cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject is the key component of the Germany major in the MA in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. It enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. The subject recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection – in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Germany. The subject consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion in and engagement with the host country are demonstrated. The assessments and life experiences of this subject are the culmination of a student's MA in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

This is a full-time, 24-credit-point subject, which is a full-time load.

978139 In-country Study: Italy

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Italy is the key component of the Italy major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Italy enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Italy recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Italy. In-country Study Italy consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Italy are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Italy is a full-time 24-credit point subject, which is a full time load.

978140 In-country Study: Japan

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Japan is the key component of the Japan major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Japan enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Japan recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Japan. In-country Study Japan consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Japan are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Japan is a full-time 24-credit point subject, which is a full time load.

978141 In-country Study: Latino USA

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Latino USA is the key component of the Latino USA major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Latino USA enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Latino USA recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Latino USA. In-country Study Latino USA consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Latino USA are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Latino USA is a full-time 24-credit point subject, which is a full time load.

978142 In-country Study: Mexico

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Mexico is the key component of the Mexico major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Mexico enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Mexico recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Mexico. In-country Study Mexico consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Mexico are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Mexico is a full-time 24-credit point subject, which is a full time load.

978143 In-country Study: Spain

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Spain is the key component of the Spain major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Spain enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as

self-reliance. In-country Study: Spain recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Spain. In-country Study Spain consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Spain are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Spain is a full-time 24-credit point subject, which is a full time load.

978144 In-country Study: Switzerland

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Switzerland is the key component of the Switzerland major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Switzerland enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Switzerland recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Switzerland. In-country Study Switzerland consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Switzerland are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

In-country Study: Switzerland is a full-time 24-credit point subject, which is a full time load.

978145 In-country Study: Argentina

24cp; availability: not offered to exchange and study abroad students
Postgraduate

In-country Study: Argentina is the key component of the Argentina major in the Master of Arts in International Studies, and involves one semester of study overseas attached to a partner institution of UTS. In-country Study: Argentina enables students to experience living and studying in the culture of their specialisation, and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. In-country Study: Argentina recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Argentina. In-country Study Argentina consists of an agreed program of study at the host university (including language classes), and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences of In-country Study: Argentina are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

978210 In-country Study 2: Japan

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977210 In-country Study 1: Japan
Undergraduate

This subject is the key component of the Japan major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Japan to recognise that intercultural competence is integral to professional practice. In-country Study 2: Japan further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978410 In-country Study 2: France

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977410 In-country Study 1: France
Undergraduate

This subject is the key component of the France major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: France to recognise that intercultural competence is integral to professional practice. In-country Study 2: France further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978420 In-country Study 2: Germany

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977420 In-country Study 1: Germany
Undergraduate

This subject is the key component of the Germany major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Germany to recognise that intercultural competence is integral to professional practice. In-country Study 2: Germany further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978430 In-country Study 2: Italy

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977430 In-country Study 1: Italy
Undergraduate

This subject is the key component of the Italy major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Italy to recognise that intercultural competence is integral to professional practice. In-country Study 2: Italy further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978450 In-country Study 2: Spain

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977450 In-country Study 1: Spain
Undergraduate

This subject is the key component of the Spain major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Spain to recognise that intercultural competence is integral to professional practice. In-country Study 2: Spain further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978460 In-country Study 2: Switzerland

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977460 In-country Study 1: Switzerland
Undergraduate

This subject is the key component of the Switzerland major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Switzerland to recognise that intercultural competence is integral to professional practice. In-country Study 2: Switzerland further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978520 In-country Study 2: Chile

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977520 In-country Study 1: Chile
Undergraduate

This subject is the key component of the Chile major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Chile to recognise that intercultural competence is integral to professional practice. In-country Study 2: Chile further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978530 In-country Study 2: Mexico

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977530 In-country Study 1: Mexico
Undergraduate

This subject is the key component of the Mexico major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Mexico to recognise that intercultural competence is integral to professional practice. In-country Study 2: Mexico further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978542 In-country Study 2: Argentina

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977542 In-country Study 1: Argentina
Undergraduate

This subject is the key component of the Argentina major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Argentina to recognise that intercultural competence is integral to professional practice. In-country Study 2: Argentina further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Access conditions are available in the individual subject descriptions in the online handbook.

978543 In-country Study 2: Canada

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977543 In-country Study 1: Canada
Undergraduate

This subject is the key component of the Canada major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Canada to recognise that intercultural competence is integral to professional practice. In-country Study 2: Canada further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

978620 In-country Study 2: Latino USA

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977620 In-country Study 1: Latino USA
Undergraduate

This subject is the key component of the Latino USA major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Latino USA to recognise that intercultural competence is integral to professional practice. In-country Study 2: Latino USA further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

Typical availability

Autumn semester, City campus

Spring semester, City campus

978911 In-country Study 2: Colombia

24cp; availability: not offered to exchange and study abroad students
Requisite(s): 977911 In-country Study 1: Colombia
Undergraduate

This subject is the key component of the Colombia major in the BA in International Studies, which involves two semesters of study overseas attached to a partner institution of UTS. In-country study is designed to enable students to experience living and studying in the culture of their specialisation and is guided by the principles of cultural immersion and reflection, as well as self-reliance.

The subject builds on the life and learning experiences of In-country Study 1: Colombia to recognise that intercultural competence is integral to professional practice. In-country Study 2: Colombia further develops students' capacity for critical reflection - in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures.

The assessments and life experiences of this subject form the culmination of a student's International Studies degree at UTS, and are intended to prepare students for lifelong learning about international societies and cultures.

978912 In-country Study: Colombia

24cp; availability: not offered to exchange and study abroad students
Postgraduate

This subject is the key component of the Colombia major in the Master of Arts in International Studies. It involves one semester of study overseas at a partner institution of UTS. The subject enables students to experience living and studying in the culture of their specialisation and is guided by UTS: International Studies' principles of cultural immersion and reflection as well as self-reliance and recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively seek hands-on social and cultural interactions during their semester in Colombia. The subject consists of an agreed program of study at the host university (including language classes) and assessments based on humanities/social sciences research conducted in and about the host society. The subject's assessment tasks are the medium through which sustained immersion and engagement with the host country is demonstrated. The assessments and life experiences are the culmination of a student's Master of Arts in International Studies at UTS and are intended to prepare students for lifelong learning about international societies and cultures.

979105 PhD Thesis: International Studies

0cp; availability: not offered to exchange and study abroad students

This subject is used only for enrolling students into the PhD in International Studies.

Typical availability

Autumn semester, City campus

Spring semester, City campus

979110 Thesis (International Studies)

0cp; availability: not offered to exchange and study abroad students

This subject is used only for enrolling students into the Master of Arts in International Studies (Research).

Typical availability

Autumn semester, City campus

Spring semester, City campus

979501 Exchange Elective 1

6cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979502 Exchange Elective 2

6cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979503 Exchange Elective 3

6cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979504 Exchange Elective 4

6cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979505 Exchange Elective 5

8cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979506 Exchange Elective 6

8cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979507 Exchange Elective 7

8cp

The UTS Global Exchange program, administered by UTS International, offers students the option of completing part of their study in another country and receiving credit towards their degree at UTS. Students in the International Studies and Global Studies degrees may have the opportunity to undertake study at an exchange partner university. The subject studied at the exchange partner university should have relevance to a student's course of study, and be taught and assessed in an acceptable format. Further information is available from Global Exchange at:

www.ssu.uts.edu.au/globalexchange

979508 Research in International Studies

8cp; availability: not offered to exchange and study abroad students
Postgraduate

The subject is designed to equip students for independent, creative research through the development of the critical, analytical and methodological skills required to complete the planning and proposal stages for a small-scale piece of original research within an international context. It introduces students to qualitative and quantitative social science and cultural studies research data-gathering methods appropriate to international studies research, how they work in combination, and the analysis and validity of the data they produce. An information literacy seminar will provide archive skills, information on the ethics of doing research with human beings and on the management of data, online research, and bibliographical and referencing skills through the UTS library.

979509 In-country Study in Australia

24cp; availability: not offered to exchange and study abroad students
Postgraduate

The subject is designed to provide an alternative, cognate subject for students who for financial, health, or family reasons, cannot spend a semester abroad in order to complete their degree. The subject is offered locally but as distance education and is guided by UTS: International Studies' principles of cultural immersion and reflection, as well as self-reliance. It recognises that intercultural competence is integral to professional practice. It develops in students a capacity for critical reflection, in particular, the ability to identify and question one's cultural assumptions, values and beliefs, and thus to acknowledge and empathise with the perspectives of people from other cultures. To maximise the program's positive outcomes, the subject's learning objectives require students to actively engage in hands-on social and cultural interactions with their country major diaspora population in Australia. Assessment tasks are based on humanities/social sciences research and are the medium through which engagement with the country major society is demonstrated. The assessments and life experiences of the subject are the culmination of a student's Master of Arts in International Studies at UTS, and are intended to prepare students for lifelong learning about other societies and cultures.

979510 Contemporary China

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Chinese history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Chinese society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979511 Contemporary Japan

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Japanese history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Japanese society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979512 Contemporary France

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary French history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day French society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979513 Contemporary Spain

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Spanish history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Spanish society. Students develop critical thinking and

scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979514 Contemporary Germany

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary German history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day German society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979515 Contemporary Italy

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Italian history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Italian society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979516 Contemporary Canada (Quebec)

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Québec (Canada) history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Québec society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979517 Contemporary Switzerland

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Swiss history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Swiss society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

979518 Contemporary Latin(o) Americas

8cp; availability: not offered to exchange and study abroad students
Requisite(s): 979508 Research in International Studies OR 979508 Research in International Studies
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Postgraduate

The subject is designed to provide students with a basic understanding of contemporary Spanish-speaking Americas' history, politics, society and culture in national, continental and global contexts. Students learn critical skills that allow them to identify major contemporary issues that shape present-day Latin American society. Students develop critical thinking and scholarly writing skills relevant to the multidisciplinary nature of the subject via the writing of an extensive literature review and a research essay.

98723 Research Dissertation 1 (NMH)

24cp

For subject description, contact UTS: Health.

98724 Research Dissertation 2 (NMH)

24cp
Requisite(s): 98723 Research Dissertation 1 (NMH)
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Health.

98725 Dissertation in Health Research 1

12cp
Postgraduate

This subject facilitates an effective learning contract between the student and appointed supervisor. This learning contract forms the basis of students' framework of study as they plan to undertake the Health Research dissertation.

Typical availability

Autumn semester, City campus

98726 Dissertation in Health Research 2

12cp
Postgraduate

This subject facilitates an effective learning contract between the student and appointed supervisor. This learning contract forms the basis of students' framework of study as they plan to undertake the health research dissertation.

Typical availability

Spring semester, City campus

98727 Quality Use of Medicines in Advanced Practice

6cp
Postgraduate

Safe and rational prescribing requires an understanding of the processes contributing to drug use, as well as acquiring the essential skills and attitudes required for good prescribing. This subject focuses on the skills, knowledge, attitudes, values and abilities that underpin competent and capable medicine management for prescribers. Using a clinical decision-making framework, students apply the principles of the World Health Organisation's Guide to Good Prescribing, learning how to select between different medicines on the basis of comparative efficacy, safety, cost and suitability in order to prescribe from a defined scope of practice.

Students also explore the use of teaching and learning strategies to promote patient understanding of their medicines, and consider the difficulty of adherence to treatment. Commonwealth and State laws pertaining to the control of medicines are also considered.

98728 Leadership, Accountability and Role Development in Advanced Practice

6cp

For subject description, contact UTS: Health.

99021 International Exchange Subject 1

6cp

For further information, contact the Haymarket Student Centre.

99022 International Exchange Subject 2

6cp

For further information, contact the Haymarket Student Centre.

99023 International Exchange Subject 3

6cp

For further information, contact the Haymarket Student Centre.

99024 International Exchange Subject 4

6cp

For further information, contact the Haymarket Student Centre.

99201 Global Histories

8cp; 3hpw
Undergraduate

This subject introduces students to the main concepts of globalisation and to the historical development of different kinds of globalisation through familiar commodities such as food, drawing on examples from the everyday lives of people in Sydney. The processes and outcomes of globalisation are examined and discussed by way of case studies in lectures and in student research projects. Skills developed include researching literature in the field of global studies, observation research methods, small group work and written and oral presentation of research.

Typical availability

Autumn semester, City campus

First-year experience videos

View commentary from students and academics about this first-year subject at:

- Student video: www.youtu.be/w8NOvz8vrRo
- Academic video: www.youtu.be/-leUzZ55UBI

99202 Global Work

8cp; 3hpw plus one week participating on a work-based project; availability: not offered to exchange and study abroad students
Requisite(s): 99201 Global Histories
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

The global movement of people, ideas and capital has had a profound impact on what kind of work people do, how they do it, where they work and who they work with; work has been globalised. This subject introduces students to key ideas that help in understanding what this means for people, communities and economies. Topics covered include the impact of the global movement of people through short and long-term migration and travel on work; the impact of information technologies on the global spread of work practices and work organisations; and the challenges of reconciling local conditions with the expectations and demands of global production networks. The subject includes the opportunity to examine globalisation at work through a work-based project and to use the theoretical perspectives introduced in the subject to explore the way globalisation is shaping working practice. Skills developed include applying theories of globalisation to concrete issues in workplaces, observation research methods, engaging with industry, and written and oral communication.

Typical availability

Autumn semester, City campus

99203 Global Knowledges

8cp; 3hpw; availability: not offered to exchange and study abroad students
Requisite(s): 99201 Global Histories
There are also course requisites for this subject. See access conditions.
Undergraduate

Our world views define and shape the world 'as we know it'. This subject introduces different ways of seeing the world, charting how resulting world views shape what we know, and how we relate to it. Assumptions about globalisation produce specific forms of knowledge and data, often framed as 'global indicators'. The resulting global knowledges are produced and situated, whether in dominant or marginalised contexts and traditions. The subject draws on accounts of dominant, alternate and parallel globalities, using both Southern and Northern theory, to analyse, compare, critique and evaluate these perspectives.

Typical availability

Spring semester, City campus

99204 Global Governance

8cp; 3hpw; availability: not offered to exchange and study abroad students
Requisite(s): 99201c Global Histories
These requisites may not apply to students in certain courses.
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject allows students to consider ways of governing problems in the global sphere (e.g. climate change, trade, peacekeeping). International institutions responsible for managing global problems are examined in terms of their structures, capacities, and ways different interests and concerns are represented (or not) in their processes and outcomes. Students research the players in global governance, analyse complex governance frameworks and develop an understanding of different interests in global issues. Through engagement in debates, simulations and reports, students develop their research, analysis and communication skills.

Typical availability

Autumn semester, City campus

99205 Global Work Project

8cp; work placement, several seminars over the semester, and UTSOnline; availability: not offered to exchange and study abroad students
Requisite(s): 99204 Global Governance
There are also course requisites for this subject. See access conditions.
Undergraduate

This subject allows students to undertake a substantial work placement in an organisation with global connections, and in a discipline and employment area related to their Global Studies major. Students independently research the global aspects of work in the organisation in which they are placed. Skills developed include: researching global phenomena as they manifest in professional practice, building research informed arguments, reflecting critically on practice and work organisations, communicating and learning online, and presenting research findings using experiential learning and theory informed critique.

Typical availability

Autumn semester, City campus

99206 Global Problem Solving

8cp; 3hpw; availability: not offered to exchange and study abroad students
Requisite(s): 99204 Global Governance
There are also course requisites for this subject. See access conditions.
Undergraduate

In this subject students tackle a real-world global problem. Learning is done in seminars where students focus on the possibilities of citizen action to address global problems, utilising knowledge from the diverse majors. At the end of the semester students make written and oral presentations of their recommended citizen-action

strategies. Skills developed include: combining knowledge from global studies with knowledge from the majors; ability to collaborate across disciplines; engaging with external organisations; independent and collaborative research on global phenomena; teamwork; and oral and written presentation.

Typical availability

Spring semester, City campus

99567 Introduction to Chinese Herbal Medicine

6cp; 6hpw
Requisite(s): 99639 Chinese Medicine Foundations 1 OR 99665 Chinese Medicine Foundations 1

This subject provides introductory information on the basic properties and functions of Chinese herbs. It forms an essential foundation for the understanding of Chinese herbal forumulae and the pharmacology of Chinese herbs. Students are encouraged to create a small herbarium of selected herbs.

Typical availability

Spring semester, City campus

99584 Clinical Features of Disease

6cp; 4hpw
Requisite(s): 91530 Pathophysiology and Pharmacology 2
These requisites may not apply to students in certain courses. There are also course requisites for this subject. See access conditions.

This subject builds on the theoretical material offered in anatomy and physiology subjects. It also develops the student's ability to differentiate, in a TCM setting, those conditions that should be referred to a medical practitioner or other health care professional.

Typical availability

Autumn semester, City campus

99618 Chinese Diagnostic System 1

6cp; 5hpw
Requisite(s): 99640 Chinese Medicine Foundations 2 OR 99666 Chinese Medicine Foundations 2

This subject provides a deeper understanding of the objectives, application and therapeutic conclusions inherent in the traditional Chinese diagnostic system. It provides practical workshops in advanced pulse diagnosis that complements students' theoretical work.

Typical availability

Autumn semester, City campus

99621 Chinese Diagnostic System 2

6cp; 6hpw
Requisite(s): 99618 Chinese Diagnostic System 1

This subject contributes a large component of the essential skills and knowledge required for traditional Chinese diagnosis. The subject and workshops underpin not only the clinical experiences of the student but also the differentiation of disease states. This subject hones the essential skills and knowledge of *Zangfu* and external pathogen diagnostics. Students are expected to work closely together in group situations online and in class time to develop their diagnostic skills.

Typical availability

Spring semester, City campus

99630 Clinical Practice 1 (TCM)

12cp; 250 hours of supervised clinical practice and development of clinical reasoning skills
Requisite(s): 99647 Clinic Level 6 AND 91611 Clinical Practicum (Therapy and Diagnosis)

In this subject the student experiences the full range of practitioner responsibilities under the supervision of a clinical manager. This area of training is accomplished in the outpatient clinics of the College of Traditional Chinese Medicine (TCM), which provide low-cost TCM services to the public. Students also have the option of undertaking a TCM internship in China with a UTS-approved institution. Students engage in a series of tutor and peer reviewed case analyses and develop a learning contract in a specialty area of TCM of their own choosing.

Typical availability

Autumn semester, City campus

99631 Clinical Practice 2 (TCM)

12cp; 2hpw, 150 treatments, 375 supervised clinical hours (in Stage 8, Year 4)
Requisite(s): 99647 Clinic Level 6 AND 91611 Clinical Practicum (Therapy and Diagnosis)

In this subject, students experience the full range of practitioner responsibilities under the supervision of a clinical manager. This area of training is accomplished in the outpatient clinics of the UTS College of Traditional Chinese Medicine, which provide low-cost traditional Chinese medicine (TCM) services to the public. Students also have the option of undertaking a TCM internship in China with a UTS-approved institution.

This subject replicates the previous semester internship subject (99630 Clinical Practice 1) and students again engage is a series of tutor and peer reviewed case analyses and develop a second learning contract in a specialty area of TCM of their own choosing.

Typical availability

Autumn semester, City campus

Spring semester, City campus

99636 Essentials of Pathophysiology

6cp; 12 weeks, 5hpw

This subject is a study of essential elements of the disease process studied within the context of some commonly occurring disorders. It serves as an introduction of physiological processes in the disease state. Systems studied include cardiovascular, endocrine, muscular-skeletal, gastrointestinal, kidney and body fluid, respiratory, immune, reproductive, cancer, and nervous systems. The subject promotes an understanding of health issues which can be used in many health settings.

Typical availability

Autumn semester, City campus

99641 Point Location and Acupuncture Anatomy

6cp; 5hpw

This is a workshop-based subject dealing with the location, depth, action, special precautions and contra-indications of the major acupuncture points used in clinical practice.

- Module 1 (Point Location) provides practical workshops to accurately locate the 365 major acupuncture points. This module looks at the fundamental actions of the major acupuncture points, complementing the work undertaken in Chinese Medicine Foundations 1.
- Module 2 (Anatomy) covers the anatomy that underpins the accurate location of points and their safe needling. It defines major anatomical landmarks used in point location, closely examines acupuncture point substructures and provides a basis for understanding precautions associated with acupuncture and its safe practice.

Typical availability

Autumn semester, City campus

99644 Clinic Level 3 and Acupuncture Techniques 2

6cp; clinical assistance: 40hrs, practicums: 13 weeks x 4hpw
Requisite(s): ((99643c Clinic Level 2 OR 99668 Clinic Level 2 and Acupuncture Techniques 1) AND 99641 Point Location and Acupuncture Anatomy)

Approximately 30 per cent of the undergraduate training program is devoted to gaining clinical experience in preparation for becoming a qualified traditional Chinese medicine (TCM) practitioner. The subject is split into three modules:

- Module 1 (Clinic) builds on previous clinical training subjects and acquaints students with the skills and duties required by a student–practitioner working in the University's outpatient clinics. Students must satisfactorily complete requisite clinical hours.
- Module 2 (Acupuncture) introduces basic theoretical constructs for the application of various acupuncture techniques. The practical workshops are devoted to revision of point location and the extension of student knowledge of point function, Jing Luo pathways, point interactions and needle depths. Practical

needling experience is introduced using basic/intermediate needling techniques. Participation in needling workshops is compulsory.

- Module 3 (Tui Na, Chinese Remedial Massage) builds upon the student's introduction to Chinese massage in Clinical Theory and Clinic Level 1. A large amount of clinical practice requires the differentiation and treatment of musculoskeletal dysfunction. Accordingly, this module further develops the participant's manual therapy skills and their application within a Chinese medicine clinical context. This module forms the basis of continuing clinical studies in Clinic Level 4. Participation in massage workshops is compulsory.

Typical availability

Autumn semester, City campus

99645 Clinic Level 4 and Acupuncture Techniques 3

6cp; 6 hpw, workshops, tutorials, lectures; clinical assistant level 4: 40hrs (Stage 4, Year 2)

Requisite(s): 99644 Clinic Level 3 and Acupuncture Techniques 2

Approximately 30 per cent of the undergraduate training program is devoted to gaining clinical experience in preparation for becoming a qualified traditional Chinese medicine (TCM) practitioner. This subject is split into three modules.

- Module 1 (Clinic) builds on previous clinical training subjects and acquaints students with the skills and duties required of a student practitioner working in the University's outpatient clinics. Students must satisfactorily complete requisite clinical hours, case reports and competency assessments.
- Module 2 (Acupuncture Techniques lll) extends on the basic theoretical constructs for the application of various acupuncture techniques introduced in Clinic Level 3 and Acupuncture Techniques 2.
- Module 3 (TCM Orthopeadic assessment and treatment (Tui Na)) builds upon the participant's introduction to Chinese remedial massage in Clinic Level 3: TCM Manual Therapy 1. This component covers integrative tuina techniques with a focus on the orthopaedic assessment, developing further diagnostic procedures for identifying regional musculoskeletal dysfunction and applying findings to planning and applying an integrative treatment approach using a range of modalities. The subject builds upon basic diagnostic concepts of the four methods of diagnosis (Si Zhen) in conjunction with biomedical principles involved in orthopaedic assessment.

Upon completion of the subject, participants have the basic knowledge necessary to undertake supervised clinical practice in the UTS Chinese Medicine Remedial Massage (Tuina) Clinic. Knowledge gained from the subject is necessary for further development of a clinical application of an integrative practice scope.

Typical availability

Spring semester, City campus

99646 Clinic Level 5 and Acupuncture Microsystems

6cp; clinical assistance: 60hrs, advanced needle techniques: 12 weeks x 5hpw

Requisite(s): 99645 Clinic Level 4 and Acupuncture Techniques 3

Approximately 30 per cent of the undergraduate training program is devoted to gaining clinical experience in preparation for becoming a qualified traditional Chinese medicine practitioner. The subject is split into two modules.

- Module 1: Clinical Assistant Level 5 builds on the first two years of theoretical, practical and clinical training and acquaints students with skills and duties required by a final year student–practitioner working in the University's outpatient clinic. Clinical training is continued through the clinical program of the TCM course.
- Module 2: Microsystems and Advanced Treatment Techniques covers special areas of microsystems acupuncture, which has a wide range of applications in the general practice of acupuncture. The theoretical information of general acupuncture and microsystems acupuncture is applied and practised in the advanced treatment techniques practicum/workshop.

Typical availability

Autumn semester, City campus

99647 Clinic Level 6

6cp; 4hpw; workshops, tutorials and planning sessions: Clinical Assistant Level 6: 70 hours (Stage 6, Year 3)

Requisite(s): 99646 Clinic Level 5 and Acupuncture Microsystems

This subject is divided into three modules.

Module 1: Clinical Assistant Level 6: Approximately 30 per cent of the undergraduate training program is devoted to clinical experience and preparation for becoming a qualified traditional Chinese medicine practitioner. This module builds on the first two-and-a-half years of theoretical, practical and clinical training, and develops student skills and professional understanding of clinical practice as exemplified in the University's outpatient clinic.

Module 2: Internship Training: Students engage in a series of group exercises to prepare a fourth clinical management plan. This plan covers all aspects of daily management and promotion of their future internship clinic. Students engage in a series of reflective exercises dealing with the legal and ethical issues they may face during their internship clinic and after graduation. They must also undertake the preparation of a learning contract in an area of clinical specialisation of their own choosing that they execute during their fourth-year clinics.

Module 3: Disease States: This module contributes to the development of an evidenced-based approach to the clinical practice of Chinese medicine (CM). The module develops clinical understanding of disease and its treatment through the integration of theories and knowledge from Chinese medicine with biomedical and western medicine understandings of diseases and their processes. A number of diseases are covered from traumatology and paediatric CM clinical areas. Disease discussion undertaken in the clinical areas covers:

- CM classification(s)
- biomedical classification(s)
- aetiology
- pathology
- diagnosis
- differential diagnosis
- current therapy from a biomedical perspective
- herbal formula modification, application and treatment
- CM treatment therapy and strategies (may cover herbal formulae, acupuncture, massage, exercise methods, lifestyle and dietary advice)
- integration of laboratory and radiological findings (where relevant).

Preventative health measures and strategies for health maintenance are additionally addressed in this subject. These are discussed in the context of Yang Sheng, the CM clinical area of practice relating to 'health preservation and enhancement' including understanding and application of dietary principles.

Traumatology integrates and strengthens the knowledge obtained in orthopaedic studies in the subjects 99644, 99645 and 99641.

Together, study of the three clinical areas of Traumatology, Paediatrics and Yang Sheng assumes completion and understanding of the biomedical knowledge obtained in the subjects 91527, 91528, 91529 and 91530, and draws on knowledge from 99584 and CM diagnostic frameworks and knowledge. Specialist understandings and skills are developed, and their application of CM treatment scopes of practice specific to these three clinical areas of study.

The modules link into clinical practicum and clinic internship subjects where students are required to put into practice and integrate their learning within a clinical context.

Typical availability

Spring semester, City campus

Note(s)

This subject replaces the Spring semester of 99624 Clinical Theory and Clinic Level 3.

99650 Pharmacology of Chinese Herbal Medicine

6cp; 4hpw

Requisite(s): 99567 Introduction to Chinese Herbal Medicine

The subject utilises the latest research on Chinese herbal medicines. Students are provided with up-to-date scientific knowledge of commonly used traditional Chinese medicinal herbs, including the botanical description, active constituents, pharmacological actions, therapeutic uses, adverse effects, toxicity and Therapeutic Goods Administration (TGA) regulatory status (if applicable). The interactions between Chinese herbs and orthodox drugs is also discussed.

Access conditions are available in the individual subject descriptions in the online handbook.

Typical availability

Autumn semester, City campus

99651 Chinese Herbal Formula 1

6cp; 6hpw

Requisite(s): 99567 Introduction to Chinese Herbal Medicine AND 99621c Chinese Diagnostic System 2

Differentiating patterns and deciding treatment strategies (Bian Zheng Lun Zhi) are the traditional processes in treating disease in traditional Chinese medicine (TCM). Chinese herbal formulas are specific combination of various single herbs that provide a standard strategy for deciding treatment.

This subject consists of the study of formulas and strategies in treating diseases according to TCM patterns. The core of the subject is in understanding how particular combinations of single herbs in the formulas work effectively to treat disease. The focus of this subject is in analysing the relationship of patterns (traditional descriptions of pathological conditions in Chinese medicine) and the strategies underlying the formulas that treat them.

The subject includes topics of standard treatment strategies in Chinese herbal formulas, relationship of formulas to TCM patterns, and detailed analysis of the structure of the formulas in accordance to the pathomechanism (Bing Ji) of TCM patterns and their clinical signs and symptoms.

Typical availability

Spring semester, City campus

99652 Chinese Herbal Formula 2

6cp; 6hpw

Requisite(s): 99651 Chinese Herbal Formula 1

Chinese herbal medicine utilises herbal combinations to treat illness. This subject follows Chinese Herbal Formula 1 and provides detailed information on Chinese herbal formulae for treating diseases. In this subject, the major herbal formulae are evaluated together with their appropriate application. Students are encouraged to discriminate between various treatment strategies in accordance with differential diagnosis of TCM patterns.

Typical availability

Autumn semester, City campus

99656 Disease States for Traditional Chinese Medicine 1

6cp; 5hpw

Requisite(s): 99652 Chinese Herbal Formula 2 AND 99584 Clinical Features of Disease

In this subject students integrate their knowledge of Western and Chinese medicine for the most common diseases in traditional Chinese medicine (TCM) internal medicine and contribute to the development of an evidence-based approach to the clinical practice of TCM. The subject focuses on developing diagnostic theory and skills, TCM pattern differentiation, and familiarity with current therapy in Western and Chinese medicine for common diseases which present in clinics relating to TCM internal medicine. This includes:

- CM classification(s)
- biomedical classification(s)
- aetiology, pathology, diagnosis and differential diagnosis
- current therapy from a biomedical perspective
- herbal formula modification, application and treatment
- CM treatment therapy and strategies (may cover herbal formulae, acupuncture, massage, exercise methods, lifestyle and dietary advice)
- integration of laboratory and radiological findings (where relevant).

Typical availability

Spring semester, City campus

99657 Disease States for Traditional Chinese Medicine 2

6cp; 5hpw

Requisite(s): 99652 Chinese Herbal Formula 2 AND 99584 Clinical Features of Disease

This subject moves its emphasis from the learning of traditional Chinese medicine (TCM) to the clinical practice of TCM. It provides students with clinical knowledge of Chinese medicine for the female and male reproductive disorder, traumatology, dermatology, external disorders (surgical diseases), and ear, nose, throat (ENT) and eyes, and oncology. It also enables students to understand the key clinical features of these diseases in Western medicine. After determining that TCM is appropriate to the patient's condition, students must then differentiate the pattern of disharmony as identified in TCM, decide on the treatment principle and devise a course of treatment.

This subject is a clinical subject for students to learn integrative knowledge of the Western and Chinese medicine for most common diseases in gynaecology, some surgical diseases and common dermatological diseases. The subject focuses on theory and skills of diagnosis, TCM pattern differentiation, current therapy in Western medicine and Chinese medicine approaches to diseases discussed in above three areas. In tutorial sessions, real clinical case study, including interviews of patients with diseases relevant to the lecture, and the role-playing (student plays either practitioner or patient) are important components of this subject.

Typical availability

Autumn semester, City campus

99659 Clinical Practice 4

8cp

Requisite(s): 99647 Clinic Level 6 AND 99627 Clinical Practicum (Therapy and Diagnosis) AND 99658c Clinical Practice 3

In this subject the student experiences the full range of practitioner responsibilities under the supervision of a clinical manager. This area of training is accomplished in the out-patient clinics of the College of Traditional Chinese Medicine (TCM) which provide low cost TCM services to the public. The student also has the option of undertaking TCM internship in China with a UTS approved institution. Students engage in a series of tutor and peer reviewed case analyses and develop a learning contract in a specialty area of TCM of their own choosing.

Typical availability

Spring semester, City campus

99665 Chinese Medicine Foundations 1

6cp; 4hpw

The subject introduces Chinese medicine's basic theoretical concepts. A broad foundation is provided for subject areas that are built on throughout the degree. Subject areas include the traditional Chinese medical view of health, disease aetiology, diagnosis and principles of treatment, traditional physiology (the 12 organs and 14 main channels), terminology issues, philosophical traditions and the *Huangdi Neijing Suwen*. The basic theories presented in this subject have a continuing and progressive application in all aspects of traditional Chinese medicine.

Typical availability

Autumn semester, City campus

99666 Chinese Medicine Foundations 2

6cp; 4hpw

Requisite(s): 99665 Chinese Medicine Foundations 1

This subject extends students' knowledge of Chinese medicine's fundamental substances and their physiology and the channel system, its components and functions. It builds on stage 1 subjects, especially with regard to physiological substances and systems and general patterns of dysfunction. The principles of Chinese dietetics are explored and the *Neijing Lingshu* introduced. Basic dietary principles and acupuncture point functions and indications are applied to basic patterns of disorder. The subject provides an understanding of how to regulate internal systems and utilise channel physiology in the clinical practice of Chinese medicine.

Typical availability

Spring semester, City campus

99667 Clinical Theory and Clinic Level 1

6cp; 5hpw

Requisite(s): 99665c Chinese Medicine Foundations 1 AND 99641c Point Location and Acupuncture Anatomy

This subject comprises a series of lectures, workshops and clinical practicum. The subject content has been organised into three modules:

- Module 1: Clinical Theory covers UTS clinical protocols for attending the clinic as both a student and intern practitioner (when in fourth year). Topics include treatment modality precautions and contraindications, introductory ethics, infection control procedures and principles of communication. There is

a series of workshops associated with the module and these are used to introduce the learner to tuina, cupping and gua sha treatment modalities. In addition, the workshops are used to put into practice information from the lectures (i.e. practice-based learning).

- Module 2: Pulse Diagnosis: Theory and Practice introduces the techniques used for pulse assessment and provides information on assessing some basic pulse parameters, including their associated diagnostic meaning. It comprises a mixture of lectures and workshops and serves as an introduction to further advanced techniques covered in the second year of the degree program.
- Module 3: Clinic Practicum is the first of several undertaken in a real clinical environment. Clinic practicum for this module focuses primarily on observation, learning clinical processes and health information systems. Students may be required to assist the practitioner, and eventually, expected to undertake clinical assessments of patients and their treatments (under supervision) in the third and fourth year of their studies.

Typical availability

Autumn semester, City campus

99668 Clinic Level 2 and Acupuncture Techniques 1

6cp; 4hpw (Stage 2, Year 1)
Requisite(s): 99667 Clinical Theory and Clinic Level 1 AND 99641 Point Location and Acupuncture Anatomy

Approximately 30 per cent of the undergraduate training program is devoted to gaining clinical experience in preparation for becoming a qualified traditional Chinese medicine (TCM) practitioner. The subject is split into two modules:

- Module 1 builds on previous clinical training subjects and acquaints students with the skills and duties required by a 'student practitioner' working in the University's outpatient clinics. Students must satisfactorily complete requisite clinical hours.
- Module 2 introduces basic theoretical constructs for the application of various acupuncture techniques. Practical needling experience is introduced within the workshops. Participation in needling workshops is compulsory. Students are also introduced to the full set of Jing Luo pathways.

Typical availability

Spring semester, City campus

99669 Clinical Practice 3

6cp; 2hpw, 75 treatments, 188 supervised clinical hours (Stage 8, Year 4)
Requisite(s): 99647 Clinic Level 6
There are also course requisites for this subject. See access conditions.

In this subject the student experiences the full range of practitioner responsibilities under the supervision of a clinical manager. This area of training is accomplished in the out-patient clinics of the College of Traditional Chinese Medicine (TCM) which provide low cost TCM services to the public. Students engage in a series of tutor and peer reviewed case analyses and develop an annotated bibliography in a specialty area of TCM of their own choosing.

Students who undertake the option of an overseas clinical placement in China or Korea with a UTS approved institution must undertake this subject instead of 99631 Clinical Practice 2.

Typical availability

Spring semester, City campus

99670 Clinical Practice 4

6cp
Requisite(s): 99647 Clinic Level 6
There are also course requisites for this subject. See access conditions.

For subject description, contact UTS: Science.

99850 Exchange Elective A

6cp

For further details, contact UTS: Engineering.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99851 Exchange Elective B

6cp

For further details, contact UTS: Engineering.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99852 Exchange Elective C

6cp

For further details, contact UTS: Engineering.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99853 Exchange Elective D

6cp

For further details, contact UTS: Engineering.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99854 Exchange Elective E

6cp

For further details, contact UTS: Engineering.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99855 Reims Management School-Semester 1

18cp

For further details, contact UTS: Business.

Typical availability

Spring semester, City campus

99856 Reims Management School-Semester 2

18cp

For further details, contact UTS: Business.

Typical availability

Autumn semester, City campus

99857 Reims Management School-Semester 3

18cp

For further details, contact UTS: Business.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99858 Reims Management School-Semester 4

18cp

For further details, contact UTS: Business.

Typical availability

Autumn semester, City campus
Spring semester, City campus

99859 Exchange Elective F
6cp
For further details, contact UTS: Engineering.

Typical availability
Autumn semester, City campus

99860 Exchange Elective G
6cp
For further details, contact UTS: Engineering.

Typical availability
Spring semester, City campus

99861 Exchange Elective H
6cp
For further details, contact UTS: Engineering.

Typical availability
Spring semester, City campus

99863 Exchange Subject 1
6cp
For further information, contact the Haymarket Student Centre.

99864 Exchange Subject 2
6cp
For further information, contact the Haymarket Student Centre.

99865 Exchange Subject 3
6cp
For further information, contact the Haymarket Student Centre.

99866 Exchange Subject 4
6cp
For further information, contact the Haymarket Student Centre.

99870 Exchange Elective 1 (Science)
6cp
For further details, contact UTS: Science.

Typical availability
Autumn semester, City campus

99871 Exchange Elective 2 (Science)
6cp
For further details, contact UTS: Science.

Typical availability
Autumn semester, City campus

99872 Exchange Elective 3 (Science)
6cp
For further details, contact UTS: Science.

Typical availability
Autumn semester, City campus

998723 Research Dissertation 1 (International Studies)
24cp
For subject description, contact UTS: International Studies.

998724 Research Dissertation 2 (International Studies)
24cp
Requisite(s): 998723 Research Dissertation 1 (International Studies)
There are also course requisites for this subject. See access conditions.
For subject description, contact UTS: International Studies.

99873 Exchange Elective 4 (Science)
6cp
For further details, contact UTS: Science.

99874 Exchange Elective 5 (Science)
6cp
For further details, contact UTS: Science.

99875 Exchange Elective 6 (Science)
6cp
For further details, contact UTS: Science.

99876 Exchange Elective 7 (Science)
6cp
For further details, contact UTS: Science.

99877 Exchange Elective 8 (Science)
6cp
For further details, contact UTS: Science.

99881 Exchange Subject 1
6cp
Further information about this subject is available from UTS: Health.

99882 Exchange Subject 2
6cp
Further information about this subject is available from UTS: Health.

99883 Exchange Subject 3
6cp
Further information about this subject is available from UTS: Health.

99884 Exchange Subject 4
6cp
Further information about this subject is available from UTS: Health.

ALPHABETICAL LIST OF SUBJECTS

The subject names and subject codes for all subjects are listed below, alphabetically ordered by subject name. The subject descriptions for these subjects are numerically ordered by subject code in Subjects (see pages 738–1111).

.NET Application Development 32998
.NET Enterprise Development 32013
2D Digital Animation 89204
3D Animation 32543
3D Computer Animation 31241
3D Digital Animation 1 89202
3D Digital Animation 2 89203
3D Modelling and Rigging Advanced 82420
3G Mobile Communication Systems 49110
4G Mobile Technologies 42890
Aboriginal and Torres Strait Islander: Women and Babies 92621
Aboriginal Cultures 013982
Aboriginal Social and Political History 013082
Aboriginal Studies Project 013081
Academic English 59718
Academic Literacies in TESOL and Applied Linguistics 013983
Access in Large Scale Buildings 11283
Accountability in Nursing Practice 92329
Accountability of Small Business Enterprises 22573
Accounting and ERP 22759
Accounting for Business Combinations 22320
Accounting for Business Decisions A 22107
Accounting for Business Decisions B 22207
Accounting for Insolvency 22610
Accounting for Managerial Decisions 22747
Accounting for Overseas Transactions 22309
Accounting Information for Managers 22814
Accounting Information Systems 22708
Accounting Information Systems 22605
Accounting Research and Consulting Skills 22901
Accounting Standards and Regulations 22420
Administrative Law 70617
Adult Education Policy in Context 013973
Adult Education: History, Policy and Context 013125
Adult Education: Past, Present, Future 013168
Adult Learning and Program Development 013142
Adult Learning in Context 013953
Advanced Analogue Model Making Intensive 88619
Advanced Analysis 35322
Advanced Architectural Construction 11233
Advanced Assessment and Diagnosis 92608
Advanced Basic Maths and Science 85015
Advanced Building Regulation 15615
Advanced Building Systems 11282
Advanced CAD Intensive 88620
Advanced Calculus 35232
Advanced Clinical Practice 92894
Advanced Commercial Law 79018
Advanced Communication Skills in Science 60901
Advanced Construction Technologies 16077
Advanced Contracts 76047
Advanced Control 48580
Advanced Corporate Finance 25924
Advanced Criminal Law 76037
Advanced Data Analytics 31005
Advanced Data Analytics Algorithms 32513
Advanced Database 32113
Advanced Design for 2D Animation 88408
Advanced Development Assessment 15614
Advanced Digital Systems 48451
Advanced Econometric Methods for Finance 25860
Advanced Engineering Computing 48371
Advanced Fashion and Textile Techniques 83568
Advanced Financial Planning 25208
Advanced Flow Modelling 49312
Advanced Haematology 91358
Advanced Health Services Planning 92295
Advanced Image Synthesis Techniques 32544
Advanced Immunology 91359
Advanced Instruments 25838
Advanced Internet Programming 31242
Advanced Internet Programming 32549
Advanced Macroeconomics 23917
Advanced Management and Organisation Research Methods 21908
Advanced Manufacturing 48663
Advanced Marketing Strategies 24808
Advanced Mathematics and Physics 68038
Advanced Mechanics 68414
Advanced Mediation 77746
Advanced Mediation 78127
Advanced Microeconomics 23907
Advanced Modelmaking 11285
Advanced Moving Image 57172
Advanced Nanomaterials 68002
Advanced Organisation and Management Theorising 21909
Advanced Physics 68001
Advanced Post Production 57173
Advanced Procurement Methods 16257
Advanced Production Design 88603
Advanced Project Management 32601
Advanced Property Development 17518
Advanced Remedies 76021
Advanced Research Methods for Leisure, Sport and Tourism 27941
Advanced Revenue Law 76016
Advanced Robotics 49274
Advanced Routing Principles 32009
Advanced Screenwriting 57101
Advanced Software Modelling 32536
Advanced Soil Mechanics and Foundation Design 49254
Advanced Stochastic Processes 35466
Advanced Taxation Law 79606
Advanced Topics in Computer Networks 32209
Advanced Trusts Law 78243
Advanced Valuation 16335
Advanced Water and Wastewater Treatment 42991
Advanced Written and Oral Communication 85016
Advances in Requirements Engineering 32550
Advertising Campaign Practice 58129
Advertising Practice 59330
Advertising Research 24510
Advertising Strategies 59333
Advocacy 75413
Advocacy and Social Change 21040
Aerospace Design Processes 48274
Aerospace Operations: Overview of the Aviation Industry 48271
Aesthetics 58212
Aesthetics in Industrial Design 84110
Agile Method Engineering 32106
Air and Noise Pollution 49049
Airconditioning 49322
Airline Operations 48272
Airlines and Transportation Management 27647
Alpine and Lowland Ecology 91163
Alternative Investments 25782
Alternative Perspectives in Contemporary Economics 23623
An Introduction to Patternmaking and Construction 83881
Analog Electronics 48551
Analysing Professional Practice 016715
Analysis of Human Motion 27174
Analysis of Motor Control 27226
Analysis of the Olympic Games 27764
Analytical Biochemistry 91326
Analytical Chemistry 1 65306
Analytical Chemistry 2 65409
Analytical Chemistry 3 65606
Analytics Capstone Project 41004
Analytics Capstone Project B 31243
Anatomical Pathology 91402
Anatomy and Physiology: Pregnancy and Childbirth 92272
Animal Behaviour and Physiology 91363
Animal Law and Policy in Australia 78219
Animal Law and Policy in Australia 76033
Animal Law and Policy in Australia 78218
Animation Concepts Seminar 57130
Animation Design Concept Studio 89213
Animation Design Final Studio 89215
Animation Design Storytelling and Character 89214
Animation for Game Design Concept Studio 89216

Animation for Game Design Final Studio 89218
Animation for Game Design Storytelling and Character 89217
Animation Fundamentals 89210
Animation Genres Seminar 89201
Animation Project 89990
Animation Project A 89991
Animation Project B 89992
Animation Studio: Advanced Animation Practice 82710
Animation Studio: Animation Industry Project 82620
Animation Studio: Animation Practice 88212
Animation Studio: Animation Project Pre-production 82711
Animation Studio: Animation Project/Production 82800
Animation Studio: Foundations in Animation Design 82220
Animation Studio: Foundations in Animation Language 82120
Animation Studio: Narrative Experimentations 88211
Animation Studio: Narrative Investigations 82320
Animation Studio: VFX Design Advanced 88202
Animation Studio: VFX Design Introduction 88201
Application Development in the iOS Environment 41889
Application Development with .NET 31927
Application of Timber in Engineering Structures 49136
Applications of Discrete Mathematics 35111
Applications Programming 48024
Applied Biomechanics 92542
Applied Company Law 79014
Applied Electronics and Interfacing 68316
Applied Exercise Physiology 92563
Applied Geotechnics 49118
Applied International Business 21532
Applied Kinesiology 27171
Applied Leadership and Strategy 27800
Applied Microeconometrics 23572
Applied Portfolio Management 25729
Applied Portfolio Management 25579
Applied Project in Marketing (Capstone) 24100
Applied Project in Marketing Communication (Capstone) 24101
Applied Sport Psychology 27172
Applied Studies 27935
Applying Network Security 41890
Appraisal and Statistics 16126
Aquatic Ecology 91121
Architectural Communications: Building Information Modelling 11316
Architectural Communications: Dynamic Modelling 11314
Architectural Communications: Parametric Modelling 11315
Architectural Design and Construction 11207
Architectural Design: Architectural Communications 11214
Architectural Design: Architectural Communications 2 11208
Architectural Design: Field 11231
Architectural Design: Forming 11211
Architectural Design: Integration 11234
Architectural Design: Making 11209
Architectural Design: Performance 11227
Architectural Design: Strategy 11221
Architectural Experience A 11294
Architectural Experience B 11295
Architectural Experience C 11296
Architectural Experience D 11297
Architectural History and Theory: Critique 11222
Architectural History and Theory: Current Events and Debates 11247
Architectural History and Theory: Modernity and Modernism 11216
Architectural History and Theory: Orientations 11212
Architectural History and Theory: Urbanism and the City 11248
Architectural Practice: Advocacy 11501
Architectural Practice: Finance and Project Management 11502
Architectural Practice: The City 11504
Architectural Practice: The Profession 11503
Architecture and Urban Projects 11235
Architecture Competition Project 11512
Architecture Culture and Environment 11205
Architecture Special Project 11307
Architecture Special Project 2 11318
Architecture Special Topics 11305
Architecture, Cinema and Representation 11309
Arts and Cultural Industries 27753
Arts and Cultural Policy 27763
Arts and Entertainment Industries 27115
Arts Organisations and Management 27755
Asian Law and Legal Systems 76003
Asian-Australian Economics Relations 23304
Assessing Learning 013139
Assessing Learning 013955
Assessment and Therapeutics in Health Care 1 92313
Assessment and Therapeutics in Health Care 2 92314
Asset Management 16675
Assurance for Enterprise Systems 22766
Assurance Services and Audit 22522
Audiences, Users, Publics, Communities 58325
Audio Culture 50835
Audio Production 50834
Auditing and Assurance Services 22730
Australian Aboriginal Politics and History 58326
Australian Civil Liberties Law 76074
Australian Constitutional Law 70616
Australian Conversations 59709
Australian Corporate Environment 22157
Australian Environment 59716
Australian Fiction 58320
Australian Film 58321
Australian Health Care System 92282
Australian Indigenous Social and Political Development 21041
Australian Indigenous Studies 21043
Australian Indigenous Studies Research Project 21042
Australian Language Studies 59712
Australian Media 59713
Australian Pasts and Places 58224
Australian Workplace Cultures 59715
Australians at Work 59714
Balancing World Views: Introduction to Aboriginal Cultures 58227
Banking and Finance Law 78111
Banking and Finance Law 78110
Banking Law 77715
Banking Law 79015
Becoming a Midwife 92622
Beginning Teaching: Surviving and Thriving 010051
Behavioural Finance 25783
Behavioural Finance 25577
Biobusiness and Environmental Biotechnology 91369
Biochemistry, Genes and Disease 91345
Biocomplexity 91123
Biodiversity Conservation 91309
Bioinformatics 42001
Biomechanics of Human Motion 92512
Biomedical Engineering Project 91173
Biomedical Engineering Project A 91171
Biomedical Engineering Project B 91172
Biomedical Instrumentation 49261
Biomedical Law and Bioethics 76070
Biomedical Signal and Image Processing 41105
BioNanotechnology 91140
Bioreactors and Bioprocessing 91368
Biotechnology 91142
Biotechnology Research Project 91539
Biotechnology Research Project A 91537
Biotechnology Research Project B 91538
Bond Portfolio Management 25728
Book Publishing and Marketing 57053
Brand Advertising Strategies 58229
Brand Strategy 88943
Branding Project 88944
Bridge Design 49131
Broadcasting and Telecommunications Regulation 76019
Building and Construction Law 76043
Building Assessment 16076
Building Company Performance 16316
Building Control and Regulations 16085
Building Economics 2 16313
Building Intelligent Agents 32530
Building Regulation 15612
Building Research 1 16904
Building Research 2 16905
Building Resilience in Mothers and Midwives 92018
Building Science/Materials 2 16209
Building Technology 16127
Building Technology and Regulation 12511
Built Environment Economics 16466
Built Environment Law and Ethics 16467
Built Environment Law and Professional Practice 16632
Business and Law in China 78026
Business and Law in China 78118
Business Decisions and Models 22815
Business Ethics and Sustainability 21513
Business Excellence 21743

Business Information Systems 22776
Business Intelligence 32558
Business Intelligence 1: Advanced Analysis 22797
Business Intelligence 2: Advanced Planning 22783
Business Intelligence for Decision Support 32567
Business Intelligence Modelling and Analysis 32568
Business Internship 21999
Business Internship 25999
Business Internship 23999
Business Internship 24999
Business Internship 22999
Business Process and IT Strategy 31245
Business Process Integration with ERP 22782
Business Project Management 22787
Business Project: Marketing 24790
Business Requirements Modelling 31269
Business Statistics 26134
Business Systems Design 32559
Business Valuation and Financial Analysis 22743
Business-to-Business Marketing 24205
Buyer Behaviour 24710
Capital Markets 25741
Capstone Project 48006
Capstone Project 48012
Capstone Project in Business Planning 21126
Capstone Project Part A 48016
Capstone Project Part B 48026
Care of the Acutely Ill Child 92902
Care of the Child in Illness and Disability 92878
Career and Portfolio Development 21856
Career Development in Indigenous Community Management 21045
Career Management for IT Professionals 31016
Career Management for Scientists 69500
Catchment Modelling 49255
Cell Biology and Genetics 91161
Challenges in Midwifery Practice 92283
Change Management 21827
Characterisation of Energy Efficient Materials 68044
Chemical Criminalistics 65544
Chemical Safety and Legislation 65410
Chemistry 1 65111
Chemistry 2 65212
Chemistry 2 (Advanced) 65213
Chemistry and Materials Science 60101
Chemistry and Pharmacology of Recreational Drugs 65643
Child and Family Health Nursing 1 92614
Child and Family Health Nursing 2 92615
Child Development 012222
Child Law in Australia 78129
Child Law in Australia 78128
Children and the Law 76066
Children's Literature and Multi-literacies: Teaching Critical, Cultural, Visual and Digital Literacies through Childrens Books 024705
Children's Theatre and Creative Arts 4: Staging Performances 024424
Children's Theatre and Creative Arts Study 2: Acting and Performing Skills - Genres for Children 024422
Children's Theatre and Creative Arts Study 3: Production and Direction 024423
Children's Theatre and the Creative Arts 1: Overview of World Theatre, Production Roles, Script Writing 024421
Chinese Diagnostic System 1 99618
Chinese Diagnostic System 2 99621
Chinese Festivals and Ceremonies 97111
Chinese Film 97112
Chinese Herbal Formula 1 99651
Chinese Herbal Formula 2 99652
Chinese Language and Culture 1 97101
Chinese Language and Culture 2 97102
Chinese Language and Culture 3 97103
Chinese Language and Culture 4 97104
Chinese Language and Culture 5 97105
Chinese Language and Culture 6 97106
Chinese Mass Media 97109
Chinese Medicine Foundations 1 99665
Chinese Medicine Foundations 2 99666
Cinema and Design from 1960 88430
Cinema and Design to 1960 88330
Circuit Analysis 48530
Citizenship and Immigration Law 76048
Civil Engineering Review 1 49143
Civil Engineering Review 2 49144
Civil Practice 70104
Client and User-centred Designing 89303
Climate Change and Ecological Modelling 91540
Climate Change: Politics and Ecology 58228
Climate Law and Carbon Markets 78107
Climate Law and Carbon Markets 76041
Climate Law and Carbon Markets 78106
Clinic Level 2 and Acupuncture Techniques 1 99668
Clinic Level 3 and Acupuncture Techniques 2 99644
Clinic Level 4 and Acupuncture Techniques 3 99645
Clinic Level 5 and Acupuncture Microsystems 99646
Clinic Level 6 99647
Clinical Bacteriology 91338
Clinical Features of Disease 99584
Clinical Management of Diabetes 92934
Clinical Practice (Diabetes) 93006
Clinical Practice 1 96015
Clinical Practice 1 (TCM) 99630
Clinical Practice 2 96016
Clinical Practice 2 (TCM) 99631
Clinical Practice 3 96017
Clinical Practice 3 99669
Clinical Practice 4 99659
Clinical Practice 4 99670
Clinical Practicum (Therapy and Diagnosis) 91611
Clinical Theory and Clinic Level 1 99667
Cloud Computing and Software as a Service 42904
Cloud Computing and Software as a Service 41001
Cloud Computing Infrastructure 41891
Cloud-based Enterprise Application Development 41005
Collaborative Business Processes 20600
Collaborative Business Processes 31247
Collaborative Law 78247
Collaborative Midwifery Practice 92285
Commerce, Business Studies and Economics Teaching Methods 1 013039
Commerce, Business Studies and Economics Teaching Methods 2 013051
Commerce, Business Studies and Economics Teaching Methods 3 013042
Commerce, Business Studies and Economics Teaching Methods 4 013054
Commercial and Estate Practice 75403
Commercial Arbitration (Domestic) 77752
Commercial Arbitration (Domestic) 78119
Commercial Bank Management 25574
Commercial Environment of IT 32145
Commercial Equity 78221
Commercial Equity 78220
Commercial Law 70327
Commercial Management of Projects 15348
Commercial Retail Property Management 17772
Commercial Trade and Transport Law 76050
Commercial Trade and Transport Law 78231
Common Law Legal Traditions 78234
Common Law Legal Traditions 78103
Communicating with Publics 57023
Communication and Critical Thinking 15312
Communication and Cultural Industries and Practices 58201
Communication and Information Honours Seminar 55067
Communication and Learning 013959
Communication for IT Professionals 31265
Communication for Science 91164
Communication for the Complementary Therapist 92227
Communication Management 013127
Communication Practice Project 58301
Communication Protocols 49202
Communications and Intellectual Property Law Overview 78203
Communications and Technology: A Primer 78213
Communications and Technology: A Primer 78212
Communications Networks 48740
Community Justice Studies 76069
Community Leadership Project 15616
Community Service Learning and Social Entrepreneurship 27603
Companies and Securities Law 77947
Comparative Law 76001
Comparative Local Governance 15619
Competition and Consumer Law 79032
Competition Law 76027
Competition Law in a Global Context 78216
Competition Law in a Global Context 78217
Complex Case Management 92611

Complex Critical Care 92919
Complex Exercise Management 92553
Complex Financial and Property Disputes (in Family Law) 78132
Complex Financial and Property Disputes (in Family Law) 78133
Complex Forensic Cases (Biology) 91139
Complex Forensic Cases (Chemistry) 65743
Complex Forensic Cases (Law for Biology) 79028
Complex Labour, Birth and Puerperium 92623
Complex Newborn Care 92280
Complex Nursing Care: Medical Surgical 92330
Complex Nursing Care: Mental Health 92316
Complex Parenting Disputes 78130
Complex Parenting Disputes 78131
Complex Pregnancy 92624
Complexity and Spatial Analysis 17555
Composing the Real 58115
Computational Finance 25835
Computational Linear Algebra 35212
Computational Methods and Model Implementation 25853
Computational Physics 68416
Computer Game Design 32003
Computer Graphics 32501
Computer Graphics Project 31248
Computer Graphics Rendering Techniques 31249
Computer Modelling and Design 48389
Computer Vision and Image Processing 32210
Computer-aided Industrial Design 84121
Computer-aided Mechanical Design 49325
Computer-based Accounting 22515
Computing Studies Teaching Methods 1 013040
Computing Studies Teaching Methods 2 013052
Computing Studies Teaching Methods 3 013157
Computing Studies Teaching Methods 4 013158
Concepts in Pharmaceutical Sciences 96002
Concrete Design 48353
Concrete Technology and Practice 49151
Conflict of Laws 76112
Conservation and Heritage 171200
Construction 48340
Construction and Development Process 16631
Construction Cost Planning 17553
Construction for Developing Communities 16900
Construction Law and Professional Practice 16421
Construction Materials 48352
Construction MIS 16424
Construction Practice Project 16084
Construction Technology 1 16109
Construction Technology 2 16265
Construction Technology 3 16314
Construction Technology 4 16422
Consumer Behaviour 24202
Consumer Environments 86150
Contaminated Site and Waste Remediation 49116
Contemporary Business Law 79708
Contemporary Canada (Quebec) 979516
Contemporary Canada (Quebec) 976602
Contemporary China 979510
Contemporary China 976111
Contemporary Clinical Midwifery Practice 92019
Contemporary Fashion Styling 83566
Contemporary France 979512
Contemporary France 976411
Contemporary Germany 979514
Contemporary Germany 976421
Contemporary Health Issues 92534
Contemporary Indigenous Health and Wellbeing 92317
Contemporary Issues in Constitutional Law 78021
Contemporary Issues in Health Law 78145
Contemporary Issues in Health Law 78144
Contemporary Issues in Management Accounting Research 22903
Contemporary Italy 976431
Contemporary Italy 979515
Contemporary Japan 976211
Contemporary Japan 979511
Contemporary Latin(o) Americas 979518
Contemporary Latin(o) Americas 976502
Contemporary Legal Studies 1 76075
Contemporary Legal Studies 2 76076
Contemporary Music 1 50830
Contemporary Music 2 50837
Contemporary Spain 979513
Contemporary Spain 976451
Contemporary Switzerland 976404
Contemporary Switzerland 979517
Contemporary Telecommunications 32702
Contemporary Work and Learning 013167
Contemporary World Cinema 58323
Context: 2D Animation Introduction 82121
Context: 3D Animation Introduction 82221
Context: 3D Modelling and Rigging Introduction 82321
Context: Design for Three-dimensional Computer Animation 82520
Context: Experimentations 86113
Context: Experimentations for Animation and VFX 82621
Context: Explorations 86221
Context: Image and Making (Generative Methods) 86009
Context: Image and Making (Representation) 86008
Context: Inhabitations 86114
Context: Interdisciplinary 86222
Contexts for Research Management 95584
Continuity of Midwifery Care 92923
Continuous Communications 48770
Contracts 70211
Control of Mechatronic Systems 49329
Converging Media Industries: Regulatory Challenges 78180
Converging Media Industries: Regulatory Challenges 78177
Copyright and Designs 76084
Copyright Law 77903
Copyright Law 78195
Coral Reef Ecosystems 91126
Core Concepts in Acute Care Nursing 92616
Corporate Accounting 22754
Corporate Environmental Responsibility 79019
Corporate Environments 86160
Corporate Finance 25765
Corporate Finance: Theory and Practice 25557
Corporate Financial Analysis 25743
Corporate Financial Analysis (Capstone) 25410
Corporate Governance 78126
Corporate Governance 78125
Corporate Governance and Strategic Direction 21841
Corporate Governance and Sustainability 21874
Corporate Insolvency 78122
Corporate Insolvency 78121
Corporate Law 70417
Corporate Management and Organisational Change 15608
Corporate Social Responsibility and Measuring Social Impact 21879
Corporate Treasury Management 25763
Cost Management 1: Measurement 16105
Cost Management 2: Estimating 16203
Cost Management 3: Cost Planning 16207
Cost Management 4: Advanced Estimating 16412
Cost Management and Analysis 22753
Cost Management Systems 22321
Course Design and Assessment 010043
Couture Techniques 83883
Creating Event Experiences 27345
Creative Cities, Cultural Communities and Entrepreneurs 58340
Creative Practice and Methods 81512
Creative Producing 57175
Creative Writing Project 58331
Creativity and Complexity 81514
Creativity and Culture 58120
Credit Risk 25850
Crime Scene Investigation 65342
Criminal Law 70218
Criminal Law and Procedure 70114
Criminal Sentencing Law 78030
Criminology 76012
Crisis Negotiation 77792
Crisis Negotiation 78171
Critical Issues in Global Tourism 27348
Critical Issues in Health and Wellbeing 27227
Critical Theory 11310
Cross Cultural Management 21491
Cultural Diversity at Work 013963
Cultural Research Practicum 58336
Cultural Studies Honours Seminar 55068
Culture, Difference and Curriculum 013145
Culture, Science and Nature 58329
Current Issues in Corporate Governance and Assurance 22908
Current Issues in Family Law 78135
Current Issues in Family Law 78134
Current Issues in Sport Business 27100

Current Issues in Taxation 77945
Current Issues in the Community Sector 21143
D Midwifery Dissertation 92980
D Nursing Dissertation 92981
Data Acquisition and Distribution 48570
Data Mining and Visualisation 32131
Data Structures and Algorithms 31251
Data Visualisation and Visual Analytics 32146
Database 32606
Database Fundamentals 31271
Database in Distributed Environments 32535
Database Principles 31061
Database Programming 31253
Decentralised Water and Wastewater Treatment 49127
Deceptive Trade Practices 78123
Deceptive Trade Practices 78181
Deceptive Trade Practices and Product Liability 76023
Decision Making Tools 25841
Defining Cultures 58332
Demonstration Project 11525
Derivative Securities 25620
Derivative Security Pricing 25923
Derivatives 25833
Derivatives and Risk Management 25762
Design Activism 89105
Design Activism 85801
Design and Analysis of Experiments 35356
Design and Innovation Fundamentals 48240
Design Capstone Project 89400
Design Capstone Studio 85839
Design Differences: Community Identities 85509
Design Differences: Community Identities 85605
Design Differences: Intercultural Asia 85506
Design Enterprise: Small Batch Production 88843
Design for Change: Reinvigorating Retail Precincts 89152
Design for Change: Retail Futures 89153
Design for Change: Specific Retail Environments 89151
Design for Stage and Theatre: Classics 88444
Design for Stage and Theatre: Contemporary 88333
Design for Theatre: Self-Devised Project 88666
Design for Theatre: Special Performances 88555
Design for Three-Dimensional Computer Animation 89205
Design for Visual Information Systems 88911
Design Futures: Business Innovation 85601
Design Futures: Creative Technologies 85500
Design Futures: Sustainable Lifestyles 85504
Design in the Wild 84905
Design Interventions: Making Theories 85505
Design Optimisation for Manufacturing 49928
Design Project 89922
Design Project Preliminary 89921
Design Project Specialisation 88952
Design Research: Major Project VC 87900
Design Research: Visualising Research 87933
Design Studio 1: Human-centred Design 89126
Design Studio 2: Social Design Practice/Critical Reflection 89127
Design Studio 3: Resilience and Creative Practice 89128
Design Studio: Design Practice 87832
Design Studio: Directions 86322
Design Studio: Experimentations 86112
Design Studio: Explorations 86531
Design Studio: Foundations in Spatial Design 86005
Design Studio: Foundations in Spatial Language 86004
Design Studio: Industry 86223
Design Studio: Inhabitations 86529
Design Studio: Investigation 86321
Design Studio: Performative Spaces 1 86530
Design Studio: Performative Spaces 2 86533
Design Studio: Photographic Intervention 80065
Design Studio: Realisation 86400
Design Studio: Text and Image 1 87631
Design Studio: Text and Image 2 87632
Design Studio: The Digital Image 80066
Design Studio: Visual Communication and Strategic Design 87831
Design Studio: Visual Experimentations 87731
Design Study Tour 88617
Design Team Management 16263
Design Thinking 85503
Design Thinking in Integrated Product Design 84611
Designing and Developing Simulations and Games 013975
Designing for the Web 58220
Designing Learning for a Digital Generation 013002
Designing Learning for a Digital Generation 013408
Designing with Landscape Elements 11272
Designs Law and Practice 77893
Designs Law and Practice 78194
Developing Health Care Theory 92973
Developing People and Teams 013136
Development Case Study 16343
Development Control 15613
Development Feasibility and Valuation 12535
Development Management 16261
Development Management 15323
Development Negotiation 15145
Differential Equations 35231
Digital and Multiplatform Storytelling 57999
Digital and Multiplatform Storytelling 57178
Digital Architecture Project A 11402
Digital Architecture Project B 11404
Digital Built Environment 16137
Digital Communities 58335
Digital Curation 57153
Digital Design and Construction 1 16212
Digital Design and Construction 2 16470
Digital Electronics 48581
Digital Fashion Multimedia 83564
Digital Forensics 48436
Digital Forensics 32309
Digital Futures 58339
Digital Graphics and the Still Image 95565
Digital Information and Interaction Design 95566
Digital Libraries and Collections 57008
Digital Master Class A 11401
Digital Master Class B 11403
Digital Media Development Process 95563
Digital Media in Social Context 95567
Digital Media Project 95569
Digital Media Technologies 95564
Digital Multimedia 31080
Digital Photography 88902
Digital Sound and the Moving Image 95568
Digital Theory 11521
Digital Theory 11400
Dilemmas in Biomedical Law 78146
Dilemmas in Biomedical Law 78147
Dimensions of Anaesthesia Nursing 92905
Dimensions of Tourism 27184
Directed Study 1 31008
Directed Study 1 32019
Directed Study 2 31009
Directed Study 2 32020
Directed Study 3 31010
Directed Study 3 32021
Directed Study 4 31013
Directed Study 4 32022
Directed Study A 60910
Directed Study B 60911
Directing 57176
Directions in Spatial Experience 86031
Disability and the Law 76010
Disability and the Law 78230
Disability and the Law 78229
Discourse Analysis 013087
Discovering and Accessing Information 57148
Discrete Communications 48771
Disease States for Traditional Chinese Medicine 1 99656
Disease States for Traditional Chinese Medicine 2 99657
Dispute Resolution 79771
Dispute Resolution 78136
Dispute Resolution Advocacy 76052
Dispute Resolution in Civil Practice 78172
Dispute Resolution in Civil Practice 78173
Dispute Resolution in Commerce 77761
Dispute Resolution in Commerce 78124
Dissertation 80041
Dissertation in Health Research 1 98725
Dissertation in Health Research 2 98726
Diversity Management 27326
DNA Profiling 91137
Doctoral Dissertation (SJD) 77688
Doctoral Project 51992
Doctoral Thesis: Facility Management 15461
Doctoral Thesis: Project Management 15464
Doctoral Thesis: Project Management 15460
Documentary Production 57166

Documentary: Expanded, Mobile and Networked 57184
Drafting of Patent Specifications 77894
Drawing and Surveying 16106
Drawing to Diagrams: Topics in Architectural Theory 11311
Dress, Body and Couture 83563
Drug Disposition 96007
Dynamics and Control 48660
e-Business Trading 31000
e-Commerce 31254
e-Learning Design 013967
e-Learning Design 013090
e-Learning Experiences 013966
e-Learning Experiences 1 013091
e-Learning Experiences 2 013092
e-Learning Technologies 013093
e-Market Trading Technology 32133
e-Marketing and Management of Services 27116
Early Interventions in Acute Care Nursing 92617
Ecodesign Practice 84135
Ecohydrology and Climate Change 91551
Ecological Engineering 48821
Ecology 91154
Ecology and Sustainability 49122
Economic Evaluation 49003
Economic Growth and Development 23569
Economic Modelling 23908
Economic Policy Seminar 23918
Economics and Finance of the Life Cycle 25005
Economics for Business 23115
Economics for Business 2 23566
Economics for Management 23706
Economics of Law 23591
Economics of Money and Finance 23418
Economics of the Environment 23570
EdD Thesis: Education 019950
Editing and Design 57150
Educating Students with Special Needs 013006
Education and Cultural Diversity 015144
Education for Practice Development 92607
Education for Social Change 1 013130
Education for Social Change 2 013131
Education in Policy Contexts 013166
Education Study 2: Value 023412
Educational Computing Study 2 021412
Educational Drama 020705
Educational Leadership 013137
Educational Management 013088
Educational Research 023505
Effective Cognitive Learning Strategies 013129
Electrical Machines 48571
Electricity Sector Planning and Restructuring 49026
Electro-acoustic Composition 50842
Electromechanical Automation 48531
Electronic Music Composition 50832
Electronics and Circuits 48520
Embedded C 48430
Embedded Software 48434
Emergencies in Maternity Care 92625
Emergency Management 49285
Emerging Marketing Issues and Social Media 24104
Empirical Asset Pricing 25861
Empirical Corporate Finance 25862
Empirical Finance 25863
Employment and Industrial Law 79031
Enabling e-Business Technology 49228
Enabling Enterprise Information Systems 32557
Energetics of Human Movement 27175
Energy and Environmental Economics 49023
Energy and Water 41010
Energy Conversion 49321
Energy Demand Analysis and Forecasting 49027
Energy Modelling 49024
Energy Resources and Technology 49022
Energy Science and Technology 68412
Engagement, Participation, Gamification 58337
Engaging Texts: Cross-Disciplinary Conversations 89172
Engaging Texts: Cross-Disciplinary Conversations 85803
Engaging Texts: Interpreting Contexts 85802
Engaging Texts: Interpreting Contexts 89110
Engineered Natural Water Treatment Systems 49109
Engineering Analytical Modelling 48071
Engineering Communication 48230
Engineering Computations 48221
Engineering Economics and Finance 48250
Engineering Experience 1 48110
Engineering Experience 2 48130
Engineering Financial Control 49098
Engineering Mechanics 48321
Engineering Practice Preview 1 48121
Engineering Practice Preview 2 48141
Engineering Practice Review 1 48122
Engineering Practice Review 2 48142
Engineering Project Management 48260
English Education 1 012208
English Education 2 012209
English Education 3 024213
English for University Study 59719
English Study 1: Shapes and Patterns in Literary Narrative from Sendak to Shakespeare 024411
English Study 2: Images of Australia, the Place and the People - Literary Representations in Prose, Poetry and Drama 024412
English Study 3: The Literature of Protest 024413
English Study 4: Cultural and Textual Cross-currents 024414
English Teaching Methods 1 013041
English Teaching Methods 2 013053
English Teaching Methods 3 013063
English Teaching Methods 4 013069
Enhancing Local Government Service Delivery 15622
Enterprise Application Development Using Cloud Platforms 42002
Enterprise Business Requirements 32569
Enterprise Computing 32148
Enterprise Content Management 57147
Enterprise Development with .NET 31100
Enterprise Software Architecture and Middleware 32570
Enterprise Software Testing 32571
Entertainment Law 76020
Entrepreneurial Foundations 95572
Entrepreneurship and Commercialisation 48270
Environment and Control 17701
Environment Research Project 91547
Environment Research Project A 91545
Environment Research Project B 91546
Environment Risk Assessment and Remediation 91544
Environmental and Sanitation Engineering 48350
Environmental Assessment and Planning 49121
Environmental Chemical Processes 41011
Environmental Chemistry 65621
Environmental Design 15342
Environmental Ethics 78236
Environmental Forensic Law 79023
Environmental Forensics 91159
Environmental Law 76024
Environmental Law and Science 79004
Environmental Management of Land 49126
Environmental Planning and Development Law 78042
Environmental Planning and Law 48850
Environmental Policy for Energy Systems 49029
Environmental Protection and Management 91145
Environmental Risk Assessment 49125
Environmental Sustainability Education 010052
Environmentally Sustainable Development 17122
Envisioning Futures 81521
Epidemiology and Population Health 92296
Epidemiology and Public Health Microbiology 91330
Equity and Trusts 70517
Ergonomics and Industrial Design 84122
Essentials of Pathophysiology 99636
Estate Planning (UG) 79026
Estate Planning and Trusts 77980
Ethics and Professional Conduct 75420
Ethics and Professional Standards in Finance 25798
Ethics in Finance 25602
Ethics Law and Justice 70103
European Union Law 77704
Evaluating TCM: Theory, Practice and Research 1 91614
Evaluating TCM: Theory, Practice and Research 2 91615
Evaluation of Contaminant Effects 91543
Evaluation of Infrastructure Investments 49021
Event and Leisure Industries 27126
Event Concepts and Contexts 27726
Event Creation Workshop 27727
Event Impacts and Legacies 27192
Event Management 27703
Event Management 27765

Event Marketing 27193
Event Risk Management 27737
Event Sponsorship and Revenue 27194
Evidence 70109
Evidence and Criminal Procedure 70717
Evidence Based Practice 96008
Evidence for Nursing 92318
Evidence-based Practice 92790
Evidence-based Practice 013003
Evidence-based Practice (Midwifery) 92927
Evolution of Technology 16083
Exchange 1A 89971
Exchange 1S 89975
Exchange 2A 89972
Exchange 2S 89976
Exchange 3A 89973
Exchange 3S 89977
Exchange 4A 89974
Exchange 4S 89978
Exchange Elective 1 979501
Exchange Elective 1 (Education) 010140
Exchange Elective 1 (Information Technology) 90001
Exchange Elective 1 (Science) 99870
Exchange Elective 2 979502
Exchange Elective 2 (Education) 010141
Exchange Elective 2 (Information Technology) 90002
Exchange Elective 2 (Science) 99871
Exchange Elective 3 979503
Exchange Elective 3 (Education) 010142
Exchange Elective 3 (Information Technology) 90003
Exchange Elective 3 (Science) 99872
Exchange Elective 4 979504
Exchange Elective 4 (Education) 010143
Exchange Elective 4 (Information Technology) 90004
Exchange Elective 4 (Science) 99873
Exchange Elective 5 979505
Exchange Elective 5 (Information Technology) 90005
Exchange Elective 5 (Science) 99874
Exchange Elective 6 979506
Exchange Elective 6 (Information Technology) 90006
Exchange Elective 6 (Science) 99875
Exchange Elective 7 979507
Exchange Elective 7 (Information Technology) 90007
Exchange Elective 7 (Science) 99876
Exchange Elective 8 (Information Technology) 90008
Exchange Elective 8 (Science) 99877
Exchange Elective A 99850
Exchange Elective B 99851
Exchange Elective C 99852
Exchange Elective D 99853
Exchange Elective E 99854
Exchange Elective F 99859
Exchange Elective G 99860
Exchange Elective H 99861
Exchange Subject 1 76801
Exchange Subject 1 99863
Exchange Subject 1 99881
Exchange Subject 2 76802
Exchange Subject 2 99882
Exchange Subject 2 99864
Exchange Subject 3 99865
Exchange Subject 3 76803
Exchange Subject 3 99883
Exchange Subject 4 99866
Exchange Subject 4 76804
Exchange Subject 4 99884
Exchange Subject A 50720
Exchange Subject B 50721
Exchange Subject C 50722
Exchange Subject D 50723
Exchange Subject E 50724
Exchange Subject F 50725
Exercise Management for Special Populations 27308
Exercise Physiology 92533
Exercise Prescription 27222
Exercise Prescription 92543
Exercise Rehabilitation 92562
Exercise Rehabilitation 27178
Exhibition Design: Concepts and Strategies 88424
Exhibition Design: Methods of Interpretation Project 88626
Exhibition Design: Practice 88323
Exhibition Design: Process-based Project 88525
Experience Branding 88942
Experience Economy 88941
Experiencing Australian Language and Culture 59343
Experimental Design and Sampling 91110
Experimental Fashion Making 88834
Experimental Visual Communications: Final Project 89125
Experimental Visual Communications: Research through Design 85826
Experimental Visual Communications: Research Through Design 89123
Experimental Visual Communications: Visualising the Invisible 89124
Experimental Visual Communications: Visualising the Invisible 85827
Experiments in Culture 58217
Expert Evidence Presentation 65863
Expert Witness 16082
Exploring Media Arts 58113
Exploring Space 1: from Simple Beginnings to Baudrillard 11313
External Marine Study 1 91165
External Marine Study 2 91166
Extreme Programming 31335
Facade Engineering 49115
Facilitation 78138
Facilitation 78137
Facilitation of Clinical Learning 92848
Facility Evaluation 16341
Facility Obsolescence 15324
Facility Performance 15344
Family and Children's Nursing 92319
Family and Community Health Practice 92620
Family Dispute Resolution 78139
Family Dispute Resolution 77760
Family Law 76516
Fashion and Textile Design Major Project 83887
Fashion and Textile Design Special Project 83001
Fashion and Textile Research and Conceptualisation 83774
Fashion and Textiles Entrepreneur 89017
Fashion and Textiles Professional Practice 83823
Fashion and Textiles Research Dissertation 83773
Fashion Communication: An Introduction 83121
Fashion Communication: Drawing and Digital Media 83344
Fashion Cultures 83231
Fashion Design: Past to Present 83343
Fashion Event 83002
Fashion Illustration Fundamentals 2 83233
Fashion Media 88833
Fashion, Gender and Identity 83341
Feature Writing 57014
Fictional Forms 58121
Fictions: Storytelling, Narrative and Drama 58114
Film Animation 57108
Film Animation 57109
Finance and IT 31255
Finance Law 78214
Finance Law 78215
Finance Law 76080
Finance Theory 25864
Financial Analysis 16634
Financial Analysis and Business Valuations 22816
Financial Decision Making Under Uncertainty 25836
Financial Econometrics 25922
Financial Econometrics 25837
Financial Institution Lending 25752
Financial Institution Management 25751
Financial Management 25742
Financial Markets Instruments 25832
Financial Modelling and Forecasting 25705
Financial Planning in Australia 22502
Financial Reporting and Analysis 22748
Financial Reporting, Capital Markets and Disclosure 22902
Financial Risk Management 25849
Financial Services Law and Compliance in Australia 78227
Financial Services Law and Compliance in Australia 78228
Financial Statement Analysis (Capstone) 22319
Financial Statement Analysis and Valuation 22491
Financial Statement Analysis and Valuation 20200
Financial Time Series 25606
Financial Valuation and Strategy 20500
Financial Valuation and Strategy 25050
Financing Construction Projects 16258
Fine Houses of Europe and America 11301
Finite Element Analysis 49047
Fire and Explosion Investigation 65644

Fire Dynamics	16078
Fire Safety Systems	16080
Fisheries Resources	91118
Flood Estimation	49256
Floodplain Risk Management in NSW	49117
Fluid Mechanics	48641
Focused Midwifery Practice	92288
Forensic Biology Research Project	91549
Forensic Biology Research Project A	91548
Forensic Biology Research Project B	91550
Forensic Science Research Project	65033
Forensic Science Research Project A	65032
Forensic Science Research Project B	65072
Forensic Statistics	35255
Forensic Toxicology	65545
Forensic Trust Accounting	16129
Forest and Mountain Ecology	91371
Foundation Mathematics	35010
Foundations in International Studies	976001
Foundations in Patternmaking and Construction 2	83882
Foundations of Communication	57022
Foundations of Law	70102
Foundations of Midwifery Practice	92271
Foundations of Perioperative Nursing	92881
Foundations of Physics	68101
Foundations of the Australian Healthcare System	92638
Francophone Cultures of Consumption	97409
Francophone Identities in Conflict	97407
Freehand Illustration	11291
Freelance Writing	57145
French Language and Culture 1	97401
French Language and Culture 2	97402
French Language and Culture 3	97403
French Language and Culture 4	97404
French Language and Culture 5	97405
French Language and Culture 6	97406
Functional Anatomy	92521
Functional Kinesiology	27180
Fundamentals of Analysis and Multivariable Calculus	35511
Fundamentals of Biomedical Engineering	41101
Fundamentals of Business Finance	25300
Fundamentals of Critical Care Nursing	92918
Fundamentals of Data Analytics	32130
Fundamentals of Derivative Security Pricing	25855
Fundamentals of Electrical Engineering	48521
Fundamentals of Linear Dynamical Systems	35512
Fundamentals of Mechanical Engineering	48620
Fundamentals of Mental Health Nursing	92323
Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1)	92025
Fundamentals of Mental Health Nursing (Graduate Entry)	92015
Fundamentals of Postanaesthesia Recovery Nursing	92760
Fundamentals of Security	41900
Fundamentals of Software Development	32555
Fundraising in International Markets	25812
Funds Development	21183
Furniture Concepts	88931
Furniture Context and Language	88316
Furniture Industry and Development	88516
Furniture Production and Materials	88416
Furniture Prototype	88616
Future Design Strategies	88951
Game Design Studio 1	31102
Game Design Studio 2	31103
Game Programming	32004
Game Theory	23592
Gas Distribution Technology and Management	49702
Gas Sector Planning	49701
Gender, Culture, Power	58318
Gender, Law and Sexuality	76081
General Microbiology	91314
Genetics and the Law	78105
Genetics and the Law	78104
Genetics and the Law	76030
Genocide Studies	50251
Geographic Information Systems	49257
Geography Teaching Methods 1	013044
Geography Teaching Methods 2	013056
Geological Processes	91149
Geotechnical Engineering	48360
German Language and Culture 1	97601
German Language and Culture 10	97610
German Language and Culture 2	97602
German Language and Culture 3	97603
German Language and Culture 4	97604
German Language and Culture 5	97605
German Language and Culture 6	97606
German Language and Culture 7	97607
German Language and Culture 8	97608
German Language and Culture 9	97609
GIS and Remote Sensing	91120
Global Aspects of Intellectual Property Law	78183
Global Aspects of Intellectual Property Law	78015
Global Business Strategies	21873
Global Englishes	013095
Global Governance	99204
Global Histories	99201
Global Information Systems	32531
Global Knowledges	99203
Global Operations and Supply Chain Management	21511
Global Operations and Supply Chain Management	20103
Global Politics from Above and Below	58222
Global Problem Solving	99206
Global Strategic Management	21811
Global Studio: Fashion and Textiles A	88835
Global Studio: Fashion and Textiles A	88831
Global Studio: Fashion and Textiles B	88836
Global Studio: Fashion and Textiles B	88832
Global Studio: Integrated Product Design A	88841
Global Studio: Integrated Product Design B	88842
Global Studio: Interior and Spatial Design B	88622
Global Studio: Visual Communication A	88871
Global Studio: Visual Communication B	88872
Global Work	99202
Global Work Project	99205
Goods and Services Tax	77900
Governance and Leadership of Project Management	15346
Governance and Sustainability	21012
Government and Community Sector	21184
Government and Policy for Leisure, Sport and Tourism	27323
Graduate Project (12cp in 1 semester)	49050
Graduate Project (18cp in 1 semester)	49052
Graduate Project (24cp in 1 semester)	49058
Graduate Project (30cp in 1 semester)	49017
Graduate Project 18cp (Part 1 of 2) (2 x 9cp)	49183
Graduate Project 18cp (Part 1 of 2) (6cp + 12cp)	49195
Graduate Project 18cp (Part 1 of 3) (3 x 6cp)	49189
Graduate Project 18cp (Part 2 of 2) (2 x 9cp)	49184
Graduate Project 18cp (Part 2 of 2) (6cp + 12cp)	49196
Graduate Project 18cp (Part 2 of 3) (3 x 6cp)	49190
Graduate Project 18cp (Part 3 of 3) (3 x 6cp)	49191
Graduate Project 24cp (Part 1 of 2) (2 x 12cp)	49187
Graduate Project 24cp (Part 1 of 2) (9cp + 15cp)	49197
Graduate Project 24cp (Part 1 of 3) (3 x 8cp)	49192
Graduate Project 24cp (Part 2 of 2) (2 x 12cp)	49188
Graduate Project 24cp (Part 2 of 2) (9cp + 15cp)	49198
Graduate Project 24cp (Part 2 of 3) (3 x 8cp)	49193
Graduate Project 24cp (Part 3 of 3) (3 x 8cp)	49194
Graduate Project 30cp (Part 1 of 2) (2 x 15cp)	49153
Graduate Project 30cp (Part 1 of 3) (3 x 10cp)	49155
Graduate Project 30cp (Part 1 of 3) (6cp + 12cp + 12cp)	49147
Graduate Project 30cp (Part 2 of 2) (2 x 15cp)	49154
Graduate Project 30cp (Part 2 of 3) (3 x 10cp)	49156
Graduate Project 30cp (Part 2 of 3) (6cp + 12cp + 12cp)	49148
Graduate Project 30cp (Part 3 of 3) (3 x 10cp)	49157
Graduate Project 30cp (Part 3 of 3) (6cp + 12cp + 12cp)	49149
Graduation Exhibition	80031
Grammar and the Construction of Meaning	013096
Graphic Visualisation	89200
Green Building Evaluation	17774
Group Project A: Urban Renewal	15143
Group Project B: Greenfields Development	15144
GST and other Indirect Taxes	79022
Health and Homeostasis	91528
Health and Lifespan Development	92524
Health and Society	92320
Health Assessment and Nursing Therapeutics	92017
Health Breakdown	92713
Health Care Research Methodology	92972
Health Promotion	92544
Health Promotion	27341
Health Promotion and Health Education	92721
Health Services Dissertation	92979
Health Systems and Change	92297
Health Technology Assessment	23787
Heat Transfer	48661

High Performance Computing 35383
Higher Degree Research Seminar 77697
Histology 91500
Histories of Visual Information Design 88912
History and Theory of Intellectual Property 78238
History Teaching Methods 1 013045
History Teaching Methods 2 013057
Honours (Chemistry) 1 65861
Honours (Chemistry) 2 65862
Honours (Forensic Science) 1 65864
Honours (Forensic Science) 2 65865
Honours FT (Environmental Science) 1 91105
Honours FT (Environmental Science) 2 91106
Honours FT (Medical and Molecular Bioscience) 1 91103
Honours FT (Medical and Molecular Bioscience) 2 91104
Honours Project 31482
Honours Research 1 16262
Honours Research 2 16259
Honours Research 3 16260
Honours Research 4 16671
Honours Research Proposal 16660
Honours Seminar 1 35472
Honours Seminar 2 35473
Honours Seminar 3 35474
Honours Seminar 4 35475
Honours Thesis 11393
Honours Thesis (FT) 55004
Honours Thesis (Production) (FT) 55006
Honours Thesis (Production) Part A 55061
Honours Thesis (Production) Part B 55062
Honours Thesis 1 276901
Honours Thesis 1 023634
Honours Thesis 2 023635
Honours Thesis 2 276902
Honours Thesis Part A 55057
Honours Thesis Part B 55058
Honours Thesis: Preparatory 11392
Honours Workshop 55069
Hospitality Environments 86024
Hotel Management 27347
House and Housing 11304
HSIE Study 2: Conflicts and Resolutions 022203
HSIE Study 3: Multicultural Australia in its Asia-Pacific Regional Context, Implications for Teaching 022204
Human Anatomy and Physiology 91400
Human Behaviour in Fire 16081
Human Pathophysiology 91239
Human Performance in Sport and Exercise 27173
Human Resource Development in Organisations 013097
Human Resource Management 21720
Human Resource Management 21555
Human Resource Management 20104
Human Resource Management (Capstone) 21505
Human Resources and Communications Management 16914
Human Resources and Organisational Development 013147
Human Rights Law 78151
Human Rights Law 78182
Human-Computer Interaction 31777
Hydraulics and Hydrology 48362
ICT Analysis 48471
ICT Design 48481
ICT in Primary Education: Current Issues and Applications 021702
Ideas in History 58103
Identity, Culture and Communication 013980
Ideology, Beliefs and Visions 58218
Illustration 1: Media and Techniques 88304
Illustration 2: Professional Applications 88404
Illustration 3 88504
Illustration 4 88604
Image Processing and Pattern Recognition 31256
Imaging Science 68315
Imagining the Real 58216
Improving Quality and Safety in Health Care 92022
In-country Study 1: Argentina 977542
In-country Study 1: Canada 977543
In-country Study 1: Chile 977520
In-country Study 1: China 977110
In-country Study 1: Colombia 977911
In-country Study 1: France 977410
In-country Study 1: Germany 977420
In-country Study 1: Italy 977430
In-country Study 1: Japan 977210
In-country Study 1: Latino USA 977620
In-country Study 1: Mexico 977530
In-country Study 1: Spain 977450
In-country Study 1: Switzerland 977460
In-country Study 2: Argentina 978542
In-country Study 2: Canada 978543
In-country Study 2: Chile 978520
In-country Study 2: China 978110
In-country Study 2: Colombia 978911
In-country Study 2: France 978410
In-country Study 2: Germany 978420
In-country Study 2: Italy 978430
In-country Study 2: Japan 978210
In-country Study 2: Latino USA 978620
In-country Study 2: Mexico 978530
In-country Study 2: Spain 978450
In-country Study 2: Switzerland 978460
In-country Study in Australia 979509
In-country Study: Argentina 978145
In-country Study: Canada 978134
In-country Study: Chile 978135
In-country Study: China 978136
In-country Study: Colombia 978912
In-country Study: France 978137
In-country Study: Germany 978138
In-country Study: Italy 978139
In-country Study: Japan 978140
In-country Study: Latino USA 978141
In-country Study: Mexico 978142
In-country Study: Spain 978143
In-country Study: Switzerland 978144
Independent Project: Conceptual Development 80029
Independent Project: Designed Outcome 80028
Independent Study 86044
Independent Study 022602
Independent Study in Development Planning 16679
Independent Study in Finance and Investment 16678
Independent Study in Valuation and Law 16674
Independent Study Project 1 013098
Independent Study Project 2 013159
Indigenous and Migrant Cultures 59717
Indigenous Community Organisation Practicum 21211
Indigenous Community Research 21224
Indigenous Futures 58327
Indigenous Peoples and the Law 76068
Indigenous Peoples, the Environment and Property 76703
Individual Communication in the Workplace 013960
Individual Difference and Vocational Education Teaching 013152
Individualised Project 1 013099
Industrial and Labour Law 79013
Industrial Design Communications 84112
Industrial Design Digital Communication 84114
Industrial Design Directions 84131
Industrial Design Major Project: Realisation 84904
Industrial Design Major Project: Research and Conceptualisation 84902
Industrial Design Professional Communication 84134
Industrial Design Professional Practice 84772
Industrial Design Professional Project 84903
Industrial Design Project 700A 84771
Industrial Design Special Project 84000
Industrial Design Theory 84133
Industrial Law 76053
Industrial Organisation 23593
Industrial Relations 21702
Industry Economics 16072
Industry Project 32040
Industry Project 1 27361
Industry Project 1 31491
Industry Project 2 27362
Industry Project 2 31492
Industry Project Studies A 15456
Industry Study 1 31489
Industry Study 2 31490
Information and Knowledge Management Major Paper 57149
Information and Knowledge Management Project 57009
Information and Knowledge Management Project Part A 57104
Information and Knowledge Management Project Part B 57105
Information Architecture and Design 57084
Information Cultures 58127
Information Discovery and Analysis 58126
Information Management Application 92926
Information Research and Data Analysis 57089

Information Research Project 50190
Information System Development Methodologies 31257
Information System Development Methodologies 20601
Information Systems and Organisation Development 31735
Information Systems Architecture Design 32560
Information Systems Strategy 32208
Information Technology Strategy 32703
Informing Industrial Design 84115
Informing Integrated Product Design 84118
Infrastructure for Cloud Computing 42891
Initiatives and Entrepreneurship 81516
Initiatives in Aboriginal Education 013148
Innovation and Commercialisation in Integrated Product Design 84812
Innovation and Entrepreneurship 20105
Innovation and Entrepreneurship 21869
Innovation and Entrepreneurship 21227
Innovation and Entrepreneurship 21854
Innovation and Entrepreneurship A 85808
Innovation and Entrepreneurship B 85809
Innovation and Entrepreneurship: A 89107
Innovation and Entrepreneurship: B 89171
Innovation Capstone: Realisation and Transformation 81532
Innovation Capstone: Research and Development 81531
Innovation Internship A 81522
Innovation Internship B 81525
Innovation Processes 48081
Innovation, Entrepreneurship and Commercialisation 60904
Innovations for Global Relationship Management 31258
Innovative Services Management 27778
Inorganic Chemistry 1 65411
Inorganic Chemistry 2 65509
Inside Design 84610
Insolvency 76115
Insolvency Administration 79033
Insolvency, Restructuring and Turnaround Management 72104
Insurance Law 78196
Insurance Law 77930
Insurance Law 76022
Integrated Arts Therapy 2 013080
Integrated Business Consulting 21886
Integrated Communication 58312
Integrated Logistic Support 49655
Integrated Marketing Communications 24210
Integrated Nursing Concepts 92331
Integrated Nursing Practice 92312
Integrated Product Design Communications 84116
Integrated Product Design Digital Communication 84117
Integrated Product Design Major Project: Realisation 84907
Integrated Product Design Professional Communication 84813
Integrated Project Delivery Management 15349
Integrated Risk Management 25840
Integrated Services 11204
Integrated Services 16471
Integrated Services Networks 49201
Integrated Strategic Planning 15603
Integrated Therapeutics 1 96006
Integrated Therapeutics 2 96010
Integrated Therapeutics 3 96013
Integrating Business Perspectives 20100
Integrating Business Perspectives 26100
Intellectual Property and Traditional Knowledge 78187
Intellectual Property and Traditional Knowledge 76521
Intellectual Property and Traditional Knowledge 78186
Intellectual Property Commercialisation 78189
Intellectual Property Commercialisation 78188
Intellectual Property Commercialisation 79006
Intellectual Property Commercialisation Overview 76056
Intellectual Property: Law and Policy 78025
Intellectual Property: Law and Policy 78185
Intellectual Property: Law and Policy 78184
Intelligent Agents 31259
Interaction Design 32509
Interaction-based Designing 80064
Interactivation Studio A 85833
Interactivation Studio B 85834
Interactivation Studio: Autumn 89111
Interactivation Studio: Final Project 89113
Interactivation Studio: Spring 89112
Interactive Arts 32029
Intercultural and International Communication 57025
Interdisciplinary Design Experience: Undergraduate 85603
Interdisciplinary Design Lab 85702
Interdisciplinary Design Lab: Undergraduate 85602
Interdisciplinary Lab A 85202
Interdisciplinary Lab B 85302
Interest Rate Modelling 25857
Interface Design 31260
Interior Design Communication 86420
Interior Design Communication: Digital Media 86110
Interior Design Conceptualisation 86003
Interior Design History 86021
Interior Design Major Project 86880
Interior Design Major Project: Realisation 86043
Interior Design Major Project: Research and Conceptualisation 86041
Interior Design Professional Project 86042
Interior Design Research Dissertation 86780
Interior Design Seminar 86872
Interior Elements and Design Detail 86025
Interior Materiality and Design Detail 86320
Interior Routing and High Availability 42902
Interior Systems and Design Detail 86133
Intermediate Macroeconomics 23568
Intermediate Microeconomics 23567
Internal Combustion Engines 49307
International Accounting 22240
International Accounting 22777
International and Comparative Family Law 78141
International and Comparative Family Law 78140
International and Comparative Journalism 57138
International Aspects of Australian Taxation Law 79021
International Banking and Finance Law 77724
International Banking Management 25052
International Banking Management 20502
International Business Capstone 21506
International Business Consulting 26800
International Business Transactions and the Law 79603
International Commercial Arbitration 77751
International Commercial Arbitration 78233
International Commercial Dispute Resolution 77800
International Commercial Dispute Resolution 77783
International Commercial Transactions 78152
International Commercial Transactions 76903
International Commercial Transactions 78153
International Construction 16074
International Criminal Law 78154
International Criminal Law 78010
International Design 83772
International Development Law 78201
International Development Law 78202
International Economic Law (PG) 77701
International Environmental Law 77794
International Environmental Law: Policy and Implementation 78155
International Environmental Law: Policy and Implementation 78156
International Exchange Subject 1 99021
International Exchange Subject 2 99022
International Exchange Subject 3 99023
International Exchange Subject 4 99024
International Feminist Perspectives 78239
International Finance 25731
International Financial Management 25421
International Financial Management 20501
International Financial Management 25053
International Human Resources Management 21833
International Human Rights Law 76007
International Humanitarian Law 78016
International Management 21717
International Management Field Study 21595
International Marketing 20400
International Marketing 24220
International Organisations 76025
International Organisations 78206
International Organisations 78207
International Perspectives in Midwifery 92286
International Property Investment 16338
International Risk Management and Insurance 25051
International Sale of Goods 78011
International Study 029410
International Taxation Law 77953
International Trade and Investment 20300
International Trade and Investment 23491
International Trade Law 77716
International Trade Law and the Environment 78224

International Trade Law and the Environment 76036
International Trade Law and the Environment 78023
Internet Programming 32516
Internet Quality of Service (QoS) 32012
Internetwork Design 32527
Internetworking Project 31261
Interpretation and Validity of Patent Specifications 77895
Interpreting Cultural Space 86213
Interrogating Technology: Sustainability, Environment and Social Change 48210
Introduction to Analysis and Multivariable Calculus 35102
Introduction to Chinese Business Law 76009
Introduction to Chinese Herbal Medicine 99567
Introduction to Civil and Environmental Engineering 48310
Introduction to Communication 85011
Introduction to Community Management 21134
Introduction to Computer Game Design 31262
Introduction to Computer Game Programming 31263
Introduction to Computer Graphics 31264
Introduction to Construction and Structural Synthesis 11206
Introduction to Cultural Research 58333
Introduction to Data Analytics 31250
Introduction to Design for 2D Animation 88308
Introduction to Doctoral Research 016716
Introduction to e-Business Technology 32120
Introduction to Electrical Engineering 48510
Introduction to Film Studies 58225
Introduction to Forensic Science 65034
Introduction to ICT Engineering 48410
Introduction to Information Systems 31266
Introduction to Innovation 48080
Introduction to IT Management 32147
Introduction to Journalism 58110
Introduction to Language 013102
Introduction to Law 70110
Introduction to Law 16108
Introduction to Linear Dynamical Systems 35101
Introduction to Materials 68070
Introduction to Maths 85012
Introduction to Mechanical and Mechatronic Engineering 48610
Introduction to Pharmacy 96001
Introduction to Photography 88805
Introduction to Production Design 88503
Introduction to Property 16123
Introduction to Quantitative Management 35140
Introduction to Research 15462
Introduction to Sample Surveys 35100
Introduction to Social Inquiry 58122
Introduction to Specialty Practice: Aged Care Nursing 92339
Introduction to Specialty Practice: Australian Indigenous Health Care 92338
Introduction to Specialty Practice: Community Health Nursing 92332
Introduction to Specialty Practice: Critical Care Nursing 92333
Introduction to Specialty Practice: Family and Child Health Nursing 92334
Introduction to Specialty Practice: Mental Health Nursing 92335
Introduction to Specialty Practice: Paediatric Nursing 92340
Introduction to Specialty Practice: Palliative Care 92336
Introduction to Specialty Practice: Perioperative Nursing 92341
Introduction to Specialty Practice: Women's Health 92337
Introduction to Statistics 35151
Introduction to Taxation Law 77938
Introduction to the Built Environment 16468
Introductory Control 48560
Introductory Digital Systems 48441
Introductory Econometrics 23571
Introductory Haematology and Immunology 91401
Introductory Health Economics 26703
Introductory Pharmacology and Microbiology 91604
Inventive Media Advertising 57131
Investigating Health Care Change 92974
Investigating Media, Reflective Practices 58324
Investigation of Human Remains 91138
Investigative Journalism 57161
Investigative Research in the Digital Environment 57152
Investment Analysis 25503
Investment Analysis and Risk Management 20503
Investment Analysis and Risk Management 25491
Investment and Portfolio 16332
Investment Banking 25575
Investment Management 25721
iOS Application Development 42889
IP Telephony and Voice over IP 32552
Islamic Architecture 630-1700 11287
Islamic Law 76005
Issues in Aboriginal Education 013103
Issues in Australian Health Services 92606
Issues in Corporate Finance 25558
Issues in Documentary 57061
Issues in Indigenous Australian Education 012225
Issues in Indigenous Australian Education 013004
Issues in Neonatal Care 92895
IT Contracts and Outsourcing 32990
IT Experience 1 31137
IT Experience 2 31139
IT Operations Management 31097
IT Professional and Society 32563
Italian Language and Culture 1 97801
Italian Language and Culture 10 97810
Italian Language and Culture 2 97802
Italian Language and Culture 3 97803
Italian Language and Culture 4 97804
Italian Language and Culture 5 97805
Italian Language and Culture 6 97806
Italian Language and Culture 7 97807
Italian Language and Culture 8 97808
Italian Language and Culture 9 97809
Japanese Films and Popular Culture 97207
Japanese Language and Culture 1 97201
Japanese Language and Culture 2 97202
Japanese Language and Culture 3 97203
Japanese Language and Culture 4 97204
Japanese Language and Culture 5 97205
Japanese Language and Culture 6 97206
Japanese Language and Identity 97208
Japanese Media and Current Issues 97209
Jessup International Moot 76039
Journalism Internship 57021
Journalism Major Project 1 57185
Journalism Major Project 2 57186
Journalism Studies 57013
Judgement and the Rule of Law 76057
Judgment and Decision Making 49001
Jurisprudence 76008
Justice 78235
Knowledge Management and the Organisation 57087
Knowledge Management Strategies 57103
Knowledge Transfer and Research Commercialisation 95570
Knowledge Utilisation and Policy in Health Services and Practice 93002
Labour and Industry in the Global Context 23564
Labour Economics 23021
Labour Law 76015
Land Acquisition Statutory Valuation and Litigation 17775
Language and Contexts of Australian Engineering 48027
Language and Discourse 58102
Language and Power 013104
Language Development 013105
Language Programming and Assessment 013141
Language Teaching Methodology 013958
Language Teaching Methods 1 013046
Language Teaching Methods 2 013058
Language Teaching Methods 3 013064
Language Teaching Methods 4 013070
LANS and Routing 32524
Law and Literature 76902
Law and Literature 78210
Law and Literature 78211
Law and Medicine 77734
Law and Medicine 78148
Law and Mental Health 76038
Law and Mental Health 78150
Law and Mental Health 78149
Law and Place 78237
Law and Regulation 78163
Law and Regulation 78164
Law for Leisure, Sport and Tourism 27628
Law of Slavery and Human Trafficking 78223
Law of Slavery and Human Trafficking 78222
Law of Slavery and Human Trafficking 76034
Law of the Sea 78008
Leadership and People Management 32553
Leadership and Responsibility 49069
Leadership and Teamwork in Science 60905
Leadership and Workplace Communication 95573

Leadership, Accountability and Role Development in Advanced Practice 98728
Leadership, Coaching and Mentoring 21722
Leading Change in Health Services and Practice 93005
Leading Innovation 81515
Leading Learning in the Workplace 013165
Lean Construction 16921
Learning and Change 013951
Learning and Change in Organisations 013128
Learning Beyond the Classroom 022601
Learning in Diabetes Education 015356
Learning in Organisations 57995
Learning in Personal Development, Health and Physical Education 1 023125
Learning in Personal Development, Health and Physical Education 2 023126
Learning in Science and Technology 1 012213
Learning in Science and Technology 2 012214
Legal and Professional Skills 75424
Legal Aspects of Contracts Administration 77942
Legal Issues for the Experience and Not-for-Profit Industries 27729
Legal Method and Research 70120
Legal Perspectives on the Internet 78204
Legal Process and Intellectual Property Overview 77896
Legal Process and Legal Research 77885
Legal Skills 75412
Lifespan Development 27228
Light, New Materials and Form 86023
Lighting Studio: Final Project 89116
Lighting Studio: Light, Materials and Space 85831
Lighting Studio: Light, Materials and Space 89115
Lighting Studio: Light, Time and Change 89114
Lighting Studio: Time and Change 85830
Lighting, Acoustics and Advanced Environmental Control 11232
Literacy and Numeracy in and for Work 013150
Litigation and Estate Practice 75423
Live Sound 50843
LLM Project by Research 78102
Local Environmental Management 15609
Local Governance Project 15620
Local Government Leadership: Personal and Professional Skills 15610
Local Government Management Principles and Practice 1 15604
Local Government Management Principles and Practice 2 15605
Local Government Powers and Practice 49108
Local Transformations 58124
Locative and Sensor Design Technologies 80214
Logistic Support Analysis 49679
MA Writing Project 50428
Machine Dynamics 48640
Macroeconomics for Property 16633
Major Project ID 84880
Major Project VC 87880
Major Project: Analysis 15303
Major Project: Methods 15302
Major Project: Outcomes 15304
Management and Organisation Seminars 21915
Management and Organisations 21800
Management Capstone 21504
Management Capstone 20106
Management Consulting 21008
Management Consulting 21228
Management Decisions and Control 22421
Management for Clinicians 92932
Management Knowledge 21229
Management Planning and Control 22705
Management Project 21058
Management Project 21815
Management Project Design 21814
Management Research Methods 21751
Management Research Methods 32930
Management Research Project 32932
Management Skills 20101
Management Skills 21440
Management Skills 21779
Managerial Corporate Finance 25844
Managerial Economics 23845
Managerial Finance 25846
Managerial Marketing 24800
Managing Aerospace Processes 48273
Managing Client/Vendor Relations 31096
Managing Community Organisations 21766
Managing Complex Projects 15311
Managing Consulting 21011
Managing Digital Information 58315
Managing Employee Relations 21037
Managing for Sustainability 21832
Managing Human Resources in Indigenous Organisations 21225
Managing Information Technology in Engineering 49013
Managing Local Enterprise 15611
Managing Operations 21741
Managing Organisational Change 32561
Managing Organisational Communication 57994
Managing Organisations by Project 15333
Managing People and Organisations 21129
Managing Project Complexity 15327
Managing Projects 49002
Managing Public Communication Strategies 57024
Managing Quality, Risk and Cost in Health Care 92603
Managing Research Careers 95585
Managing Science-based Enterprises 60907
Managing Strategic Performance 21036
Managing Tourism Services 27706
Managing Work and People 21844
Manufacturing Engineering 48621
Marine Communities 91157
Marine Geosciences 66513
Marine Productivity and Climate Change 91156
Marketing Analytics 24750
Marketing Analytics and Decisions 24331
Marketing and Corporate Communication 57996
Marketing Channel Management 24713
Marketing Channels 24222
Marketing Communications 24736
Marketing for the Experience Industries 27734
Marketing Foundations 24108
Marketing Law 79011
Marketing Management 24734
Marketing Planning and Strategy 24415
Marketing Promotions for Fashion 83565
Marketing Research 24720
Marketing Research 24309
Marketing Strategy 24730
Marketing Strategy in Practice 24807
Marketing Technology 42905
Master Class Design Technologies 1 11523
Master Class Design Technologies 2 11524
Master Class Urban Design 11522
Master of Arts Thesis 51984
Master of Business Thesis (Accounting) 22990
Master of Business Thesis (Economics) 23990
Master of Business Thesis (Finance) 25990
Master of Business Thesis (Management) 21990
Master of Business Thesis (Marketing) 24990
Master of Creative Arts Thesis 51985
Master of Engineering Thesis 49776
Master of Health Services (Honours) Thesis 92977
Master of Midwifery (Honours) Thesis 92976
Master of Nursing (Honours) Thesis 92975
Master of Pharmaceutical Sciences Thesis 95591
Master of Pharmacy Thesis 95590
Master of Science Thesis 91774
Master of Sport and Exercise Thesis 92052
Master of Sustainable Futures Thesis 95583
Masters Architectural Design Studio 1 11551
Masters Architectural Design Studio 2 11552
Masters Architectural Design Studio 3 11553
Masters Architectural Design Studio 4 11554
Masters Architectural Design Thesis 11555
Masters Project 27946
Material Manipulation 84123
Materials Handling 49316
Materials Performance 48365
Materials Science 16103
Materials Testing 48364
Mathematical Finance 25851
Mathematical Methods 35335
Mathematical Modelling 1 33130
Mathematical Modelling 2 33230
Mathematical Modelling for Science 33190
Mathematical Research Project 35114
Mathematical Research Project A 35112
Mathematical Research Project B 35113
Mathematical Statistics 35252
Mathematics for Economics and Business 23565

Mathematics for Physical Science 33360
Mathematics of Finance 25839
Mathematics Teaching and Learning 1 012210
Mathematics Teaching and Learning 2 012211
Mathematics Teaching and Learning 3 012212
Mathematics Teaching Methods 1 013047
Mathematics Teaching Methods 2 013059
Mathematics Teaching Methods 3 013065
Mathematics Teaching Methods 4 013071
Maths for Numeracy Teachers 013831
Measurement and Analysis of Physical Processes 68415
Measurement and Development of Physical Capacity 27152
Mechanical and Mechatronic Design 48670
Mechanical Applications 48662
Mechanical Design 1 48600
Mechanical Design 2 48650
Mechanical Vibration and Measurement 48601
Mechanics of Human Motion 27111
Mechanics of Solids 48331
Mechatronics 1 48622
Mechatronics 2 48623
Media and Entertainment Law and Regulation 78165
Media and Entertainment Law and Regulation 78166
Media Arts and Production Major Project 57180
Media Arts and Production Minor Project 57177
Media Arts Project 58311
Media Hub 58310
Media Law 76063
Media Planning 24207
Media Relations 57132
Media Writing and Production 58214
Media, Mediation, Power 58226
Mediation Practice 78029
Mediation Practice 78174
Medical and Applied Physiology 91708
Medical and Diagnostic Biochemistry 91344
Medical Classics and the History of Chinese Medicine 91610
Medical Devices and Diagnostics 91705
Medical Imaging 91403
Medical Surgical Nursing 92322
Medical Surgical Nursing (Graduate Entry) 92024
Medicine and Law 76045
Memory and Life Writing 57162
Men's Collection 83884
Mental Health Assessment 92604
Mentoring in the Workplace 013106
Mergers and Acquisitions 25807
Mergers and Acquisitions Law 78244
Metabolic Biochemistry 91320
Methods for Energy Analysis 49025
Microbial Ecology 91170
Microscopy and Cytometry 91535
Midwifery as Primary Health Care 92631
Midwifery Caseload Practice 92287
Midwifery Honours Dissertation 1 92265
Midwifery Honours Dissertation 2 92266
Midwifery in Complex Situations 92785
Midwifery in Context 92020
Midwifery Practice 1 92873
Midwifery Practice 1: Preparation for Practice 92632
Midwifery Practice 2 92893
Midwifery Practice 2: Supporting Women 92630
Midwifery Practice 3: Complex Pregnancy 92626
Midwifery Practice 4: Complex Labour, Birth and Puerperium 92627
Midwifery Practice 5: Working with Women 92628
Midwifery Practice 6: Transitions to Being a Midwife 92629
Midwifery Practice Development 92938
Mining Law and Regulation 78232
Mining Law and Regulation 76055
Minor Project 15345
Mise-en-Scene 57989
Mobile Applications Development 31285
Mobile Commerce Technologies 32001
Mobile Communications 48780
Mobile Communications and Computing 32118
Mobile Computing Project 31091
Mobile Networking 31275
Models of Midwifery Care 92925
Modern Places 88009
Modern Western Aesthetics 11312
Molecular Biology 1 91132
Molecular Biology 2 91335
Molecular Nanotechnology 67509
Molecule to Market 96014
Monitoring Ecological Variability 91541
Monitoring Organisational Performance 21140
Moot 76900
Moot Court 16346
Motor Learning and Control 92555
Moving Image 57169
Moving Image 57167
Multi Protocol Label Switching 42903
Multilayer Switched Networks 32011
Multimedia Systems Design 32027
Multivariate Statistics 35457
Music and Society 026702
Music Study 1 026411
Music Study 2 026412
Music Therapy 1 013075
Music Therapy 2 013076
Music Therapy 3 013077
Music Therapy 4 013078
Music, Movement and Dance 012219
Musical Instrument Design 50844
Nanomaterials 68075
Nanotechnology Honours Research 1 68003
Nanotechnology Honours Research 2 68004
Narrative and Storymaking in Education and Change 013164
Narrative and Theory 58330
Narrative Writing 57041
Narrative Writing for Animation 89211
Native Title 17121
Natural Australia 59711
Negotiation 78175
Negotiation 77745
Negotiation and Conflict Management 15325
Network and Combinatorial Optimisation 35344
Network Design 31246
Network Fundamentals 48720
Network Management 31274
Network Management 32528
Network Planning and Management 48750
Network Security 32548
Network Security 48730
Network Security Appliances 32310
Network Servers 31338
Networked Enterprise Architecture 31276
Networked Enterprise Design 31950
Networking Essentials 31270
Neural Networks and Fuzzy Logic 49275
Neuroscience 91706
Neuroscience: Degenerative and Oncological 92921
Neuroscience: Trauma and Cerebrovascular 92920
New Families, New Technologies 78142
New Families, New Technologies 78041
New Media and Social Change 013163
New Perspectives in Local Government Leadership 15618
New Product Management 24742
New Product Marketing 24223
New Textiles and Technologies 83888
Ngiya - Talk the Law: Editorial Role 76083
Non-fiction Project Development 57163
Non-fiction Writing 57031
Non-fiction Writing Project 57164
Nonlinear Methods in Quantitative Management 35342
Not-for-Profit Sector Theory and Context 21767
Notation and Scoring 50840
Novel Writing 57124
Numerical Analysis for Quantitative Finance 25852
Numerical Methods of Finance 35366
Nursing Care of the Older Person 92315
Nursing Honours Dissertation 1 92291
Nursing Honours Dissertation 2 92292
Nutrition for Health and Physical Activity 92547
Nutrition for Health and Physical Activity 27105
Object and Accessory Design 1: Foundations 88000
Object and Accessory Design 2: The Cast Object 88002
Object and Accessory Design 3: Soft Tooling and Rapid Prototyping 88001
Object and Accessory Design 4: Capstone Project 88003
Object-oriented Technology 49247
Object-Relational Databases 42901
Object-relational Databases 31075
Objects and Accessories Studio: Final Project 89133
Objects and Accessories Studio: Fold 89131

Objects and Accessories Studio: Fold 85836
Objects and Accessories Studio: Layer 89132
Objects and Accessories Studio: Layer 85837
Observational Photography 88901
Olympic Games and Mega Events 27103
Online Documentary 50001
Online Journalism 57155
Operations and Value Chain Strategy 21871
Operations Engineering 49989
Optics and Nanophotonics 68513
Optimisation in Quantitative Management 35241
Orchestration and Timbre 50841
Organic Chemistry 1 65202
Organic Chemistry 2 65508
Organisational Analysis 21872
Organisational Behaviour in Practice 21875
Organisational Change and Communication 57035
Organisational Communication 58231
Organisational Design for the Knowledge Era 42990
Organisational Dialogue: Theory and Practice 21878
Organisational Learning 013972
Organisational Learning 013162
Organisational Learning and Change: Local and Global 013979
Organisational Management in Health Care 92887
Organisational Structure and Change 21221
Organisational Workplace Learning 013055
Organising Information 57146
Parasitology 91352
Parliamentary Placement 50260
Past, Present, Future of Innovation 81513
Patent Law 77898
Patent Law 78190
Patent Systems 78191
Patent Systems 77891
Pathophysiology and Pharmacology 1 91529
Pathophysiology and Pharmacology 2 91530
Pathophysiology and Pharmacology 3 91527
Pavement Analysis and Design 49258
PDHPE Study 1: Theory and Practice of Personal Development Health and Physical Education and Support 027411
People Management for IT 32995
People, Information and Knowledge 57100
Perception Space Materials: Constructing Materials - Expanded Field of Practice 89143
Perception Space Materials: Design Philosophy - Spatial Design Program 89142
Perception Space Materials: Research and Conceptualisation 89141
Performance and Talent Management 21760
Performance Studies 1: Gymnastics and Dance 27149
Performance Studies 1: Gymnastics and Dance 92558
Performance Studies 2: Dance and Athletics 92559
Performance Studies 2: Dance and Athletics 27249
Performance Studies 3: Sport and Aquatics 27349
Performance Studies 3: Sport and Aquatics 92560
Performance Studies 4: Skill Acquisition (Sport) 27449
Performance-based Certification 16079
Performing Australia 59710
Perinatal Development 92871
Perinatal Mental Health 92021
Personal Development Health and Physical Education: Teachers and Physical Activity 027412
Personal Development, Health and Physical Education 1 012217
Personal Development, Health and Physical Education 2 012218
Personal Development, Health and Physical Education Teaching Methods 1 013048
Personal Development, Health and Physical Education Teaching Methods 2 013060
Personal Development, Health and Physical Education Teaching Methods 3 013066
Personal Development, Health and Physical Education Teaching Methods 4 013072
Personal Financial Planning 25415
Personal Wealth Management 25796
Perspectives on Law 70115
Pervasive and Convergent Media Research Project 80032
Pharmaceutics 96003
Pharmacological Therapies in Advanced Practice 92609
Pharmacology 1 91707
Pharmacology 2 91709
Pharmacology of Chinese Herbal Medicine 99650
Pharmacy Research Project A 96020
Pharmacy Research Project B 96021
PhD Thesis: Accounting 22982
PhD Thesis: Analytics 32903
PhD Thesis: Architecture 13907
PhD Thesis: Built Environment 17900
PhD Thesis: Computer Systems 33875
PhD Thesis: Design 81000
PhD Thesis: Economics 23926
PhD Thesis: Education 019982
PhD Thesis: Engineering 49986
PhD Thesis: Finance 25927
PhD Thesis: Health 93001
PhD Thesis: Humanities and Social Sciences 51991
PhD Thesis: Information Systems 32986
PhD Thesis: International Studies 979105
PhD Thesis: Law 77696
PhD Thesis: Management 21982
PhD Thesis: Marketing 24982
PhD Thesis: Mathematics 34980
PhD Thesis: Midwifery 93000
PhD Thesis: Nursing 92984
PhD Thesis: Pharmacy 95589
PhD Thesis: Science 60986
PhD Thesis: Software Engineering 33874
PhD Thesis: Sport and Exercise 93007
PhD Thesis: Sustainable Futures 95582
Philosophical and Ethical Practice in Education 012221
Philosophy of Science 24756
Philosophy of Science and Theory 24901
Phonology and Pronunciation 013107
Photographic Artifice 80035
Photographic Construction 88904
Photographic Context 1 80067
Photographic Context 2 80068
Photographic Fabrication 88903
Photographic History and Theory 80027
Photographic Intervention 80038
Photographic Manipulation 80048
Photography 1: Documentation 88305
Photography 2: Communication 88405
Photography 3: Fabrication 88505
Photography 4: Construction 88605
Photography and Seeing Light 80042
Physical and Tangible Media Interfaces for Design Expression 80034
Physical Aspects of Nature 68041
Physical Chemistry 1 65307
Physical Chemistry 2 65607
Physical Evidence 65412
Physical Modelling 68037
Physics Honours Research 1 68005
Physics Honours Research 2 68006
Physics in Action 68201
Physics Research Project 68048
Physics Research Project A 68046
Physics Research Project B 68047
Physiological Bases of Human Movement 91429
Physiological Systems 91703
Places and Spaces of the Francophone World 97410
Planning and Control for Small Business Enterprises 22567
Planning and Design Process 16107
Planning and Environmental Law 17700
Planning and Evaluating Health Services 92847
Planning and Political Economy 16992
Planning for Bushfire Prone Areas 15601
Planning for Sustainable Destinations 27523
Planning Project Analysis 15111
Planning Project Development Assessment 15211
Planning Project Implementation 15231
Planning Project Visioning 15131
Planning Theory and Decision Making 15301
Plant Biotechnology 91144
Plant Physiology and Ecophysiology 91270
Poetry 58900
Point Location and Acupuncture Anatomy 99641
Policy and Advocacy 58219
Policy and Planning of Energy Conservation 49028
Policy, Power and Politics in Health Care 92050
Pollution Control and Waste Management 48860
Polymer Science 67305
Popular Culture and the Experience Industries 27602
Popular Education and Social Movements 013161
Popular Fiction 57144
Portfolio Analysis 25834

Postgraduate Exchange Subject 1 78296
Postgraduate Exchange Subject 2 78297
Postgraduate Exchange Subject 3 78298
Postgraduate Exchange Subject 4 78299
Postgraduate Legal Research 78100
Postgraduate Legal Research 78101
Power Circuit Theory 48572
Power Electronics and Drives 48561
Power Systems Analysis and Design 48582
Power Systems Operation and Protection 48583
Practical Experience 75411
Preparation for and Review of IT Experience 31136
Preparation for Midwifery Practice 92636
Preparatory Studies 16104
Preparing for Intellectual Property Practice 77905
Prestressed Concrete Design 49150
Prevention and Care of Athletic Injuries 27608
Price International Media Law Moot 76904
Pricing and Revenue Management 24760
Pricing Strategies and Tactics 24224
Primary Health Care 96011
Primary Health Care 92845
Principles and Practice of Research Management 95587
Principles of Advertising 58118
Principles of Child and Family Health Nursing 92613
Principles of Company Law 70107
Principles of Contaminated Site Assessment 91542
Principles of Forensic Science 65242
Principles of Object-oriented Programming in C++ 32510
Principles of Public International Law 70106
Principles of Public International Law 70116
Principles of Public Relations 58117
Privacy and Surveillance: Law and Policy 78248
Privacy and Surveillance: Law and Policy 78249
Private International Law 78158
Private International Law 78157
Probability Theory and Stochastic Processes 25856
Problem Solving in Industrial Design 84113
Problematic Soils and Ground Improvement Techniques 49119
Problems to Possibilities 81511
Procurement and Contract Management 16423
Product Engineering 84712
Product Technology 84130
Professional Advertising Practice 58230
Professional Communication Project 57997
Professional Conduct (Intellectual Property) 77892
Professional Editing 57046
Professional Engineering Practice Preparation 41002
Professional Experience 1 (Commerce, Business and Economics) 013009
Professional Experience 1 (Commerce, Business Studies and Economics/Computing Studies) 013155
Professional Experience 1 (Computing Studies) 013153
Professional Experience 1 (English) 013012
Professional Experience 1 (English/History) 013011
Professional Experience 1 (Geography/Commerce, Business and Economics) 013013
Professional Experience 1 (History/Geography) 013014
Professional Experience 1 (Languages) 013016
Professional Experience 1 (Mathematics) 013023
Professional Experience 1 (Mathematics/Computing Studies) 013017
Professional Experience 1 (Mathematics/Science) 013018
Professional Experience 1 (Personal Development, Health and Physical Education) 013019
Professional Experience 1 (Science) 013021
Professional Experience 1 (Science/Computing Studies) 013020
Professional Experience 1 (Visual Arts) 013022
Professional Experience 1: Beginning Teaching 012231
Professional Experience 2 (Commerce, Business and Economics) 013024
Professional Experience 2 (Commerce, Business Studies and Economics/Computing Studies) 013156
Professional Experience 2 (Computing Studies) 013154
Professional Experience 2 (English) 013027
Professional Experience 2 (English/History) 013026
Professional Experience 2 (Geography/Commerce, Business and Economics) 013028
Professional Experience 2 (History/Geography) 013029
Professional Experience 2 (Languages) 013031
Professional Experience 2 (Mathematics) 013034
Professional Experience 2 (Mathematics/Computing Studies) 013032
Professional Experience 2 (Mathematics/Science) 013033
Professional Experience 2 (Personal Development Health and Physical Education) 013035
Professional Experience 2 (Science) 013037
Professional Experience 2 (Science/Computing Studies) 013036
Professional Experience 2 (Visual Arts) 013038
Professional Experience 2: Developing Classroom Management 012232
Professional Experience 3: Integrating Learning Technologies 012233
Professional Experience 4: Integrating Diverse Contexts in Education 012234
Professional Experience 5: Teaching Students with Special Educational Needs 012235
Professional Experience 6: Programming and Assessing in Education 012236
Professional Experience 6: Promoting Student Centred Learning 023156
Professional Experience 7: Meeting the English Language Needs of Learners 012237
Professional Experience 7: Reflection on Educational Practice 023157
Professional Experience 8: Analysing Current Issues in Australian Education 023158
Professional Experience 8: Reflecting on Educational Practice 012238
Professional Experience and Classroom Management 1 013401
Professional Experience and Classroom Management 2 013402
Professional Identity 92324
Professional Internship 58999
Professional Internship (Capstone) 27350
Professional Internship for Graduates 27769
Professional Issues in Traditional Chinese Medicine 91613
Professional Learning and Practice 013160
Professional Learning Portfolio 013007
Professional Practice 92633
Professional Practice 16469
Professional Practice (BE) 48100
Professional Practice (SMD) 50838
Professional Practice 1 Human Resource Development 010074
Professional Practice 1 Language Literacy and Numeracy 010070
Professional Practice 1 Organisational Learning 010076
Professional Practice 1 Vocational and Workplace Learning 010078
Professional Practice 1 Vocational Education and Training 010072
Professional Practice 2 Human Resource Development 010075
Professional Practice 2 Language Literacy and Numeracy 010071
Professional Practice 2 Organisational Learning 010077
Professional Practice 2 Vocational and Workplace Learning 010079
Professional Practice 2 Vocational Education and Training 010073
Professional Practice and Changing Work 013115
Professional Practice at the Cutting Edge 81524
Professional Practice for Fashion and Textile Designers 83777
Professional Practice for Interior Designers 86871
Professional Practice in Catering for Difference and Special Needs 023137
Professional Practice in Personal Development, Health and Physical Education 1 023122
Professional Practice in Personal Development, Health and Physical Education 2 023123
Professional Practice in the Secondary School 023124
Professional Practice: Photography 80033
Professional Practice: Situated/Interactive Media 80063
Professional Project Practice 15350
Professional Relationship Selling 24668
Professional Science Project 60909
Professional Service Project (4cp) 49038
Professional Service Project A 48901
Professional Service Project B 48902
Professional Service Project C 48903
Professional Service Project D 48904
Professional Services 1 96004
Professional Services 2 96005
Professional Services 3 96009
Professional Services 4 96012
Professional Studio 84906
Professional Writing Project 57034
Professionalism in Context 92325
Program Design 013954
Program Development and Evaluation in Indigenous Education and Development 010040
Program Management 15330
Programming and Assessment in Language Literacy and Numeracy 013110

Programming for Community Learning 015033
Programming for Mechatronic Systems 41012
Programming for Special Effects 31104
Programming Fundamentals 48023
Programming on the Internet 31748
Programming with Patterns 31050
Programming with Patterns 32050
Project 31028
Project 31030
Project 31352
Project 31029
Project 92812
Project Appraisal and Finance 15335
Project BEngSc 48001
Project Development and Creative Practice 57179
Project Finance 25824
Project Implementation 15314
Project Management 32541
Project Management 013151
Project Management 1 16910
Project Management and the Professional 31272
Project Management in Science 60903
Project Management Integration 16307
Project Management Knowledge Areas 15316
Project Management Methodologies 15459
Project Management Practicum 15326
Project Management Principles 15315
Project Part A 92946
Project Part B 92947
Project Performance Evaluation 15339
Project Performance Improvement 15356
Project Portfolio and Program Management 15331
Project Procurement and Risk Management 15313
Project Strategy and Leadership 16919
Property Accounting and Financial Management 16264
Property Analysis 1 12525
Property and Political Economy 16232
Property Asset Management 17552
Property Cash Flow Analysis 16236
Property Corporations 16673
Property Cycles and Forecasting 16342
Property Development Finance 17704
Property Development Process 15142
Property Economic Issues 16991
Property Finance 16655
Property Investment and Portfolio Management 16657
Property Investment and Valuation 16642
Property Investment Vehicles 16677
Property Management 16231
Property Market and Risk Analysis 17551
Property Market Research and Analysis 16643
Property Marketing 16672
Property Research Methods 17519
Property Rights and Landlord Tenant Law 16641
Property Rights and the Environment 78242
Property Risk Analysis 16676
Property Taxation 16237
Property Taxation 17703
Property Title and Spatial Data Analysis 16267
Property Title and Tenure 16336
Property Transactions 12518
Property Transactions 75402
Property Trusts and Funds 16345
Property Valuation 16234
Proteomics 91536
Psychology and Dispute Resolution 77850
Psychology and Dispute Resolution 78143
Psychology of Secondary Students 023001
Public Economics 23022
Public Health Law 78245
Public International Law 70108
Public Policy in Research 95575
Qualitative Research 24667
Quality and Operations Management Systems 49306
Quality Control 35355
Quality Planning and Analysis 49309
Quality Use of Medicines in Advanced Practice 98727
Quantitative Business Analysis 25622
Quantitative Management 21742
Quantitative Management Practice 35340
Quantum Physics 68413
Radio Journalism 57156
Reading and Writing Architectural Criticism 11308
Reading the Law: Language, Power and Ideology 78241
Readings and Reflecting on Management 21914
Readings for Thesis 27154
Readings for Thesis in Marketing (Honours) 24903
Readings in Economics 23781
Readings in Finance 25780
Readings in Marketing 24780
Readings in Marketing 24758
Real Estate Finance and Investment 25818
Real Estate Investment Trusts 25797
Real Property 70317
Real-time Operating Systems 48450
Recent Advances in Computer Systems 32901
Recent Advances in Information Systems 32902
Recent Advances in Software Engineering 32039
Recordkeeping Fundamentals 57181
Reflective Academic Practice 010045
Reflective Practice 85604
Reflective Practice in Information Technology 32572
Reframing Fashion and Textile Practice 85824
Reframing Fashion and Textile Practice 89016
Refugee Law and Practice 78013
Regression Analysis 35353
Regulating Communication: Law, Ethics, Politics 58202
Regulation of the Media 57012
Regulatory Economics 49706
Regulatory Issues in the Broadband Environment 78205
Reims Management School-Semester 1 99855
Reims Management School-Semester 2 99856
Reims Management School-Semester 3 99857
Reims Management School-Semester 4 99858
Reliability Availability and Maintainability 49678
Remedies 71116
Renewable Energy Systems 48550
Reporting and Editing for Print and Online Journalism 58112
Reporting with Sound and Image 58111
Representing Complexity 58338
Research and Global Sustainability 95588
Research and Inquiry 013978
Research and Practice 58213
Research and Reporting for Journalism 57011
Research and Statistics for Sport and Exercise 92054
Research Based Designing 85701
Research Design 013112
Research Design and Analysis in Health Services and Practice 93004
Research Design and Data Collection Techniques 24908
Research Design and Data Collection Tools 24759
Research Dissertation 1 (Business) 28723
Research Dissertation 1 (Communication) 58723
Research Dissertation 1 (DAB) 18723
Research Dissertation 1 (Education) 018723
Research Dissertation 1 (EIT) 49723
Research Dissertation 1 (GSH) 96723
Research Dissertation 1 (International Studies) 998723
Research Dissertation 1 (Law) 78723
Research Dissertation 1 (NMH) 98723
Research Dissertation 1 (Science) 68723
Research Dissertation 1 (Sustainable Futures) 95723
Research Dissertation 2 (Business) 28724
Research Dissertation 2 (Communication) 58724
Research Dissertation 2 (DAB) 18724
Research Dissertation 2 (Education) 018724
Research Dissertation 2 (EIT) 49724
Research Dissertation 2 (GSH) 96724
Research Dissertation 2 (International Studies) 998724
Research Dissertation 2 (Law) 78724
Research Dissertation 2 (NMH) 98724
Research Dissertation 2 (Science) 68724
Research Dissertation 2 (Sustainable Futures) 95724
Research Dissertation ID 84780
Research for Communication Professionals 57028
Research for Human Movement 27155
Research Foundations for Leisure Sport and Tourism 27344
Research in Health 92612
Research in International Studies 979508
Research in Learning 012223
Research in Local Government 15621
Research Inquiry: Processes and Practices 93003
Research Literacies 023999
Research Management and Strategy Techniques 24907
Research Methodology and Data Analysis Techniques 24902
Research Methodology and Data Analysis Tools 24757

Research Methods 80030
Research Methods 16238
Research Methods and Approaches in Management and Organisations 21907
Research Methods for Sport and Exercise 92536
Research Methods in Integrated Product Design 84710
Research Methods, Information Retrieval and Project Proposal 11391
Research Paper 77740
Research Perspectives 013952
Research Project 32933
Research Project 32934
Research Project 1 17716
Research Project 1 (PG) 777251
Research Project 2 17717
Research Project 2 777252
Research Project Management 95571
Research Proposal Development 016714
Research Realisation: Major Project 83900
Research Seminar 023625
Research Seminar in Finance and Economics 25788
Research Seminars in Management 21786
Research Studio 58334
Research Techniques in Finance and Economics 25787
Research Thesis 76040
Research, Ethics and Indigenous Cultural Heritage 010041
Research: Fashion and Textiles Dissertation 83921
Research: Fashion Concept Lab 83923
Research: Professional Practice Identity 83922
Researching Contexts 89106
Researching Contexts 85804
Researching Design History 85502
Researching Organisations and Management 21910
Resource Management in Nonprofit Organisations 21136
Resource Mobilisation 21778
Rethinking Media 57182
Retirement Planning (UG) 79027
Revenue Law 76212
Review of Engineering Practice 1 48120
Review of Engineering Practice 2 48140
Review of External Course 48211
Review of IT Experience 31138
Rights and Territories 58319
Risk and Safety Management 16317
Risk Management 16918
Risk Management in Engineering 49006
Road and Transport Engineering 48370
Road Engineering Practice 49106
Robotics 41013
Role Transition and Professional Identity 92014
Routing and Internetworks 31277
Rural Midwifery Practice 92284
Satellite Communication Systems 49223
Scanning Probe and Electron Microscopy 68320
Scholarly Teaching and Learning Project 010044
Science and Industrialisation 60908
Science and Technology Study 2: Science and Technology in Daily Life 028412
Science and Technology Study 3: Issues in Science, Technology and Society 028413
Science and Technology Study 4: Planet Earth 028414
Science in Practice 60906
Science Teaching Methods 1 013049
Science Teaching Methods 2 013061
Science Teaching Methods 3 013067
Science Teaching Methods 4 013073
Screening the Past 58322
Screenwriting 58901
Securities Markets Law 77901
Securities Regulation 78113
Securities Regulation 78112
Selected Topics (Energy Pricing) 49703
Semi-arid Ecology 91370
Seminar (Mathematics) 35391
Seminar (Statistics) 35393
Seminar A 35502
Seminar B 35503
Seminar C 35504
Seminar D 35505
Seminar In Research Methods 24740
Sensors and Control for Mechatronic Systems 41014
Sensors and Signal Processing 49330
Service Operations Management 21745
Services 1 16205
Services 2 16308
Services Marketing 24306
Sex, Race and Empire 58316
Short Fiction Workshop 57122
Show and Tell: Francophone Cultures on Display 97408
Signal Theory 48541
Signals and Systems 48540
Simulation and Games 013140
Site Establishment 16138
Site Management 16912
Situated Media Culture and Context 80037
Situated Media Installation Studio 50846
Situated Media Real Time Technology 80036
Skill Acquisition 27331
Skill Acquisition 92565
Small and Medium Enterprise Management 21082
Small Business Management and Accounting 22566
Smart Design 84811
Smart Object Studio 80046
Social Analysis and Indigenous Community Organisations 21223
Social and Environmental Education 1 012215
Social and Environmental Education 2 012216
Social and Philosophical Aspects of Secondary Education 023138
Social Bodies 58223
Social Change and Community Practice 21185
Social Change Design 89304
Social Context of Childhood Stress 023612
Social Informatics 58221
Social Inquiry Placement 58314
Social Planning and Development 15602
Social Sciences Honours Seminar 55073
Society, Economy and Globalisation 58123
Society, Science, Technology and the Environment 028222
Sociocultural Concepts for Leisure, Sport and Tourism 27342
Sociology of Education 012224
Software Architecture 48433
Software Engineering Practice 48440
Software Project 32989
Software Project Management 49225
Soil Behaviour 48330
Solid-state Science and Nanodevices 68606
Sonic Art 50836
Sonology 50831
Sound and Interaction 57168
Sound and Interaction 57170
Sound Design for Interaction 50852
Sound for Time-based Media 50839
Sound Systems 50845
Soundtrack 57183
Spanish Language and Culture 1 97501
Spanish Language and Culture 10 97510
Spanish Language and Culture 2 97502
Spanish Language and Culture 3 97503
Spanish Language and Culture 4 97504
Spanish Language and Culture 5 97505
Spanish Language and Culture 6 97506
Spanish Language and Culture 7 97507
Spanish Language and Culture 8 97508
Spanish Language and Culture 9 97509
Spatial Analysis in Planning and Property 15251
Spatial Research 11520
Special Course A (2cp) 49082
Special Course A (3cp) 49083
Special Course A (4cp) 49084
Special Course A (6cp) 49086
Special Course B (2cp) 49092
Special Course B (3cp) 49093
Special Course B (4cp) 49094
Special Course B (6cp) 49096
Special Education 1: Managing Challenging Behaviours 023821
Special Education 2: Preventing and Remediating Difficulties in Reading and Spelling 023822
Special Education 3: Educating Students who have Difficulties with Written Text 023823
Special Education 4: Numeracy Instruction for Students with Learning Difficulties and Disabilities 023824
Special Education 5: Educating Students with Moderate and High Support Needs 023825
Special Education 6: Educating Students with Delayed or Disordered Communication 023826

Special Education Professional Experience 1: Assesment, Programming and Evaluation 023881
Special Education Professional Experience 2: Collaborative Participation in Inclusive Service Models 023882
Special Industry Project 86190
Special Learning Project 27620
Special Project (Communications) 11363
Special Project (Design) 11364
Special Project (Offshore) 11365
Special Project (Technology) 11362
Special Project (Theory) 11361
Special Reading Subject 69337
Specialised Valuation 16331
Specialist Journalism 57187
Specialist Project Study 15337
Specialist Reporting, Audiences and Interactivity 58211
Specialty Clinical Practice 92869
Specialty Practice 92983
Speculative Start-Up 81523
Speech, Music, Sound 50833
Sport and Exercise Management Honours Dissertation 1 92057
Sport and Exercise Management Honours Dissertation 2 92058
Sport and Exercise Medicine 92564
Sport and Exercise Psychology 92535
Sport and Exercise Psychology 27160
Sport and Exercise Science Honours Dissertation 1 92055
Sport and Exercise Science Honours Dissertation 2 92056
Sport and Exercise Science Practicum 92550
Sport Business 27715
Sport Globalisation 27721
Sport in the Global Marketplace 27253
Sport Management 27307
Sport Marketing 27161
Sport Organisations 27732
Sport Tourism 27141
Sports Law 76002
Statistical Design and Analysis 33116
Statistical Methods for Quantitative Finance 25854
Statistics and Mathematics for Science 33290
Statistics for Quantitative Finance 35364
Statutory Valuation and Compensation 16333
Steel and Composite Design 49133
Steel and Timber Design 48366
Stochastic Calculus in Finance 35365
Stochastic Models 35363
Stochastic Processes 35361
Storytelling with Sound and Image 57151
Storytelling, Narrative and Features 58210
Strategic Asset Management 12515
Strategic Business Management 32562
Strategic Business Marketing 24707
Strategic Communication and Negotiation 57026
Strategic e-Business Technologies 48721
Strategic Facility Planning 15343
Strategic Governance and the Business of Government 21758
Strategic Human Resource Development 013976
Strategic Human Resource Management 21407
Strategic Human Resource Management 21724
Strategic Human Resource Management 21870
Strategic International Marketing 24738
Strategic Issues in Research Management 95586
Strategic IT Project 31280
Strategic Leadership for Innovation 32005
Strategic Management 21715
Strategic Management in Leisure, Sport and Tourism Organisations 27324
Strategic Management of Nonprofit Organisations 21044
Strategic Procurement 21877
Strategic Procurement and Contract Management 15338
Strategic Project Management 15332
Strategic Public Relations 58128
Strategic Services Marketing 24706
Strategic Supply Chain Management 21797
Strategies for Interior Design 86001
Strategy: Theory and Practice 21602
Stream and Lake Assessment 91155
Strength and Conditioning 92523
Strength of Engineering Materials 48642
Structural Analysis 48349
Structural Anatomy 92511
Structural Behaviour 16315
Structural Behaviour and Design 48342
Structural Design 1 48359
Structural Design 2 48369
Structural Dynamics and Earthquake Engineering 49134
Structure, Form and Material in Industrial Design 84120
Structures 16206
Student Learning and Teaching Approaches 010042
Student Welfare: Implications for Teaching and Learning 010050
Studio Practice: Ceramics 013219
Studio Practice: Painting 013218
Studio: Bespoke Fashion 83724
Studio: Body Mapping 83722
Studio: Fashion Illustration Exploration 83721
Studio: Fashion Illustration Fundamentals 1 83622
Studio: Foundations in Patternmaking and Construction 1 83621
Studio: Men's Collection 83821
Studio: Women's Collection 83822
Succession 76517
Superannuation and Retirement Planning 77924
Superstudio 84900
Supporting Families 92637
Surface Processes 67510
Surveying 48320
Sustainability and Design 84124
Sustainability and Information Systems 42900
Sustainability, Design and Creative Futures: Being Human 85820
Sustainability, Design and Creative Futures: Being Human 89120
Sustainability, Design and Creative Futures: Critical Economies 89122
Sustainability, Design and Creative Futures: Critical Economies 85822
Sustainability, Design and Creative Futures: Spatio-Temporal Shifts 85821
Sustainability, Design and Creative Futures: Spatio-Temporal Shifts 89121
Sustainable Building Technology 16075
Sustainable Construction and Development Management 16656
Sustainable Development 15341
Sustainable Development 15141
Sustainable Enterprise 20107
Sustainable Human Futures: Residential Environments 86022
Sustainable Tourism Management 27700
Sustainable Urban Design and Development 16266
Sustainable Urban Development 15146
Systems Development Project 31281
Systems Engineering for Managers 49004
Systems Quality Management 32603
Systems Testing and Quality Management 31282
Systems Thinking for Managers 15336
Tailoring: New and Traditional Techniques 83885
Taxation Administration 77767
Taxation Law 79017
Taxation of Business Entities 77796
Taxation of Commercial Enterprises 78209
Taxation of Commercial Enterprises 78208
Teaching Aboriginal Studies 013981
Teaching Across the Curriculum 022603
Teaching and Learning in Practice 013977
Teaching and Learning Literacy 013118
Teaching and Learning Numeracy 013971
Teaching English for Academic Purposes 010039
Teaching English to International Students 024713
Team Building and Leadership 15617
Team Communication in the Workplace 013961
Technical Analysis 25809
Techniques in Perioperative Nursing 92882
Technology and Innovation Management 49016
Technology Enhanced Language Learning 013132
Technology Research Methods 32931
Technology Research Preparation 32144
Technology Workshop: Creative Play 89108
Technology Workshop: Creative Play 85805
Technology Workshop: Experimental Media 85806
Technology Workshop: Experimental Media 89109
Technology Workshop: New Poetics 85807
Technology Workshop: New Poetics 89173
Telecommunication Networks Management 49238
Telecommunications Engineering Review 49249
Telecommunications Industry Management 49215
Telecommunications Law and Regulations 78178
Telecommunications Law and Regulations 78179
Telecommunications Signal Processing 49203
Television and Video Journalism 57158
Textile and Fashion Innovation 89015

Textile and Fashion Innovation	85823
Textile Lab: New Technologies	83723
Textiles: Dye Methods	88006
Textiles: Installation	88005
Textiles: Print	88004
Textiles: Surface Form	88007
The Arts in Supervision and Self Work	013949
The Biosphere	91107
The Ecology of Public Communication	58116
The Experience Economy	27733
The Financial System	25556
The Global Context of Management	21510
The Global Context of Management	20102
The Global Economy (Capstone)	23580
The Human Environment	86002
The Language Literacy and Numeracy Learner	013149
The Law and Education	78040
The Meaning of Birth	92922
The New Economy of Post-Nature	58328
The Project Organisation: A New Organisational Model	15347
The Psychology of Adolescent Learning	013001
The Psychology of Adult Development	013120
The Psychology of Adult Learning	013974
The Research Process	15463
The Scientific Method	60902
The Secondary School	013005
The Socio-cultural Contexts of Secondary Education	013008
The Sport Industry	27252
The Tourism Business	27648
The Tourist Experience	27185
Theory and Creative Writing	57134
Theory and Practice of Literacy	013117
Theory and Practice of Teaching English to Speakers of other Languages	013121
Theory of Financial Decision Making	25921
Therapeutic Interventions in Mental Health Care	92876
Therapeutic Interventions in Mental Health Care 2	92605
Thermal Design and Environmental Control	11225
Thermodynamics	48651
Thesis (Analytics)	31676
Thesis (Architecture)	13905
Thesis (Building)	14903
Thesis (Computing Science)	31675
Thesis (Design)	81821
Thesis (Doctor of Education)	019981
Thesis (Education)	016102
Thesis (International Studies)	979110
Thesis (Law)	77698
Thesis (Mathematics)	34776
Thesis (Mathematics) Honours Part A	35493
Thesis (Mathematics) Honours Part B	35494
Thesis (Quantity Surveying)	15903
Thesis Construction Management	16906
Thesis Development and Appraisal	015381
Thesis in Accounting	22906
Thesis in Accounting (BAcc)	22991
Thesis in Economics (Honours)	23910
Thesis in Finance (Honours)	25929
Thesis in Management (Honours)	21913
Thesis in Marketing (Honours) 1	24770
Thesis in Marketing (Honours) 2	24771
Thesis Proposal in Economics (Honours)	23909
Thesis Proposal in Finance (Honours)	25928
Thesis Proposal in Management (Honours)	21912
Thesis: Mathematics and Finance (Hons) A	35476
Thesis: Mathematics and Finance (Hons) B	35477
Thinking Fashion	83119
Time and Quality Management	16913
Time Series Econometrics	25573
Topics in Australian Marine Science	91146
Torts	70311
Tour Operator and Wholesaling Management	27346
Tourism and Sustainability	27327
Tourism and the Industry	27735
Tourism Marketing	27642
Tourist Behaviour	27767
Trade Marks Law	77889
Trade Marks Law	78192
Trade Marks Practice	77890
Trade Marks Practice	78193
Trademarks and Patents	76085
Traffic and Transportation	49102
Transactional Practice	75422
Transcultural Communication in Japanese	97210
Transfusion Science	91129
Transitions to Parenthood	92634
Transmission Systems	49205
Transnational Management	21591
Transnational Media	58317
Transportation Explorations	88414
Transportation Futures	88415
Troubleshooting Converged Networks	32109
True Crime	57165
Turbomachines	49328
Twentieth Century Chinese Fiction	97110
Undergraduate Project (Research Internship)	60701
Undergraduate Project (Scientific Practice)	60700
Understanding Adult Education and Training	013122
Understanding Communication	58101
Understanding Financial Reports Prepared under IFRS	20201
Understanding Financial Reports Prepared Under IFRS	22492
Understanding Organisations: Theory and Practice	21512
Understanding the Person: Life Transitions	92326
Understanding Three-dimensional Form	84111
UNIX Systems Administration	32520
UNIX Systems Programming	32547
Urban Analysis	15121
Urban Design	15222
Urban Design and Management	15221
Urban Economics	16235
Urban Economics and Finance	15241
Urban Planning Process	16233
Urban Simulation	17554
Urban Stormwater Design	49107
User Experience Design	58125
User-Centred Design	84711
User-Centred Design Methods	32405
Using Film for Critical Pedagogy	013146
Using Health Care Data for Decision Making	92917
Using Information Technology for Learning	013970
Valuation Methodology	17771
Value Chain Engineering Systems	49680
Value Management	16920
Valuing Projects	16658
VC Extensions A	87931
VC Extensions B	87932
VC Project: Self-direction	87772
VC Project: Design Practice	87555
VC Project: Sequence and Narrative	87335
VC Project: Symbols and Systems	87222
VC Project: The Community	87665
VC Project: Typography in Context	87443
VC Project: Visualising Experience	87445
VC Project: Ways of Seeing	87100
VC Special Project	87500
VC Special Project 2	87600
VC Studies: Research Dissertation	87780
VC Studies: Concepts of Professionalism	87551
VC Studies: Contexts of Visual Communication	87441
VC Studies: Histories of Visual Communication	87221
VC Studies: Image Experimentation	87118
VC Technology: Advanced Interactive Media	87649
VC Technology: Advanced Video Media	87659
VC Technology: Advanced Web Media	87639
VC Technology: Digital Photo Media	87669
VC Technology: Historical Photo Media	87569
VC Technology: Introduction to Interactive Media	87549
VC Technology: Introduction to Video Media	87559
VC Technology: Introduction to Web Media	87539
VC Technology: Motion Graphics	87447
VC Technology: Pre-press and Print Production	87007
VC Technology: Typography, Text and Form	87333
VC Technology: Visible Language	87117
Vehicle Design	49286
Venture Capital and Private Equity: Theory and Practice	25732
Venture Capital Finance	25764
Venue and Facility Management	27717
Venue Management	27216
Verbal and Body Psychotherapies	013950
Vibration Analysis	49323
Vis Arbitral Moot	76901
Visual Arts Education	012220
Visual Arts Teaching Methods 1	013050
Visual Arts Teaching Methods 2	013062
Visual Arts Teaching Methods 3	013068
Visual Arts Teaching Methods 4	013074

Visual Information Project	88913
Visualisation and Sonification Studio	50847
Visualising Research	87773
Vocational Competencies 1	15606
Vocational Competencies 2	15607
Volunteer Management	21817
WANs and Virtual LANs	31283
WANS and VLANS	32521
Waste and Pollution Management	49123
Water and Environmental Design	48881
Water Quality Management	49124
Water Quality Modelling	49113
Water Quantity and Quality Processes	48372
Water Supply and Wastewater Engineering	48840
Water Supply and Wastewater Management	49105
Wealth Management	25576
Wearable Media and e-Fashion	50853
Web Services Development	31284
Web Services Technologies and Applications	32525
Web Systems	31268
Web Technologies	49262
Western Legal Theory	78240
Wickedness and Vice	78039
Wide Area Network Implementation	32010
Wildlife Ecology	91116
Wind Engineering	49135
Wireless Networking Technologies	49048
Wireless Sensor Networks	49227
Wireless Sensor Networks: Technology and Applications	48033
Women's Collection	83886
Work and Learning	013123
Work and People	013124
Work Law	78246
Workplace Dispute Resolution	77867
Workplace Dispute Resolution	78176
Workshops for Practice Readiness (Graduate Entry)	92016
Workshops for Practice Readiness 1	92327
Workshops for Practice Readiness 2	92328
World Trade Law	76013
World Trade Organisation Law and Practice	77976
Writing for the Screen	57171
Writing for the Screen	57142
Writing Laboratory	58313
Writing Poetry	57133
Writing Project 1	57188
Writing Project 2	57189
Writing Seminar	57190
Writing Studies Honours Seminar	55066
Writing Television Drama	57154
Writing Through Genre	58902

ALPHABETICAL LIST OF MAJORS

The major names and major codes for all majors are listed below, alphabetically ordered by major name. The completion requirements for these majors are in Study package directory: Majors, numerically ordered by major code (see pages 637–690).

Aboriginal Studies and Community Adult Education	MAJ09373
Aboriginal Studies and Language, Literacy and Numeracy	MAJ09368
Aboriginal Studies and Language, Literacy and Numeracy	MAJ09396
Accounting	MAJ08437
Accounting and Finance	MAJ08934
Accounting Information Systems	MAJ08049
Adult Education	MAJ07067
Advanced Nursing Practice	MAJ06213
Aerospace Engineering	MAJ03414
Animation Design	MAJ10018
Applied Chemistry	MAJ01087
Applied Chemistry	MAJ01100
Applied Chemistry	MAJ01079
Applied Linguistics	MAJ07055
Applied Physics	MAJ01088
Applied Physics	MAJ01101
Applied Physics	MAJ01080
Argentina	MAJ09422
Argentina	MAJ08954
Arts Management	MAJ08959
Biomedical Engineering	MAJ03466
Biomedical Engineering	MAJ03472
Biomedical Engineering	MAJ03465
Biomedical Engineering	MAJ03470
Biomedical Engineering	MAJ03473
Biomedical Science	MAJ01090
Biomedical Science	MAJ01081
Biomedical Science	MAJ01104
Biotechnology	MAJ01119
Biotechnology	MAJ01103
Biotechnology	MAJ01115
Branding Design	MAJ10016
Business Information Systems Management	MAJ02080
Business Law	MAJ09362
Business Law	MAJ09401
Business Studies	MAJ08965
Canada	MAJ08933
Canada (Quebec)	MAJ09418
Chemical Science	MAJ01129
Children's Art	MAJ10006
Chile	MAJ09420
Chile	MAJ08918
China	MAJ09412
China	MAJ08919
Civil and Environmental Engineering	MAJ03412
Civil and Environmental Engineering	MAJ03026
Civil and Environmental Engineering	MAJ03014
Civil and Environmental Engineering	MAJ03002
Civil and Geotechnical Engineering	MAJ03459
Civil Engineering	MAJ03013
Civil Engineering	MAJ03025
Civil Engineering	MAJ03453
Civil Engineering	MAJ03001
Civil Engineering	MAJ03454
Civil Engineering	MAJ03455
Civil Engineering	MAJ03134
Civil Engineering and Structural Engineering	MAJ03456
Clinical Leadership	MAJ08971
Clinical Management	MAJ08970
Colombia	MAJ09409
Colombia	MAJ09423
Commerce, Business Studies and Economics	MAJ07070
Commerce, Business Studies and Economics/ Computing Studies	MAJ07074
Commercial Law	MAJ09383
Commercial Law	MAJ09388
Commercial Law	MAJ09313
Communication	MAJ10019
Computer Control Engineering	MAJ03430
Computer Control Engineering	MAJ03420
Computer Control Engineering	MAJ03438
Computing Studies	MAJ07073
Corporate and Commercial Law	MAJ09390
Corporate and Commercial Law	MAJ09403
Creative Writing	MAJ10037
Cultural Studies	MAJ09427
Data Analytics	MAJ02081
Design for Change	MAJ10036
Design for Change Studio	MAJ10039
Design for Change: Sustainability, Design and Creative Futures	MAJ10028
Design Specialisation	MAJ08967
Digital and Social Media	MAJ10038
Digitally Mediated Environments	MAJ10017
Dispute Resolution	MAJ09002
Dispute Resolution	MAJ09426
Dispute Resolution	MAJ09320
Dispute Resolution	MAJ09425
Dispute Resolution Law	MAJ09386
e-Learning	MAJ07056
Economics	MAJ09209
Education	MAJ07051
Electrical Engineering	MAJ03413
Electrical Engineering	MAJ03017
Electrical Engineering	MAJ03028
Electrical Engineering	MAJ03005
Energy Planning and Policy	MAJ03439
Energy Planning and Policy	MAJ03421
Energy Planning and Policy	MAJ03380
Engineering Management	MAJ08860
English	MAJ07049
English	MAJ07063
English/History	MAJ07068
Enterprise Systems Development	MAJ03444
Environmental Biology	MAJ01082
Environmental Biology	MAJ01106
Environmental Change Management	MAJ05003
Environmental Engineering	MAJ03416
Environmental Forensics	MAJ01108
Environmental Forensics	MAJ01113
Environmental Science	MAJ01089
Environmental Sciences	MAJ01126
ESLMAJ07050	
Event Management	MAJ08961
Exercise Science	MAJ06216
Experimental Visual Communications	MAJ10029
Experimental Visual Communications Studio	MAJ10041
Extended Economics	MAJ09402
Extended Finance	MAJ08060
Extended Management	MAJ08046
Extended Marketing	MAJ08063
Family Law	MAJ09385
Family Law	MAJ09367
Fashion and Textile Studio	MAJ10040
Fashion and Textiles Studio	MAJ10027
Film and Video Studio	MAJ10044
Finance	MAJ08440
Finance	MAJ08940
Financial Services	MAJ08068
Forensic Science	MAJ01123
France	MAJ08920
France	MAJ09414
Game Design Studio	MAJ10043
Geography/Commerce, Business Studies and Economics	MAJ07069
Geotechnical Engineering	MAJ03460
Geotechnical Engineering	MAJ03458
Geotechnical Engineering	MAJ03461
Germany	MAJ08921
Germany	MAJ09416
Global Business Law	MAJ10030
Global Business Law	MAJ09411
Global Business Law	MAJ09410
Health and Physical Education	MAJ09428
Health Research	MAJ06215
History/Geography	MAJ07071
Human Resource Development	MAJ08962
Human Resource Development	MAJ08914

Human Resource Management	MAJ08446
Human Resource Management	MAJ08020
Human Resources and Management	MAJ08972
ICT Engineering	MAJ03448
ICT Engineering	MAJ03449
ICT Engineering	MAJ03446
ICT Engineering	MAJ03447
Indigenous Studies	MAJ07072
Industrial and Intellectual Property Law	MAJ09384
Industrial and Intellectual Property Law	MAJ09363
Information and Media	MAJ10023
Information Design	MAJ10014
Information Technology	MAJ02044
Information Technology	MAJ02041
Information Technology Law	MAJ09323
Information Technology Law	MAJ09387
Innovation Engineering	MAJ03029
Innovation Engineering	MAJ03024
Integrated Communication	MAJ08057
Integrated Logistic Support and Engineering Management	MAJ03451
Integrated Logistic Support and Engineering Management	MAJ03452
Intellectual Property	MAJ09406
Intellectual Property	MAJ09400
Interactivation	MAJ10026
Interactivation Studio	MAJ10042
International Business	MAJ08442
International Business	MAJ08964
International Business	MAJ08941
International Law	MAJ09392
International Law	MAJ09382
International Law	MAJ09322
International Law	MAJ09405
International Trade Law	MAJ09364
International Trade Law	MAJ09004
International Trade Law	MAJ09389
International Trade Law	MAJ09381
Internetworking and Applications	MAJ03445
Italy	MAJ08923
Italy	MAJ09417
Japan	MAJ09413
Japan	MAJ08924
Journalism	MAJ10020
Language, Literacy and Numeracy	MAJ09397
Languages other than English	MAJ07062
Latin(o) USA	MAJ09424
Latino USA	MAJ09380
Law	MAJ09005
Legal Studies	MAJ09399
Lighting	MAJ04006
Lighting Studio	MAJ03475
Local Government Engineering	MAJ03422
Local Government Engineering	MAJ03375
Local Government Engineering	MAJ03440
Local Government Engineering and Environmental Engineering	MAJ03443
Management	MAJ08955
Management	MAJ08915
Management	MAJ08517
Management	MAJ08476
Management	MAJ08438
Management Studies	MAJ08966
Manufacturing Engineering and Management	MAJ03424
Manufacturing Engineering and Management	MAJ03415
Manufacturing Engineering and Management	MAJ03442
Marine Biology	MAJ01107
Marine Biology	MAJ01112
Marine Science and Management	MAJ01130
Marketing	MAJ08480
Marketing	MAJ08441
Marketing Communication	MAJ08116
Mathematical and Statistical Modelling	MAJ01124
Mathematics	MAJ01116
Mathematics	MAJ01095
Mathematics	MAJ07058
Mathematics	MAJ01110
Mathematics/Computing Studies	MAJ07066
Mathematics/Science	MAJ07064
Mechanical and Mechatronic Engineering	MAJ03450
Mechanical and Mechatronic Engineering	MAJ03012
Mechanical Engineering	MAJ03139
Mechanical Engineering	MAJ03019
Mechanical Engineering	MAJ03007
Mechanical Engineering	MAJ03030
Media Arts and Production	MAJ10021
Medical and Molecular Biosciences	MAJ01127
Medical Biotechnology	MAJ01121
Medical Science	MAJ01120
Medical Science	MAJ01105
Medical Science	MAJ01114
Mexico	MAJ09421
Mexico	MAJ08926
Nanotechnology	MAJ01102
Nanotechnology	MAJ01091
Nanotechnology	MAJ01085
Nurse Practitioner	MAJ06214
Objects and Accessories	MAJ03471
Objects and Accessories Studio	MAJ03474
Operations	MAJ03462
Operations	MAJ03463
Operations	MAJ03464
Operations and Supply Chain Management	MAJ08973
Organisational and Workplace Learning	MAJ07076
Organisational Change and Communication	MAJ08059
Perception Space Materials	MAJ04007
Personal Development, Health and Physical Education	MAJ07041
Personal Development, Health and Physical Education	MAJ07060
Photomedia	MAJ10015
Physics and Advanced Materials	MAJ01128
Planning	MAJ08968
Popular Education and Social Change	MAJ07077
Professional Accounting	MAJ08483
Project Management	MAJ08956
Project Management	MAJ08484
Public Communication	MAJ10024
Public Relations	MAJ08058
Safety and Quality in Health Care	MAJ08969
Science	MAJ07061
Science Management	MAJ01125
Science Management	MAJ01097
Science/Computing Studies	MAJ07065
Science/TAS (Computing)	MAJ10012
Social Inquiry	MAJ09395
Software Engineering	MAJ03432
Software Engineering	MAJ03379
Software Engineering	MAJ03425
Spain	MAJ09415
Spain	MAJ08927
Sport Management	MAJ08960
Sport Management	MAJ08445
Statistics	MAJ01111
Structural Engineering	MAJ03378
Structural Engineering	MAJ03426
Structural Engineering	MAJ03433
Switzerland	MAJ09419
Switzerland	MAJ08932
Systems Engineering	MAJ03467
Systems Engineering	MAJ03468
Systems Engineering	MAJ03469
Technology and Applied Studies	MAJ07047
Technology Management	MAJ08938
Telecommunication Networks	MAJ03427
Telecommunication Networks	MAJ03385
Telecommunication Networks	MAJ03434
Telecommunications Engineering	MAJ03428
Telecommunications Engineering	MAJ03382
Telecommunications Engineering	MAJ03435
Telecommunications Engineering and Telecommunication Networks	MAJ03437
Telecommunications Engineering and Telecommunication Networks	MAJ03431
TESOL	MAJ07054
Tourism Management	MAJ08443
Tourism Management	MAJ08958
Value Chain Management	MAJ03457
Visual Arts	MAJ07059
Visual Arts	MAJ07048
Vocational Education	MAJ09398
Water Engineering	MAJ03436
Water Engineering	MAJ03429
Water Engineering	MAJ03372
Writing and Cultural Studies	MAJ10022
Youth Performance Studies	MAJ10007

ALPHABETICAL LIST OF SUB-MAJORS

The sub-major names and sub-major codes for all sub-majors are listed below, alphabetically ordered by sub-major name. The completion requirements for these sub-majors are in Study package directory: Sub-majors, numerically ordered by sub-major code (see pages 691–707).

Aboriginal Studies	SMJ09052
Accounting for Small Business	SMJ08188
Accounting Information Systems	SMJ08098
Acute Care Nursing	SMJ06032
Advanced Advertising	SMJ08131
Advanced Manufacturing Systems	SMJ03056
Advanced Mechanical Analysis	SMJ03053
Advertising	SMJ08137
Advertising	SMJ08212
Advertising Principles	SMJ08198
Anaesthetics and Recovery Room Nursing	SMJ06020
Applications Development	SMJ02045
Architectural Experience	SMJ04016
Architectural Studies	SMJ10020
Arts Management	SMJ08071
Australian Language and Culture Studies	SMJ09060
Automation	SMJ03055
Automotive Systems	SMJ03057
Biomedical Engineering	SMJ03047
Bodies, Genders, Rights	SMJ09051
Building Services	SMJ03048
Building Surveying	SMJ04014
Business	SMJ08216
Business Accounting	SMJ08157
Business Information Systems	SMJ02036
Business Information Systems Management	SMJ01043
Business Information Systems Management	SMJ02064
Business Law	SMJ09030
Business Law	SMJ09059
Business Law	SMJ09037
Chemistry	SMJ01005
Child and Family Health Nursing	SMJ06033
Children's Nursing	SMJ06022
Clinical Management	SMJ08194
Clinical Teaching	SMJ07002
Communication	SMJ10040
Communications and Information	SMJ09042
Community Management	SMJ08209
Composition	SMJ10037
Computer Graphics and Animation	SMJ02039
Computer Graphics and Animation	SMJ02066
Computer Systems	SMJ03043
Computer Systems	SMJ03041
Computer Systems	SMJ03042
Computer Systems Engineering	SMJ03034
Computing and Data Analysis	SMJ01046
Construction	SMJ08217
Critical Care Nursing	SMJ06023
Data Analytics	SMJ02065
Design for Theatre	SMJ10017
Diabetes Education and Management	SMJ06034
Dispute Resolution	SMJ09021
Econometrics	SMJ09058
Economics	SMJ09028
Electronics and Computer Interfacing	SMJ01010
Employment Relations	SMJ08159
Engineering	SMJ03061
Engineering Management	SMJ08075
Engineering Policy	SMJ03429
Enterprise Systems Development	SMJ01044
Enterprise Systems Development	SMJ03036
Environmental Biology	SMJ09057
Environmental Protection	SMJ09056
Environmental Sciences	SMJ01048
Environmental Studies	SMJ09050
Event Management	SMJ08213
Event Management	SMJ08203
Exhibition Design	SMJ10019
Film and Video	SMJ10013
Finance	SMJ08147
Finance	SMJ08192
Finance	SMJ08123
Financial Planning	SMJ08214
Financial Reporting	SMJ08116
Financial Services	SMJ08215
Foundations in Law	SMJ09032
Furniture Design	SMJ10016
General Practice	SMJ04015
Human Resource Development	SMJ08141
Human Resource Management	SMJ08128
Human Resources Management	SMJ08066
Image Studies	SMJ10035
Information and Media	SMJ09054
Information Technology	SMJ02038
Information Technology	SMJ02069
Information Technology	SMJ02037
Information Technology	SMJ02059
Information Technology Law	SMJ09045
Innovation	SMJ08196
Innovation Technologies	SMJ10036
Intelligent Systems	SMJ03058
Interaction Design	SMJ10038
International Accounting	SMJ08117
International Business	SMJ08148
International Business	SMJ08193
International Business Studies	SMJ08139
International Exchange	SMJ10028
International Management	SMJ08129
International Management	SMJ08160
International Studies	SMJ09034
International Trade Law	SMJ09046
Internet Business Technology	SMJ08163
Internetworking	SMJ02043
Internetworking and Applications	SMJ01045
Internetworking and Applications	SMJ03037
Introductory Economics	SMJ09040
Introductory Finance	SMJ08181
IT Management	SMJ02047
Journalism	SMJ10043
Journalism	SMJ10034
Language other than English	SMJ09035
Management	SMJ08130
Management	SMJ08208
Management Consulting	SMJ08109
Management Reporting	SMJ08195
Manufacturing Automation	SMJ03060
Marine Biology	SMJ09055
Marketing	SMJ08084
Marketing	SMJ08138
Marketing Principles	SMJ08197
Marketing Research	SMJ08132
Marketing Research	SMJ08111
Mathematics	SMJ01007
Mechanical Engineering	SMJ03049
Mechatronics	SMJ03050
Media Arts and Production	SMJ10042
Media Studies	SMJ10032
Mental Health Nursing	SMJ06024
Mobile Computing	SMJ02044
Nanotechnology	SMJ10030
Neonatal Nursing	SMJ06025
Network Engineering	SMJ03051
Network Security	SMJ10048
Network Security	SMJ10049
Network Security	SMJ10051
Network Security	SMJ10050
Neuroscience Nursing	SMJ06026
Object and Accessory Design	SMJ10026
Operations and Supply Chain	SMJ08037
Operations Research	SMJ01011
Performative Spaces	SMJ04023
Perioperative Nursing	SMJ06027
Photography	SMJ10011
Physics	SMJ10031
Physics	SMJ01012
Project Management	SMJ08086
Public Relations	SMJ08153
Public Relations	SMJ08211
Quantitative Management	SMJ01026
Quantitative Management	SMJ01025

Quantitative Methods	SMJ01029
Reading Australia	SMJ09049
Research Methods	SMJ08206
Scientific Computing	SMJ02057
Scientific Computing	SMJ02054
Screen Studies	SMJ10033
Screenwriting	SMJ10044
Small Business Accounting	SMJ08120
Social Inquiry	SMJ09053
Software	SMJ03039
Software	SMJ03040
Software	SMJ03038
Software Engineering	SMJ02040
Software Engineering	SMJ03052
Specialist Country Studies	SMJ09036
Sport Management	SMJ08126
Sport Management	SMJ08155
Statistical Modelling	SMJ01032
Statistics	SMJ01009
Statistics (Life Sciences)	SMJ01030
Statistics (Physical Sciences)	SMJ01031
Strategic Information Technology	SMJ02015
Strategic Management	SMJ08038
Strategic Marketing	SMJ08204
Strategic Marketing	SMJ08205
Sustainable Energy Systems	SMJ03059
Sustainable Energy Systems Analysis	SMJ03054
Taxation Law	SMJ09033
Technology	SMJ03029
Telecommunications	SMJ03044
Telecommunications	SMJ03046
Telecommunications	SMJ03045
Textile Design	SMJ10012
Tourism Management	SMJ08156
Tourism Management	SMJ08127
Transnational Studies	SMJ09048
Transnational Studies (Global Studies)	SMJ10052
Value Creation in Services	SMJ08210
VFX Design	SMJ10047
Writing and Cultural Studies	SMJ10041

UTS CONTACTS AND LOCATIONS

CONTACTS

University of Technology, Sydney

telephone +61 2 9514 2000
fax +61 2 9514 1551
Service Desk https://servicedesk.uts.edu.au
Ask UTS www.ask.uts.edu.au
www.uts.edu.au

Postal addresses

All campuses
PO Box 123
Broadway NSW 2007
Australia

Kuring-gai campus
PO Box 222
Lindfield NSW 2070
Australia
For course inquiries, contact a UTS Student Centre (see page 22).

LOCATIONS

City campus

Broadway

- CB01, Tower, Building 1
  15 Broadway, Ultimo
- CB02, Building 2
  15 Broadway, Ultimo
- CB03, Bon Marche, Building 3
  755 Harris Street, Ultimo
- CB04, Building 4
  745 Harris Street and 95 Thomas Street, Ultimo
- CB04B Multi-Purpose Sports Hall
  745 Harris Street and 95 Thomas Street, Ultimo
- CB06, Peter Johnson Building,
  Building 6
  702–730 Harris Street, Ultimo
- CB08, The Terraces
  9–13 Broadway, Ultimo
- CB10, Building 10
  235 Jones Street, Ultimo

Haymarket

- CM05A–CM05D, Building 5
  1–59 Quay Street, Haymarket

Blackfriars

- CC01–CC07
  2–14 Blackfriars Street, Chippendale

Harris Street

- CH01, Mary Anne House
  645 Harris Street, Ultimo

McKee Street

- CK01, Magic Pudding Child Care
  1 McKee Street, Ultimo

Quay Street

- CQ01
  10 Quay Street, Haymarket

Student housing

- CA01, Geegal
  8–84 Ivy Street, Chippendale
- CA02, Bulga Ngurra
  23–27 Mountain Street, Ultimo
- CA03, Gumal Ngurang
  161 Broadway, Ultimo
- CA06, Yura Mudang
  702–730 Harris Street, Ultimo

Kuring-gai campus

- KG01–KG08
  Eton Rd, Lindfield
- KG05
  UTS Northshore Conference Centre

UTS Haberfield Rowing Club

- HA01
  Dobroyd Parade
  Haberfield NSW 2045

Psychology Unit, St Leonards

- SL03
  174 Pacific Highway
  St Leonards NSW 2065

Other location

- ST01–ST02
  Alderley Cottage
  Lot AFP 161894
  The Bucketts Way
  Booral NSW 2425

MAPS

UTS campus maps are available at:

http://datasearch.uts.edu.au/about/mapsdirections/map.cfm

INDEX

A

Abstudy, 34
Academic liaison officers, 37
Academic progression, 25
Academic units offering courses and subjects, 32
  Centre for Local Government, 32
  Institute for Sustainable Futures, 32
Academic year dates
  Offshore only – Other teaching periods, 47, 49
  Onshore and offshore – Short teaching periods, 46, 48
  Onshore – Main teaching periods, 46, 48
Access UTS on the Web, 2
Accomplish Award, 27
Alphabetical lists
  Majors, 1132
  Sub-majors, 1134
  Subjects, 1112
Application and admission, 24
  Domestic students, 24
  English proficiency, 24
  International students, 24
  Non-award and cross-institutional study, 24
Ask UTS and UTS Service Desk, 23
Assessment, 31
Assumed knowledge, 29
Attendance modes, 29
Australian Language and Culture Studies, 94
Availability and typical availability, 30
  Course availability, 30
  Subject availability, 30
  Timetable, 30

B

Beyond UTS International Leadership Development (BUiLD) program, 26
Brennan Justice and Leadership program, 27
Bridging courses, 37
Bachelor of Accounting (C10235v2), 244
Bachelor of Accounting (Honours) (C09062v1), 127
Bachelor of Arts (Honours) in Communication (C09009v4), 113
Bachelor of Arts in Communication (Creative Writing) (C10311v1), 307
Bachelor of Arts in Communication (Creative Writing) Bachelor of Arts in International Studies (C10312v1), 308
Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws (C10313v1), 310
Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation (C10337v1), 346
Bachelor of Arts in Communication (Cultural Studies) (C10317v1), 314
Bachelor of Arts in Communication (Cultural Studies) Bachelor of Arts in International Studies (C10318v1), 315
Bachelor of Arts in Communication (Cultural Studies) Bachelor of Laws (C10319v1), 316
Bachelor of Arts in Communication (Digital and Social Media) (C10314v1), 311
Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Arts in International Studies (C10315v1), 312
Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws (C10316v1), 313
Bachelor of Arts in Communication (Information and Media) (C10251v1), 269
Bachelor of Arts in Communication (Information and Media) Bachelor of Arts in International Studies (C10257v2), 276
Bachelor of Arts in Communication (Information and Media) Bachelor of Laws (C10263v3), 283
Bachelor of Arts in Communication (Information and Media) Bachelor of Creative Intelligence and Innovation (C10336v1), 344
Bachelor of Arts in Communication (Journalism) (C10246v1), 264
Bachelor of Arts in Communication (Journalism) Bachelor of Arts in International Studies (C10252v2), 271
Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation (C10335v1), 343
Bachelor of Arts in Communication (Journalism) Bachelor of Laws (C10258v3), 277
Bachelor of Arts in Communication (Media Arts and Production) (C10247v1), 265
Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Arts in International Studies (C10253v2), 272
Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws (C10259v3), 279
Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation (C10332v1), 338
Bachelor of Arts in Communication (Public Communication) (C10248v1), 266
Bachelor of Arts in Communication (Public Communication) Bachelor of Arts in International Studies (C10254v2), 273
Bachelor of Arts in Communication (Public Communication) Bachelor of Laws (C10261v3), 281
Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation (C10333v1), 340
Bachelor of Arts in Communication (Social Inquiry) (C10250v1), 268
Bachelor of Arts in Communication (Social Inquiry) Bachelor of Arts in International Studies (C10256v2), 275
Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation (C10334v1), 342
Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws (C10260v3), 280
Bachelor of Arts in Educational Studies (C10209v4), 228
Bachelor of Arts in International Studies, 90
Bachelor of Biomedical Science (C10115v7), 175
Bachelor of Biotechnology (C10172v5), 219
Bachelor of Biotechnology (Honours) (C09022v3), 116
Bachelor of Biotechnology Bachelor of Business (C10169v4), 218
Bachelor of Business (C10026v4), 132
Bachelor of Business (C10027v4), 135
Bachelor of Business (C10226v4), 238
Bachelor of Business (Honours) (C09004v6), 111
Bachelor of Business Bachelor of Arts in International Studies (C10020v4), 130
Bachelor of Business Bachelor of Arts in International Studies (C10021v4), 132
Bachelor of Business Bachelor of Creative Intelligence and Innovation (C10326v1), 325
Bachelor of Business Bachelor of Laws (C10125v9), 184
Bachelor of Business Bachelor of Science in Information Technology (C10219v4), 231
Bachelor of Construction Project Management (C10214v3), 228
Bachelor of Construction Project Management Bachelor of Arts in International Studies (C10215v3), 229
Bachelor of Design (Honours) (C09064v1), 129
Bachelor of Design (Honours) in Animation (C09056v1), 124
Bachelor of Design (Honours) in Architecture (C09048v2), 120
Bachelor of Design (Honours) in Fashion and Textiles (C09060v1), 126
Bachelor of Design (Honours) in Integrated Product Design (C09059v1), 126
Bachelor of Design (Honours) in Interior and Spatial Design (C09055v1), 123
Bachelor of Design (Honours) in Photography and Situated Media (C09052v1), 122
Bachelor of Design (Honours) in Visual Communication (C09061v1), 127
Bachelor of Design in Animation (C10273v1), 293
Bachelor of Design in Animation Bachelor of Arts in International Studies (C10274v1), 294
Bachelor of Design in Architecture (C10004v5), 129
Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation (C10325v1), 324
Bachelor of Design in Fashion and Textiles (C10306v1), 303
Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies (C10307v1), 303
Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation (C10321v1), 319
Bachelor of Design in Integrated Product Design (C10304v1), 301
Bachelor of Design in Integrated Product Design Bachelor of Arts in International Studies (C10305v1), 301
Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation (C10323v1), 321
Bachelor of Design in Interior and Spatial Design (C10271v1), 291

Bachelor of Design in Interior and Spatial Design Bachelor of Arts in International Studies (C10272v1), 292
Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation (C10322v1), 320
Bachelor of Design in Photography and Situated Media (C10265v1), 286
Bachelor of Design in Photography and Situated Media Bachelor of Arts in International Studies (C10266v1), 287
Bachelor of Design in Visual Communication (C10308v1), 305
Bachelor of Design in Visual Communication Bachelor of Arts in International Studies (C10309v1), 305
Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation (C10324v1), 323
Bachelor of Education Bachelor of Arts in International Studies (C10208v5), 226
Bachelor of Education in Primary Education (C10206v5), 224
Bachelor of Engineering (C10067v7), 155
Bachelor of Engineering Bachelor of Arts in International Studies Diploma in Engineering Practice (C10062v4), 148
Bachelor of Engineering Bachelor of Arts in International Studies (C10063v5), 150
Bachelor of Engineering Bachelor of Biotechnology (C10078v6), 172
Bachelor of Engineering Bachelor of Biotechnology Diploma in Engineering Practice (C10079v5), 174
Bachelor of Engineering Bachelor of Business (C10065v9), 151
Bachelor of Engineering Bachelor of Business Diploma in Engineering Practice (C10068v8), 160
Bachelor of Engineering Bachelor of Creative Intelligence and Innovation (C10339v1), 348
Bachelor of Engineering Bachelor of Medical Science (C10075v6), 170
Bachelor of Engineering Bachelor of Medical Science Diploma in Engineering Practice (C10076v6), 171
Bachelor of Engineering Bachelor of Science (C10073v6), 162
Bachelor of Engineering Bachelor of Science Diploma in Engineering Practice (C10074v5), 169
Bachelor of Engineering Diploma in Engineering Practice (C10061v6), 142
Bachelor of Engineering Science (C10066v4), 152
Bachelor of Engineering Science Bachelor of Laws (C10136v8), 194
Bachelor of Engineering Science in Aerospace Operations (C10069v3), 162
Bachelor of Environmental Biology (C10223v1), 234
Bachelor of Environmental Forensics (C10227v4), 239
Bachelor of Forensic Biology in Biomedical Science (C10174v4), 220
Bachelor of Forensic Science (Honours) in Applied Chemistry (C09050v1), 121
Bachelor of Forensic Science in Applied Chemistry (C10244v1), 261
Bachelor of Global Studies (C10264v1), 285
Bachelor of Health Science in Traditional Chinese Medicine (C10186v7), 223
Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies (C10164v5), 215
Bachelor of Information Technology (C10143v5), 195
Bachelor of Laws (C10124v7), 182
Bachelor of Laws Bachelor of Arts in International Studies (C10129v6), 191
Bachelor of Laws Bachelor of Creative Intelligence and Innovation (C10338v1), 347
Bachelor of Management (Honours) in Events and Leisure (C09005v6), 112
Bachelor of Management (Honours) in Tourism (C09007v4), 112
Bachelor of Management in Events and Leisure (C10039v10), 136
Bachelor of Management in Events and Leisure Bachelor of Arts in International Studies (C10045v9), 140
Bachelor of Management in Tourism (C10040v8), 137
Bachelor of Management in Tourism and Hospitality (C10048v6), 141
Bachelor of Management in Tourism Bachelor of Arts in International Studies (C10044v7), 138
Bachelor of Marine Biology (C10228v4), 240
Bachelor of Mathematics and Computing (C10158v4), 205
Bachelor of Mathematics and Computing Bachelor of Arts in International Studies (C10224v2), 235
Bachelor of Mathematics and Finance (C10155v8), 202
Bachelor of Mathematics and Finance (Honours) (C09021v6), 116
Bachelor of Mathematics and Finance Bachelor of Arts in International Studies (C10157v5), 204
Bachelor of Medical Science (C10184v5), 222
Bachelor of Medical Science (Honours) (C09031v3), 118
Bachelor of Medical Science Bachelor of Arts in International Studies (C10167v3), 216
Bachelor of Medical Science Bachelor of Business (C10163v4), 214
Bachelor of Medical Science Bachelor of Laws (C10131v6), 192
Bachelor of Midwifery (C10225v2), 236
Bachelor of Midwifery (Honours) (C09051v1), 122
Bachelor of Midwifery Bachelor of Creative Intelligence and Innovation (C10329v1), 331
Bachelor of Nursing (C10122v10), 176
Bachelor of Nursing (Honours) (C09018v5), 114
Bachelor of Nursing Bachelor of Arts in International Studies (C10123v6), 180
Bachelor of Property Economics (C10310v1), 306
Bachelor of Property Economics (Honours) (C09063v1), 128
Bachelor of Property Economics Bachelor of Arts in International Studies (C10320v1), 318
Bachelor of Science (C10242v1), 248
Bachelor of Science (Honours) in Applied Chemistry (C09026v3), 117
Bachelor of Science (Honours) in Applied Physics (C09035v4), 119
Bachelor of Science (Honours) in Biomedical Science (C09023v3), 117
Bachelor of Science (Honours) in Environmental Science (C09029v3), 118
Bachelor of Science (Honours) in Information Technology (C09019v4), 114
Bachelor of Science (Honours) in Mathematics (C09020v6), 115
Bachelor of Science (Honours) in Nanotechnology (C09046v2), 120
Bachelor of Science Bachelor of Arts in International Studies (C10243v1), 255
Bachelor of Science Bachelor of Business (C10162v4), 209
Bachelor of Science Bachelor of Creative Intelligence and Innovation (C10330v1), 333
Bachelor of Science Bachelor of Laws (C10126v7), 185
Bachelor of Science in Games Development (C10229v3), 242
Bachelor of Science in Information Technology (C10148v4), 197
Bachelor of Science in Information Technology Bachelor of Arts in International Studies (C10239v1), 245
Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation (C10327v1), 327
Bachelor of Science in Information Technology Bachelor of Laws (C10245v3), 262
Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice (C10152v4), 199
Bachelor of Sound and Music Design (C10269v1), 288
Bachelor of Sound and Music Design Bachelor of Arts in International Studies (C10270v1), 289
Bachelor of Sport and Exercise Management (C10301v2), 297
Bachelor of Sport and Exercise Management (Honours) (C09058v2), 125
Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies (C10303v2), 299
Bachelor of Sport and Exercise Science (C10300v2), 295
Bachelor of Sport and Exercise Science (Honours) (C09057v2), 124
Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies (C10302v2), 297
Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation (C10328v1), 329
Bachelor of Teaching in Secondary Education (C08002v1), 521

C

Campus life, 38
  Child care, 38
  Co-op, 38
  Radio 2SER (107.3 FM), 39
  Students' Association, 39
  UTS Gallery and Art Collection, 39
  UTS Union Ltd, 39
Census dates, 25
Centre for Local Government, 32
Centrelink benefits, 34
Child care, 38
Choice blocks, 550
Class attendance, 29
Commonwealth Higher Education Student Support Number (CHESSN), 34
Commonwealth scholarships, 33
Computing facilities at UTS, 36
Contacts, 1136
Co-op, 38
Copyright statement, 2

Core subjects, 31
Course and subject fees, 35
Course areas, 22
UTS: Business, 50
UTS: Communication, 54
UTS: Creative Intelligence and Innovation, 58
UTS: Design, Architecture and Building, 59
UTS: Education, 62
UTS: Engineering, 64
UTS: Health, 74
UTS: Information Technology, 84
UTS: International Studies, 90
UTS: Law, 96
UTS: Pharmacy, 104
UTS: Science, 105
Course availability, 30
Course completion and graduation, 25
Eligibility to graduate, 25
Graduation, 25
Course duration and attendance, 29
Attendance modes, 29
Class attendance, 29
Enrolment restrictions, 29
International students, 29
Standard duration, 29
Study load, 29
Teaching periods, 29
Course programs, 31
Course structure, 30
Courses
List of courses by course area, 10
List of courses by faculty, 16
Postgraduate coursework, 352
Postgraduate research, 524
Undergraduate, 111
Understanding courses and subjects, 29
Credit points, 31
Credit recognition, 30

D

Dates
Academic year dates, 46
Principal dates, 41
Diploma in Information Technology Professional Practice (C20049v1), 350
Doctor of Creative Arts (C02020v2), 525
Doctor of Education (C02050v1), 532
Doctor of Education (C02055v1), 536
Doctor of Health Services (C02054v1), 535
Doctor of Midwifery (C02053v1), 534
Doctor of Nursing (C02052v1), 534
Doctor of Philosophy (C02001v2), 524
Doctor of Philosophy (C02018v3), 524
Doctor of Philosophy (C02019v3), 525
Doctor of Philosophy (C02024v3), 526
Doctor of Philosophy (C02028v6), 526
Doctor of Philosophy (C02029v4), 527
Doctor of Philosophy (C02030v3), 528
Doctor of Philosophy (C02031v3), 528
Doctor of Philosophy (C02037v4), 529
Doctor of Philosophy (C02039v3), 529
Doctor of Philosophy (C02041v4), 530
Doctor of Philosophy (C02047v1), 531
Doctor of Philosophy (C02048v3), 531
Doctor of Philosophy (C02056v1), 537
Doctor of Project Management (C02051v1), 532
Domestic students, 24

E

Editorial and production, 2
Electives, 31
Eligibility to graduate, 25
English proficiency, 24
Enrolment, 24
Enrolment restrictions, 29
Equity and diversity, 28
Examinations and results, 25
Grades and grade point average, 25
Executive Master of Business Administration (C04031v6), 357

F

Faculties, 22
Faculty-specific scholarships, 33
FEE-HELP, 34
Fees and costs, 35
Course and subject fees, 35
International student fees and costs, 35
Other costs, 35
Student services and amenities fee, 35
Financial assistance, 33
Abstudy, 34
Centrelink benefits, 34
Commonwealth Higher Education Student Support Number (CHESSN), 34
FEE-HELP, 34
HECS-HELP, 33
International loan schemes, 34
OS-HELP, 34
SA-HELP, 34
Study Assist, 33
UTS financial assistance, 34
Finding your way around, 22
Free speech, 2

G

General information
Academic year dates, 46
Principal dates, 41
Scholarships, assistance and fees, 33
Services and facilities, 36
Studying at UTS, 22
Understanding courses and subjects, 29
Global exchange, 26
Grades and grade point average, 25
Graduate Certificate in Accounting and Finance (C11015v7), 477
Graduate Certificate in Accounting Information Systems (C11017v4), 477
Graduate Certificate in Acute Care Nursing (C11201v1), 507
Graduate Certificate in Adult Education (C11221v1), 514
Graduate Certificate in Adult Numeracy Teaching (C11220v1), 513
Graduate Certificate in Anaesthetics and Recovery Room Nursing (C11117v5), 494
Graduate Certificate in Animation (C11234v1), 520
Graduate Certificate in Architecture (C11212v1), 511
Graduate Certificate in Arts Management (C11033v6), 479
Graduate Certificate in Australian Law (C11211v2), 510
Graduate Certificate in Business Administration (C11008v6), 476
Graduate Certificate in Child and Family Health Nursing (C11200v2), 506
Graduate Certificate in Children's Nursing (C11194v1), 502
Graduate Certificate in Clinical Management (C11109v8), 493
Graduate Certificate in Clinical Teaching (C11195v1), 503
Graduate Certificate in Communications Law (C11217v1), 513
Graduate Certificate in Community and Not-for-Profit Management (C11024v4), 478
Graduate Certificate in Critical Care Nursing (C11118v4), 495
Graduate Certificate in Design (C11225v1), 516
Graduate Certificate in Development Assessment (C11204v1), 507
Graduate Certificate in Diabetes Education and Management (C11115v4), 493
Graduate Certificate in Dispute Resolution (C11125v4), 497
Graduate Certificate in Editing and Publishing (C11071v3), 490
Graduate Certificate in Engineering (C11048v3), 482
Graduate Certificate in Engineering Management (C11054v2), 487
Graduate Certificate in Engineering Management (C11057v2), 488
Graduate Certificate in Environmental Engineering Management (C11051v3), 486
Graduate Certificate in Event Management (C11038v5), 481
Graduate Certificate in Executive Business Administration (C11208v1), 509
Graduate Certificate in Finance (C11027v5), 479
Graduate Certificate in Health Services Management (C11107v8), 492
Graduate Certificate in Higher Education Teaching and Learning (C11228v1), 518
Graduate Certificate in Human Resource Management (C11198v2), 504
Graduate Certificate in Information Technology (C11142v6), 499
Graduate Certificate in Information Technology Management (C11138v6), 498

Graduate Certificate in Information Technology Project Management (C11192v1), 502
Graduate Certificate in Intellectual Property (C11229v1), 518
Graduate Certificate in Interactive Multimedia (C11143v3), 500
Graduate Certificate in Internetworking (C11145v6), 500
Graduate Certificate in Journalism (C11058v4), 489
Graduate Certificate in Local Government Leadership (C11215v2), 511
Graduate Certificate in Local Government Management (C11053v5), 487
Graduate Certificate in Management (C11021v4), 478
Graduate Certificate in Marketing (C11039v4), 481
Graduate Certificate in Mathematics (C11210v1), 509
Graduate Certificate in Media Arts and Production (C11227v1), 517
Graduate Certificate in Mental Health Nursing (C11106v3), 491
Graduate Certificate in Midwifery Studies (C11226v1), 517
Graduate Certificate in Neonatal Nursing (C11196v1), 504
Graduate Certificate in Neuroscience Nursing (C11119v3), 496
Graduate Certificate in Operations and Supply Chain Management (C11199v3), 505
Graduate Certificate in Perioperative Nursing (C11116v5), 494
Graduate Certificate in Pharmaceutical Sciences (C11230v1), 519
Graduate Certificate in Professional Accounting (C11206v3), 508
Graduate Certificate in Professional Legal Practice (C11232v1), 519
Graduate Certificate in Project Management (C11005v5), 475
Graduate Certificate in Property and Planning (C11001v5), 475
Graduate Certificate in Science (C11216v1), 512
Graduate Certificate in Screenwriting (C11066v5), 490
Graduate Certificate in Sport Management (C11037v5), 480
Graduate Certificate in Strategic IT Leadership (C11190v5), 501
Graduate Certificate in Teaching English to Speakers of Other Languages (C11223v1), 515
Graduate Certificate in Tourism Management (C11035v6), 480
Graduate Certificate in Trade Mark Law and Practice (C11130v4), 497
Graduate Diploma in Accounting and Finance (C07012v6), 456
Graduate Diploma in Adult Literacy and Numeracy Teaching (C06096v3), 445
Graduate Diploma in Architecture (C07115v1), 470
Graduate Diploma in Arts Management (C07028v7), 460
Graduate Diploma in Australian Law (C07073v5), 464
Graduate Diploma in Business Administration (C06009v7), 439
Graduate Diploma in Communication Management (C06105v1), 452
Graduate Diploma in Community and Not-for-Profit Management (C07019v5), 457
Graduate Diploma in Creative Writing (C06041v6), 442
Graduate Diploma in Design (C07119v1), 473
Graduate Diploma in Event Management (C06017v6), 440
Graduate Diploma in Finance (C07021v7), 458
Graduate Diploma in Health Services Management (C07048v7), 462
Graduate Diploma in Human Resource Management (C07113v2), 470
Graduate Diploma in Information Management (C07107v3), 468
Graduate Diploma in Information Technology (C06058v7), 443
Graduate Diploma in Information Technology Management (C06060v7), 444
Graduate Diploma in Integrated Communication (C06101v1), 448
Graduate Diploma in Intellectual Property (C06099v1), 447
Graduate Diploma in Interactive Multimedia (C07078v3), 466
Graduate Diploma in International Studies (C06106v1), 453
Graduate Diploma in Internetworking (C07080v6), 467
Graduate Diploma in Journalism (C06037v4), 441
Graduate Diploma in Legal Studies (C07074v5), 465
Graduate Diploma in Local Government Management (C06033v4), 440
Graduate Diploma in Management (C07018v4), 456
Graduate Diploma in Marketing (C07031v6), 461
Graduate Diploma in Mathematics and Statistics for Business and Finance (C06097v1), 446
Graduate Diploma in Media Arts and Production (C07120v1), 473
Graduate Diploma in Midwifery (C07070v5), 464
Graduate Diploma in Midwifery Studies (C07121v1), 474
Graduate Diploma in Nursing (C07044v3), 461
Graduate Diploma in Operations and Supply Chain Management (C07112v3), 469
Graduate Diploma in Organisational Change and Communication (C06102v1), 450
Graduate Diploma in Pharmaceutical Sciences (C06100v1), 448
Graduate Diploma in Planning (C07002v6), 454
Graduate Diploma in Project Management (C07004v4), 455
Graduate Diploma in Property Development (C06006v4), 438
Graduate Diploma in Public Relations (C06103v1), 451
Graduate Diploma in Quantitative Finance (C07023v3), 458
Graduate Diploma in Sport Management (C07029v6), 460
Graduate Diploma in Teaching English to Speakers of Other Languages (C07118v1), 471
Graduate Diploma in Tourism Management (C07027v7), 459
Graduation, 25

H

HECS-HELP, 33

I

In-country study, 91
Institute for Sustainable Futures, 32
International loan schemes, 34
International student fees and costs, 35
International students, 24, 29
Introduction to UTS, 22

J

Jumbunna Indigenous House of Learning, 38
Juris Doctor (C04236v3), 405
Juris Doctor Master of Business Administration (C04250v2), 425

L

Language and culture subjects, 91
Legislation, rules and policies, 27
  NSW child protection legislation, 27
  Right to information and privacy, 27
  Student complaints, 27
  UTS rules and policies, 27
  UTS Student Charter, 27
Locations, 1136

M

Majors, 637
Maps, 1136
Master of Advanced Architecture (C04240v1), 410
Master of Analytics (Research) (C03051v1), 547
Master of Animation (C04266v1), 437
Master of Architecture (C04235v2), 404
Master of Architecture (Research) (C03001v3), 537
Master of Arts (C04231v2), 398
Master of Arts in Communication Management (C04254v1), 429
Master of Arts in Creative Writing (C04109v7), 377
Master of Arts in Humanities and Social Sciences (Research) (C03018v2), 539
Master of Arts in Information and Knowledge Management (C04203v4), 388
Master of Arts in International Studies (C04262v1), 436
Master of Arts in International Studies (Research) (C03034v2), 543
Master of Arts in Journalism (C04106v5), 376
Master of Arts in Non-fiction Writing (C04244v1), 418
Master of Arts in Teaching English to Speakers of Other Languages (C04245v1), 419
Master of Arts in Training and Human Resource Development (C04249v1), 424
Master of Built Environment (Research) (C03002v4), 538
Master of Business (Research) (C03046v2), 544
Master of Business Administration (C04018v5), 355
Master of Business in Accounting and Finance (C04038v6), 358
Master of Business in Accounting Information Systems (C04037v5), 357
Master of Business in Finance (C04048v5), 359
Master of Business in Finance Extended (C04258v1), 433
Master of Business in Human Resource Management (C04227v3), 395
Master of Business in Human Resource Management Extended (C04260v1), 435
Master of Business in Information Technology Management (C04161v9), 387
Master of Business in Management (C04229v3), 397
Master of Business in Management Extended (C04259v1), 434
Master of Business in Marketing (C04067v6), 361
Master of Business in Marketing Extended (C04261v1), 435

Master of Business in Operations and Supply Chain Management (C04226v4), 394
Master of Communications Law (C04242v1), 416
Master of Creative Arts (Research) (C03044v2), 543
Master of Design (C04243v2), 417
Master of Design (Research) (C03012v3), 538
Master of Dispute Resolution (C04145v4), 382
Master of Education (C04232v3), 400
Master of Education (Research) (C03047v1), 544
Master of Engineering (C04090v5), 362
Master of Engineering (Research) (C03017v2), 539
Master of Engineering Management (C04085v2), 361
Master of Engineering Management (C04094v5), 366
Master of Engineering Management Master of Business Administration (C04102v2), 375
Master of Engineering Studies (C04097v2), 367
Master of Engineering Studies Master of Engineering Management (C04207v2), 391
Master of Environmental Engineering Management (C04098v3), 374
Master of Health Services (Research) (C03050v2), 546
Master of Health Services Management (C04140v9), 378
Master of Health Services Management and Planning (C04246v1), 420
Master of Information Technology (C04157v8), 384
Master of Information Technology (Extended) (C04218v5), 391
Master of Intellectual Property (C04251v1), 427
Master of Interactive Multimedia (C04158v3), 385
Master of Laws (C04143v6), 382
Master of Laws (Research) (C03024v6), 540
Master of Legal Studies (C04147v5), 383
Master of Local Government (C04257v1), 433
Master of Management (C04239v2), 408
Master of Media Arts and Production (C04248v1), 423
Master of Midwifery (C04247v1), 422
Master of Midwifery (Research) (C03049v2), 545
Master of Nursing (C04228v1), 395
Master of Nursing (Research) (C03048v2), 545
Master of Pharmaceutical Sciences (Research) (C03054v1), 548
Master of Pharmacy (C04252v1), 428
Master of Pharmacy (Research) (C03053v1), 548
Master of Planning (C04007v6), 353
Master of Professional Accounting (C04238v3), 407
Master of Professional Accounting Extended (C04237v2), 406
Master of Project Management (C04006v6), 352
Master of Property Development (C04008v5), 354
Master of Quantitative Finance (C04052v4), 360
Master of Science (C04241v2), 411
Master of Science (Research) (C03029v3), 542
Master of Science in Computing Sciences (Research) (C03025v3), 541
Master of Science in Internetworking (C04160v6), 386
Master of Science in Internetworking (Extended) (C04224v2), 393
Master of Science in Mathematical Sciences (Research) (C03026v5), 541
Master of Sport and Exercise (Research) (C03052v1), 547
Master of Sustainable Futures (Research) (C03032v4), 542
Mathematics and ICT Study Centre, 38
My Student Admin, 23

N

Non-award and cross-institutional study, 24
Non-discriminatory language, 2
NSW child protection legislation, 27

O

Options lists, 31
OS-HELP, 34
Other costs, 35
Other sources of information, 23

P

Peer-assisted learning, 36
Peer Network, 27
Postgraduate research, 23
Postgraduate research scholarships, 33
Prizes and awards, 26
Professional recognition, 30

R

Radio 2SER (107.3 FM), 39
Recommended studies, 31
Requisites and anti-requisites, 31
Right to information and privacy, 27

S

Safety and security, 40
Safety, security and sustainability, 40
  Safety and security, 40
  Sustainability, 40
SA-HELP, 34
Scholarships, 33
  Commonwealth scholarships, 33
  Faculty-specific scholarships, 33
  Postgraduate research scholarships, 33
  Scholarships for Indigenous students, 33
  Scholarships for international students, 33
  UTS Diversity Access Scholarships, 33
  Vice-Chancellor's scholarships, 33
Scholarships, assistance and fees, 33
  Fees and costs, 35
  Financial assistance, 33
  Scholarships, 33
Scholarships for Indigenous students, 33
Scholarships for international students, 33
Services and facilities, 36
  Campus life, 38
  Safety, security and sustainability, 40
  Student learning centres, 38
  Support for student learning, 36
  UTS Library, 38
Shopfront, 26
SOUL Award, 26
Standard duration, 29
Streams, 707
Student complaints, 27
Student identity cards, 23
Student inquiries, 22
  Postgraduate research, 23
  UTS International, 23
  UTS Student Centres, 22
Student leadership programs, 26
  Accomplish Award, 27
  Beyond UTS International Leadership Development (BUiLD) program, 26
  Brennan Justice and Leadership program, 27
  Peer Network, 27
  Shopfront, 26
  SOUL Award, 26
Student learning centres, 38
  Jumbunna Indigenous House of Learning, 38
  Mathematics and ICT Study Centre, 38
Student Ombuds, 28
Students' Association, 39
Student services, 36
Student services and amenities fee, 35
Study Assist, 33
Studying at UTS, 22
  Academic progression, 25
  Application and admission, 24
  Census dates, 25
  Course completion and graduation, 25
  Enrolment, 24
  Equity and diversity, 28
  Examinations and results, 25
  Faculties, 22
  Finding your way around, 22
  Global exchange, 26
  Introduction to UTS, 22
  Legislation, rules and policies, 27
  Prizes and awards, 26
  Student identity cards, 23
  Student inquiries, 22
  Student leadership programs, 26
  Student Ombuds, 28
  Studying at UTS:INSEARCH, 27
  UTS communication with students, 23
Studying at UTS:INSEARCH, 27
Study load, 29

Study package directory, 550
Choice blocks, 550
Majors, 637
Sub-majors, 691
Streams, 707
Study plans, 30
Subject availability, 30
Subjects, 31
Assessment, 31
Core subjects, 31
Credit points, 31
Electives, 31
Options lists, 31
Recommended studies, 31
Requisites and anti-requisites, 31
Subjects offered by other faculties or institutions, 31
Sub-majors, 691
Sub-structures, 30
Support for student learning, 36
Academic liaison officers, 37
Bridging courses, 37
Computing facilities at UTS, 36
Peer-assisted learning, 36
Student services, 36
Sustainability, 40

T

Teaching periods, 29
Timetable, 30

U

UAC codes, 30
Understanding courses and subjects, 29
Academic units offering courses and subjects, 32
Assumed knowledge, 29
Availability and typical availability, 30
Course duration and attendance, 29
Course programs, 31
Course structure, 30
Credit recognition, 30
Professional recognition, 30
Study plans, 30
Sub-structures, 30
Subjects, 31
UAC codes, 30
University medal, 26
UTS: Business, 50
Information for students, 50
Postgraduate course information, 53
Undergraduate course information, 51
UTS: Communication, 54
Information for students, 54
Postgraduate course information, 56
Undergraduate course information, 55
UTS communication with students, 23
Ask UTS and UTS Service Desk, 23
My Student Admin, 23
Other sources of information, 23
UTS email, 23
UTS: Creative Intelligence and Innovation, 58
Information for students, 58
Undergraduate course information, 58
UTS: Design, Architecture and Building, 59
Information for students, 59
Postgraduate course information, 60
Undergraduate course information, 60
UTS Diversity Access Scholarships, 33
UTS: Education, 62
Adult education, 63
Information for students, 62
Postgraduate course information, 63
Teacher education, 62
UTS email, 23
UTS: Engineering, 64
Information for students, 64
Postgraduate course information, 68
Undergraduate course information, 67
UTS financial assistance, 34
UTS Gallery and Art Collection, 39
UTS: Health, 74
Information for students, 74
Postgraduate course information, 79
Undergraduate course information, 76
UTS: Information Technology, 84
Information for students, 84
Postgraduate course information, 86
Undergraduate course information, 86
UTS International, 23
UTS: International Studies, 90
Australian Language and Culture Studies, 94
Bachelor of Arts in International Studies, 90
Foundations in international studies and contemporary society, 94
In-country study, 91
Information for students, 90
Language and culture subjects, 91
Postgraduate course information, 96
Special arrangements, 94
Undergraduate course information, 95
UTS: Law, 96
Information for students, 96
Postgraduate course information, 101
Undergraduate course information, 99
UTS Library, 38
UTS: Pharmacy, 104
Information for students, 104
Postgraduate course information, 104
UTS rules and policies, 27
UTS: Science, 105
Information for students, 105
Postgraduate course information, 110
Undergraduate course information, 108
UTS Student Centres, 22
UTS Student Charter, 27
UTS Union Ltd, 39

V

Vice-Chancellor's scholarships, 33