

Faculty of Built Environment and Engineering

Entry Programs (International)

QC01 Accelerated Foundation

QC02 Standard Foundation

QC04 Extended Foundation

QC10 English for Academic Purposes for degree programs

QC10 English for Academic Purposes for Foundation and University Diploma Programs

QC20 General English

QC21 General English Extension

QC22 English for Tertiary Preparation

QC24 English For Academic Purposes Plus

Certificate

QC05 University Certificate In Tertiary Preparation

Diploma

CE35 Associate Degree in Civil Engineering/Bachelor of Technology (Civil)

ME37 Advanced Diploma in Engineering (Mechanical)/Bachelor of Technology (Mechanical)

Bachelor Degree

AR48 Bachelor of Architecture

BN31 Bachelor of Built Environment (Architectural Studies)

BN31 Bachelor of Built Environment (Industrial Design)

BN31 Bachelor of Built Environment (Interior Design)

BN31 Bachelor of Built Environment (Landscape Architecture)

BN31 Bachelor of Built Environment (Urban and Regional Planning)

CE33 Bachelor of Technology (Civil)

CE35 Associate Degree in Civil Engineering/Bachelor of Technology (Civil)

CE44 Bachelor of Engineering (Civil)

CE45 Bachelor of Engineering (Civil)

CE46 Bachelor of Engineering (Civil and Environmental Management)

CN51 Bachelor of Applied Science (Construction Management)

CN53 Bachelor of Applied Science (Quantity Surveying)

CN54 Bachelor of Property Economics

DE40 Bachelor of Design

DE40 Bachelor of Design (Architectural Studies)

DE40 Bachelor of Design (Industrial Design)

DE40 Bachelor of Design (Interior Design)

DE40 Bachelor of Design (Landscape Architecture)

EE41 Bachelor of Engineering (Electrical and Computer Engineering)

EE42 Bachelor of Engineering (Electrical and Computer Engineering)

EE46 Bachelor of Engineering (Computer Systems)

EE47 Bachelor of Engineering (Telecommunications)

EE48 Bachelor of Engineering (Aerospace Avionics)

EN40 Bachelor of Engineering

EN40 Bachelor of Engineering (Aerospace Avionics)

EN40 Bachelor of Engineering (Civil and Construction)
EN40 Bachelor of Engineering (Civil and Environmental)
EN40 Bachelor of Engineering (Civil)
EN40 Bachelor of Engineering (Computer Systems)
EN40 Bachelor of Engineering (Electrical)
EN40 Bachelor of Engineering (Infomechatronics)
EN40 Bachelor of Engineering (Mechanical)
EN40 Bachelor of Engineering (Medical)
EN40 Bachelor of Engineering (Telecommunications)
EN40 Bachelor of Engineering - Dean's Scholars Program
IX25 Bachelor of Engineering (Software Engineering)
ME36 Bachelor of Technology (Mechanical) Conversion Program
ME37 Advanced Diploma in Engineering (Mechanical)/Bachelor of Technology (Mechanical)
ME40 Bachelor of Engineering (Infomechatronics)
ME41 Bachelor of Engineering (Mechanical)
ME41 Bachelor of Engineering (Mechanical) Conversion Program from Bachelor of Technology
ME36/ME37
ME42 Bachelor of Engineering (Mechanical)
ME48 Bachelor of Engineering (Medical)
PS47 Bachelor of Surveying
UD40 Bachelor of Urban Development
UD40 Bachelor of Urban Development (Construction Management)
UD40 Bachelor of Urban Development (Property Economics)
UD40 Bachelor of Urban Development (Quantity Surveying)
UD40 Bachelor of Urban Development (Spatial Science)
UD40 Bachelor of Urban Development (Urban and Regional Planning)

Bachelor Degree (Double)

IF21 Bachelor of Engineering (Electrical)/ Bachelor of Mathematics
IF28 Bachelor of Engineering (Electrical)/Bachelor of Business
IF59 Bachelor of Engineering (Electrical)/Bachelor of Information Technology
IX28 Bachelor of Business / Bachelor of Engineering
IX54 Bachelor of Engineering (Electrical)/Bachelor of Information Technology

Graduate Certificate

BN85 Graduate Certificate In Built Environment and Engineering
CN81 Graduate Certificate in Project Management
CN90 Graduate Certificate in Property Economics
IX97 Graduate Certificate in Research Commercialisation
PS82 Graduate Certificate in Planning Studies

Graduate Diploma

AR61 Graduate Diploma in Industrial Design
AR62 Graduate Diploma in Interior Design
CN64 Graduate Diploma in Project Management
CN91 Graduate Diploma in Property Economics
DB69 Graduate Diploma in Urban Design

EE67 Graduate Diploma in Computer and Communications Engineering

PS66 Graduate Diploma in Landscape Architecture

PS72 Graduate Diploma in Urban and Regional Planning

Masters Degree (Coursework)

BN87 Master of Engineering Management

BN88 Master of Infrastructure Management

BN89 Master of Project Management

CN77 Master of Project Management

CN92 Master of Property Economics

DB73 Master of Built Environment (Urban Design)

DE50 Master of Design (Urban Design)

EE74 Master of Engineering Science (Computer and Communications Engineering)

EE77 Master of Engineering Science (Electrical Engineering Studies)

EN40 Bachelor of Engineering - Dean's Scholars Program

EN50 Master of Engineering (Systems)

IX99 Master of Research and Development Management

ME76 Master of Engineering Management

ME80 Master of Engineering Science (Mechanical Engineering Studies)

PS70 Master of Urban and Regional Planning

PS71 Master of Landscape Architecture

UD50 Master of Urban Development (Urban and Regional Planning)

Masters Degree (Research)

BN71 Master of Applied Science (Research)

BN72 Master of Engineering

Doctoral

IF49 Doctor of Philosophy (Built Environment, Engineering)

University wide unit sets

Unit sets: Accounting, Economics and Finance

Unit sets: Advertising, Integrated Marketing Communication, Logistics, Marketing and Public Relations

Unit sets: Built Environment and Design

Unit sets: Creative Industries

Unit sets: Engineering

Unit sets: Entrepreneurship, Human Resource Management and Management

Unit sets: Natural Resource Sciences

Unit sets: Faculty of Health

Unit sets: Information Technology

Unit sets: International Business, Languages, and Tourism and Entertainment Marketing

Unit sets: International Exchange

Unit sets: International Studies

Unit sets: Justice and the Law

Unit sets: Mathematical Sciences

Unit sets: Multimedia and Technologies

Unit sets: Physical and Chemical Sciences

Unit sets: Science

Unit sets: Society and Culture

Unit sets: Urban Development and Construction

Bachelor of Architecture (AR48)

Year offered: 2009

Admissions: No

CRICOS code: 052308E

Course duration (full-time): 5 years full-time

Domestic fees (indicative): 2009: Full fee tuition \$8,250 per semester (indicative); CSP rate 2009 available July 2008

Domestic Entry: February

International Entry: February

QTAC code: 412372; Dfee: 412376

Past rank cut-off: 90. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 480

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Paul Sanders

Campus: Gardens Point

Additional Admission Information

The AR48 Bachelor of Architecture course has been replaced by DE40 Bachelor of Design (Architectural Studies) from 2006 onwards. There will be no intake into the AR48 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

International Students Course Structure - 6 years

International students enrol in the full time course structure for years 1 - 3 and the flexible full time structure for years 4 - 6. Prior to entering year 4, students may seek approval from the course coordinator to enrol in the full time course structure allowing them to complete in 5 years. To be eligible for the full time course structure (years 4-5), students must have completed 20 recognised weeks of approved employment which will be credited to the requirements of the unit Practical Experience B."

Early Exit Option

Students may elect to complete their studies after three years full-time (288 credit points). Students who select this option will graduate with The Bachelor of Built Environment (Architectural Studies), which is a pre-professional degree in architecture.

Professional Recognition

Graduates of the Bachelor of Architecture degree meet the academic requirements for membership of the Royal

Australian Institute of Architects and, following one year of post-graduate architectural experience, are eligible to undertake the registration examinations of the Board of Architects of Queensland.

Special course requirements

A Bachelor of Architecture student must be engaged in approved employment for at least 72 recognised weeks within the last 2-3 years of the course (ADB796 Practice Experience B). Prior to entering Year 4 Semester 1 students enrolled in the full time course structure, must have completed 20 recognised weeks of approved employment which will be credited to the requirements of Practice Experience B. Students enrolled in the flexible full-time course structure must be engaged in approved employment for at least 48 recognised weeks within the first 3 years of the course (ADB795 Practice Experience A).

Further Information

Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Course structure - full-time

Year 5 - Semester 1

ADB009	Architectural Design 9
ADB052	Architectural Research 2
ADB067	Elective Architectural Applications
ADB932	Professional Studies 2

Year 5 - Semester 2

ADB014	Contextual Studies 4
ADB033	Professional Studies 3
ADB053	Architectural Project
ADB796-1	Practice Experience B
ADB796-2	Practice Experience B

Special Course Notes

1	Students must meet pre-requisites in all subjects.
2	Late penalties for late assignments apply.
3	Course will involve compulsory field work within some units.

Course structure - flexible full-time

Year 5 - Semester 1

ADB009	Architectural Design 9
ADB932	Professional Studies 2

Year 5 - Semester 2

ADB014	Contextual Studies 4
ADB051	Architectural Research 1 Elective

Year 6 - Semester 1

ADB052 Architectural Research 2
ADB067 Elective Architectural Applications
Elective

Year 6 - Semester 2

ADB033 Professional Studies 3
ADB053 Architectural Project
ADB796-1 Practice Experience B
ADB796-2 Practice Experience B

Special Course Notes

- 1 Students must meet pre-requisites in all subjects.
- 2 Penalties for late assignments apply.
- 3 Course will involve compulsory field work within some units.
- 4 Acceptance into the flexible full-time mode requires approval of the course coordinator and by providing evidence of employment in an Architects office.

Potential Careers:

Architect .

Graduate Diploma in Industrial Design (AR61)

Year offered: 2009

Admissions: No

CRICOS code: 003479C

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: CSP \$3,690 per semester (indicative)

International Fees (per semester): 2009: \$10,500 per semester (indicative) (*subject to annual review*)

Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant degree or diploma from a recognised tertiary institution, or professional recognition through an equivalent course of study or examination.

Overview

During the course you are encouraged to develop your knowledge and expertise in design research, ergonomics, decision making, new product development, and CAD. The course consolidates skills and knowledge that encourages leadership.

Professional Recognition

The Graduate Diploma in Industrial Design has been recognised by the Design Institute of Australia (DIA). Graduates are eligible for associate membership. The QUT program is an educational member of the International Council of the Society of Industrial Design (ICSID).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

SPECIAL NOTE

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Industrial Designer.

Graduate Diploma in Interior Design (AR62)

Year offered: 2009

Admissions: No

CRICOS code: 006361D

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: CSP \$3,700 per semester (indicative)

International Fees (per semester): 2009: \$10,250 per semester (indicative) (*subject to annual review*)

Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Entry Requirements

A degree or diploma in interior design or in a relevant discipline from a recognised tertiary institution; or professional recognition through an equivalent course of study or examination.

Overview

This Graduate Diploma consolidates your research skills and encourages you to rigorously explore and identify issues relating to the function and quality of the interior environment. You develop specialist skills and apply them to produce interiors that are sensitive to the various demands of the client, the user and society as a whole.

Professional Recognition

The Graduate Diploma in Interior Design is recognised by the Design Institute of Australia (DIA).

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

SPECIAL NOTE

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Bachelor of Built Environment (Architectural Studies) (BN31)

Year offered: 2009

Admissions: No

CRICOS code: 003507D

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative)
per semester

International Fees (per semester): 2009: \$10,750
(indicative) per semester (*subject to annual review*)

International Entry: February

OP Guarantee: Yes

Assumed knowledge: English (4 SA)

Preparatory studies: ENGLISH: Successful completion of a
year of full-time vocational or tertiary study. For further
information contact 07 3138 2000 or email
sbs.enquiries@qut.edu.au

Total credit points: 288

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Paul Sanders

Campus: Gardens Point

Further Information

Phone +61 7 3138 2626, Fax +61 7 3138 5280, email:
bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students
should seek advice from the Course Coordinator regarding
their remaining course program.

Bachelor of Built Environment (Industrial Design) (BN31)

Year offered: 2009

Admissions: No

CRICOS code: 003507D

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$10,750 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412382; Dfee: 412386

Past rank cut-off: 83. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 288

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Andrew Scott

Campus: Gardens Point

Other Majors

See also entries for the following majors in this course: Interior Design, Landscape Architecture, and Urban and Regional Planning.

Career Outcomes

Industrial designers create and produce commercial and industrial products to improve peoples' lives. They make models and prototypes of designs that cover a wide range of manufactured goods from toasters to computer terminals to rapid transport systems. When designing new or improving existing products they must consider factors influencing product design such as useability, costs, materials, technology or environment. They research product usage, make detailed drawings and supervise the construction of prototypes for testing. They mainly work in small business or consulting practices. QUT Industrial Design graduates are working worldwide in places such as the UK, Singapore and France.

Overview

Students in this course develop their capacity to contribute to the design of products and systems for the mutual benefit of users and manufacturers of a wide range of products.

Professional Recognition

Graduates of the Bachelor of Built Environment (Industrial Design) who go on to complete the Graduate Diploma in Industrial Design are eligible for associate membership of the Design Institute of Australia. QUT is an Educational Member of the International Council of Societies of Industrial Design (ICSID).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals

48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further information

Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Industrial Designer.

Bachelor of Built Environment (Interior Design) (BN31)

Year offered: 2009

Admissions: No

CRICOS code: 003507D

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,568 per semester (indicative)

International Fees (per semester): 2009: \$10,750 per semester (indicative) (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412362; Dfee: 412366

Past rank cut-off: 90. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 288

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Mark Taylor

Campus: Gardens Point

Other Majors

See also entries for the following majors in this course: Industrial Design, Landscape Architecture, and Urban and Regional Planning.

Career Outcomes

Interior Designers plan and execute the layout, finishes, lighting, fittings and furnishings in domestic interior design, retail and entertainment industry design, hospitality industry design, commercial office and corporate design. Interior designers may work as consultants or with a design company. They may also seek work involving production design for film, television and theatre as well as furniture and exhibition design. There is a trend for Australian interior design companies to practice in South East Asia and bid competitively for international commissions.

Overview

Students undertaking this course receive a general background in studies in built environment combined with a series of experiences exercises relating to basic design & specifically to interior design.

Professional Recognition

Successful completion of the Bachelor of Built Environment (Interior Design) satisfies the requirements for entry into the Graduate Diploma in Interior Design. Together the courses are recognised by the Design Institute of Australia as meeting the basic requirements for professional practice.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the

Faculty of Built Environment and Engineering.

For further information

Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Interior Designer.

Bachelor of Built Environment (Landscape Architecture) (BN31)

Year offered: 2009

Admissions: No

CRICOS code: 003507D

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,568 per semester (indicative)

International Fees (per semester): 2009: \$10,750 per semester (indicative) (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412342; Dfee: 412346

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 288

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Dr Jeannie Sim

Campus: Gardens Point

Other Majors

See also entries for the following majors in this course: Interior Design, Industrial Design, and Urban and Regional Planning.

Career Outcomes

Landscape architecture is predominantly a young profession with an increasing number of female practitioners. Sixty per cent of the profession is employed in private consultancies of landscape architects, architects, planners, urban designers and engineers. They are engaged primarily in site planning, site design, planting design and, to a lesser degree, landscape planning. Other opportunities for employment occur in the design sectors of government agencies. Some graduates work freelance on a contractual basis.

Overview

This course provides a broad based education for those seeking a career in landscape architecture. Landscape design forms the core of the course, and theory and problem-solving techniques enhance the development of students' capabilities.

Professional Recognition

Successful performance in the Bachelor of Built Environment (Landscape Architecture) enables students to gain entry to the Graduate Diploma/Master courses. The Graduate Diploma in Landscape Architecture is the only course of its kind in Queensland, and is accredited by the Australian Institute of Landscape Architects (AILA). Graduates from the Graduate Diploma or Master of Landscape Architecture are recognised in New Zealand and Hong Kong and overseas generally through their AILA membership.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further information

Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Landscape Architect.

Bachelor of Built Environment (Urban and Regional Planning) (BN31)

Year offered: 2009

Admissions: No

CRICOS code: 003507D

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$10,750 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412352; Dee: 412356

Past rank cut-off: 77. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 288

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Mr Paul Donehue

Campus: Gardens Point

Other Majors

See also entries for the following majors in this course: Interior Design, Industrial Design, and Landscape Architecture.

Career Outcomes

Urban and Regional Planners develop plans and policies for the use of land and resources. They aim to fulfil the social, cultural economic and environmental needs of the community. There are numerous employment opportunities can found in state and local government departments, with private sector planning consultants and land development enterprises. Graduates can build careers in urban design, community health and welfare, housing, transport, and strategic land-use planning, and land and resource development.

Overview

Urban and regional planning involves environmental design, map and aerial photo interpretation, human environment, land use generation, population and urban studies, economics of town planning, employment and industry, land development, demography and housing, and provision of community facilities.

Professional Recognition

Successful completion of the Bachelor of Built Environment (Urban and Regional Planning) enables students to gain entry to the Graduate Diploma/Masters in Urban and Regional Planning, which are both fully accredited by the Planning Institute of Australia (PIA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the another study area, that totals 48 credit points. This will not affect the total number of

credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further information

Phone +61 7 3138 2852 Fax +61 7 3138 1515

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Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Urban and Regional Planner, Urban Designer.

Master of Applied Science (Research) (BN71)

Year offered: 2009

Admissions: Yes

CRICOS code: 007897G

Course duration (full-time): 1 year (minimum), 2 years (maximum)

Course duration (part-time): 2 years (minimum), 4 years (maximum)

Domestic fees (indicative): Aust citizens or PRs will be awarded an RTS/RTA place or a QUT sponsorship for tuition fees. If you exceed the max time, you will be charged - 2009: \$6,720 per semester (indicative)

International Fees (per semester): 2009: \$11,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: At any time

International Entry: At any time

Campus: Gardens Point

Entry Requirements

A four-year degree in an appropriate discipline with Honours or equivalent qualification or a graduate diploma or masters degree in an appropriate discipline with a minimum grade point average of 5 with relevant experience or professional experience and/or other qualifications.

Part-time Study

QUT advises that International Students may only enrol in full-time studies.

Overview

From this research degree you acquire advanced knowledge of applied science research methods, applied to research problems in the built environment. As well as mastering relevant techniques, you can expect to develop high-level skills in investigation and critical thinking and extensive knowledge in a specialist area. Specialisations are available in Architecture, Interior Design, Industrial Design, Construction Management, Quantity Surveying, Property Economics, Project Management, Planning, Landscape Architecture and Surveying. Our Faculty staff are available to discuss your application with you. You are encouraged to approach them early in the development of the research proposal that forms part of your application. Master by Research studies normally include:

- * assessed coursework
- * participation in university scholarly activities such as research seminars, teaching and publication
- * regular meetings with supervisors
- * a program of supervised research and investigation
- * preparation of a thesis.

Fees

Australian students enrolling after August 31 2000 in a higher degree by research are subject to the conditions of the Commonwealth Government's Research Training Scheme (RTS). Research Students who enrol at QUT will be awarded an RTS place, which is funded by the Commonwealth, or a QUT Research Training Award Scheme (RTA) place, which is a fee remission scholarship.

Research Masters students are entitled to two years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for an extension, however the University may charge fees for the period of the program which exceeds the student's entitlement. The University determines the fee level.

HDR Director

Professor Mahen Mahendran

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1 - General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.

1.2 The Council's power to approve recommendations from Faculty Academic Boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedures relating to research degrees is exercised through a University Research Committee which is a subcommittee of University Academic Board.

1.3 University Research Committee has delegated responsibility for day-to-day administration of research masters degree courses to faculty academic boards. Academic boards shall report biannually to University Research Committee on progress made by Research Masters degree candidates.

1.4 This program is administered by the Academic Board of the Faculty of Built Environment and Engineering through its Faculty Research Committee. The program is offered in Architecture, Civil Engineering, Construction Management, Electrical and Electronic Systems Engineering, Industrial Design, Interior Design, Landscape Architecture, Mechanical, Manufacturing Engineering and Medical Engineering, Property Economics, Planning and Surveying.

1.5 In order to qualify for the award of the degree of Master of Applied Science (Research) or Master of Engineering a candidate must:

- * have completed the approved program involving advanced work under the supervision of a Thesis Panel prescribed by the Faculty Research Committee of the Built Environment and Engineering Academic Board
- * have submitted, and the Faculty Research Committee accepted a thesis, together with reports and/or documents where applicable, prepared under the supervision of the Thesis Panel
- * have completed such other work as may be prescribed by the Faculty Research Committee, and
- * submit to the Faculty Research Committee a declaration signed by the candidate that they have not been a candidate for another tertiary award without permission of the Faculty Research Committee.

2 - Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 There is a six-month maximum period for domestic students and nine months for international students,

between acceptance by the Faculty Research Committee and enrolment by the candidate in the Master of Applied Science (Research) or Master of Engineering before the offer of admission to the program lapses. Candidates are required to complete an enrolment form each semester.

A Note Regarding Enrolment

The Faculty and Student Services are to be advised of any changes to name, address or other personal details. Application to vary any aspect of the candidacy must be made in writing directly to the Faculty Research Committee for Built Environment and Engineering and be endorsed by the principal supervisor.

2.4 The minimum academic qualifications for admission to the Master of Applied Science (Research) or Master of Engineering are:

- * a four-year degree in an appropriate discipline in which the candidate has received at least second class Honours from the Queensland University of Technology, or

- * a qualification judged equivalent by the Faculty Research Committee, or

- * a grade point average of 5.0 or better in a graduate diploma program, in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing, or

- * a grade point average of 5.0 or better in a coursework masters degree program in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing.

An applicant for the Master of Applied Science (Research) or Master of Engineering program without the minimum entry requirement may present a case for admission based on the submission of evidence of qualifications which demonstrate the applicant's capacity to pursue the course of study.

The case may be based on the following:

- (a) three years professional experience in the general field in which the proposed work lies, or

- (b) satisfactory completion of an appropriate Masters qualifying program including formal coursework and/or reading program in related fields stipulated by the Faculty Research Committee, or

- (c) the submission of technical publications or other appropriate evidence which satisfies the Faculty Research Committee that advanced knowledge has been acquired in a branch of applied science relevant to the built environment or a division of engineering in which the applicant has worked as a professional practitioner in a position of responsibility. This knowledge should be relevant to the field of study proposed.

2.5 A candidate will be eligible to be registered as a graduate student if they are considered by Faculty Research Committee to meet the requirements for entry.

2.6 A candidate shall receive confirmed registration as a graduate student when they:

- * have satisfied the requirements for admission and achieved by work and study a standard recognised by Faculty Research Committee, or

- * have satisfied Faculty Research Committee that they are a suitable person to undertake the program, and

- * have satisfied Faculty Research Committee that they can devote sufficient time to the research and study.

2.7 In considering an applicant for registration, the Faculty Research Committee shall, in addition to assessing the

applicant's suitability, be satisfied that:

- * the proposed program is relevant to the aims and objectives of the University

- * the proposed program has relevance to the needs of society or industry, and

- * adequate resources are available to support the proposed program.

2.8 An application for registration should set out systematically and fully the candidates intended course of study including the following:

- * a description of the area of study within which the candidates course lies

- * a summary of the work to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program, its background, the significance and possible application of the research program, and the research plan

- * the location at which the work will be undertaken, the amount of time which will be devoted to it and the resources required

- * details of academic qualifications and supporting evidence, including copies of results for each year of courses undertaken

- * a brief account of industrial experience

- * a list of publications

- * sponsorship details

- * statement of approval by Head of School and/or Postgraduate Research Coordinator, and

- * any other relevant material.

2.9 The program is offered on a full-time or a part-time basis and may be undertaken externally. Part-time students normally will be employed in some professional capacity during the day and carry out their research projects on a part-time basis at QUT, in their place of employment or in a sponsoring organisation.

2.10 Full-time students may be on a scholarship from industry or QUT, and may carry out their research at QUT or in a sponsoring organisation. Normally full-time students would be expected to work on their research projects at QUT for not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a candidate may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.11 A candidate may be based at QUT or at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate's application is required for registration. A candidate may also be external where their residence is outside of Brisbane.

2.12 The Faculty Research Committee may cancel a candidate's registration if, after consulting a candidate's supervisor and having taken account of all relevant circumstances, the committee is of the opinion that the candidate either has effectively discontinued their studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.13 A candidate whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue a research program which is substantially the same as the previous investigation may be re-admitted under such conditions as the Faculty Research Committee shall prescribe.

3 - Course of Study

3.1 A candidate for the degree of Master of Applied Science (Research) or Master of Engineering will undertake a program of research and investigation on a topic approved by the Faculty Research Committee.

3.2 All projects should be supported by outside agencies such as industry, government authorities and professional organisations, or by QUT itself. This provision is to ensure that programs are relevant to the aims of the University and the community. It is important that projects be primarily directed towards society or industry need.

3.3 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.4 Where advised, a candidate may be required to complete satisfactorily a program of formal coursework in subjects relevant to the field of study up to a total class contact of 32 credit points.

3.5 The course of study normally will include:

- * participation in University scholarly activities such as research seminars, teaching and publication

- * regular face-to-face interactions with supervisors, and

- * a program of supervised research, design, investigation, development, construction, or any combination thereof.

The course of study may also include a program of assessed coursework.

3.6 Coursework at masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:

- * as advanced lecture courses

- * as seminars in which faculty and candidates present critical studies of selected problems within the subject field

- * as independent study or reading courses, or

- * as research projects conducted under faculty supervision.

Candidates will be encouraged to attend conferences where these are related to the field of the research.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.7 Maximum and Minimum Coursework Requirements:

Thesis - 96 credit points minimum (at least two-thirds of the degree content)

- * Maximum coursework requirement - 32 credit points

- * Minimum coursework requirement - 4 credit points - IFN001 Advanced Information Retrieval Skills

- * Maximum of 16 credit points per semester for each semester of the program

- * Additional Requirements:

Attendance and participation in School of Research Centre seminars/workshops (compulsory).

Students must contact the Postgraduate Research Coordinator in their School to finalise any other coursework component of their program.

4 - Period of Time for Completion of Course of Study

4.1 The duration of study will normally be a minimum of one year and a maximum of two years or the part-time equivalent.

4.2 In order to encourage completion of research degrees within a reasonable timeframe, QUT has set a limit of two years on the length of time for which it will fund a faculty for full-time research masters degree candidates.

4.3 A registered full-time graduate student shall present the thesis for examination after a period of at least one year but not more than two years has elapsed from the time of confirmed registration. A registered part-time graduate student shall present the thesis for examination after a period of at least two years. The maximum time is four years from the time of confirmed registration. In special cases the Faculty Research Committee may approve a shorter period.

4.4 Time limits are measured in years from the time of first registration as a graduate student. Periods of exclusion or absence without approval are included.

4.5 Candidates who exceed these limits may be asked to show cause why they should not have their registration in the program terminated. Such candidates must make formal application to the Faculty Research Committee to have their registration extended beyond the normal time. Details of the candidate's progress shall be presented to the committee together with the reasons for the delay in completing the course and the expected date of completion. Where the committee agrees to an extension, a time limit will be set for the maximum period of registration in the program.

4.6 Candidates are notified of termination by registered mail. They have right of appeal to the Academic Appeals Committee.

5 - Supervision

5.1 The Faculty Research Committee shall appoint at least one supervisor the principal supervisor and also at least one associate supervisor. Each member of the supervisory panel shall bring appropriate experience in the research area of the student.

5.2 The Principal Supervisor shall normally be from the academic staff of the QUT school in which the candidate is enrolled.

5.3 The Supervisory Panel shall supervise all aspects of the candidate's work program, shall receive reports from the candidate on progress and shall recommend to the Faculty Research Committee both on successful and unsuccessful completion of components of the coursework incorporated in the candidate's program, on progress on the thesis research project and on continued enrolment.

5.4 The Supervisory Panel shall receive a formal oral and written report from the candidate at least once every semester on progress on the research project.

5.5 Summary of Faculty Supervisory registration process: To ensure that students receive appropriate supervision from experienced supervisors and active researchers the Faculty has introduced a Supervisors Register which requires registered supervisors to demonstrate performance in three areas.

1. Practice - previous supervisory experience of at least five years.

2. Research - evidence of active research through grants and publications

3. Continuous development

6 - Place and Conditions of Work

6.1 The research program will normally be carried out under supervision in a suitable environment within Brisbane. However, external study is possible. External candidates will be required to spend a minimum of four weeks at QUT annually.

6.2 The Faculty Research Committee shall not admit a candidate to a program of research based at the University unless it has received:

- * a supporting statement from the Head of the QUT School and/or Postgraduate Research Coordinator in the School in which the study is proposed indicating that, in their opinion, the applicant is a suitable person to undertake a research program leading to the masters degree, that the program is supported, that the school is willing to undertake the responsibility of supervising the work of the applicant and that resources are available to support the proposed research.

6.3 The Faculty Research Committee shall not admit a candidate to a program of research based at a sponsoring establishment unless it has received:

- * a supporting statement from the employer or director of the sponsoring institution that they are aware of the course rules and are prepared to sponsor and support the applicant, that the applicant will be provided with facilities and time to undertake the research project and that they are willing to accept responsibility for supervising the applicant's work, and

- * a supporting statement from the head of the QUT school or Postgraduate Research coordinator in which the study is proposed indicating that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school is willing to accept the responsibility of supervising the work.

7 - Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with all the requirements of the document Requirements for Presenting Theses (Appendix 51 in the Manual of Policies and Procedures).

7.2 A candidate shall submit the title of their thesis for approval by the Faculty Research Committee with their application, and after approval has been granted, no change will be made except with the permission of the committee.

7.3 The candidate shall give two months' written notice of intention to submit their thesis through the Principal Supervisor.

7.4 The thesis shall comply with the following requirements:

- * a significant proportion of the work described (as determined by the Faculty Research Committee) must have been carried out subsequent to initial registration for the Masters degree.

- * it must describe a program of work carried out by the candidate and must involve either an advanced contribution to the knowledge of the subject or an advanced application of existing knowledge.

- * it must reach a satisfactory standard of literary presentation.

- * it shall be the candidate's own account of the work. Where

work is carried out conjointly with other persons, the Faculty Research Committee shall be advised of the extent of the candidate's contribution to the joint work.

- * the thesis shall not contain as its main content any work or material which the candidate has previously submitted for another degree or similar award.

- * the thesis may consist primarily of reports, plans and/or documents or may be supported by these if they have a bearing on the subject of the thesis. Other supporting documents such as published papers may also be submitted with the thesis.

- * the thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the Faculty Research Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate's ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

7.6 Subject to QUT's Intellectual Property policy, the copyright of the thesis is vested in the candidate.

7.7 Where a candidate, supervisor or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Faculty Research Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

7.8 Except where confidentiality of the thesis is necessary, students shall submit their thesis electronically after completion of the examination process and any corrections required to the QUT Library for inclusion in the Australian Digital Thesis Project.

8 - Examination of Thesis

8.1 The Faculty Research Committee shall appoint three examiners, at least one of whom shall be from outside of the University. No supervisor of the candidate shall be appointed as one of the examiners.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

8.3 A candidate may be required to make an oral defence of the thesis.

8.4 On receipt of the reports from the examiners, the Faculty Research Committee shall:

- (a) recommend that the thesis be accepted without modification, and to Academic Board that the candidate be awarded the degree, or

- (b) recommend to Academic Board that the candidate be awarded the degree, after any minor amendments requested by the examiners have been made, or

- (c) recommend that the thesis not be accepted until major revisions have been made. Such revisions might be rewriting one of the sections, with or without additional work, or

- (d) not accept the thesis and terminate the candidate's registration.

8.5 If the examiners' reports are conflicting, the Faculty Research Committee may, after appropriate consultation with the Thesis Panel, resubmit the thesis to the examiners with copies of the examiners' reports and/or seek the advice

of a further external examiner. After due consideration of further reports from the examiners, a majority decision will be accepted by the Faculty Research Committee.

Further Information

The Faculty of Built Environment and Engineering: Phone +61 7 3138 1424, Fax +61 7 3138 8381,
e-mail: bee.research@qut.edu.au
WEB address: <http://www.bee.qut.edu.au/research>

Potential Careers:

Architect , Art Project Manager, Artist, Community Education Officer, Community Worker, Construction Manager, Contract Administrator, Environmental Health Officer, Exchange Student, Industrial Designer, Landscape Architect, Manager, Medical Equipment Sales, Project Developer, Project Manager, Property Development, Property Economist, Public Servant, Quantity Surveyor, Real Estate, Secondary School Teacher, Teacher, Urban and Regional Planner, Urban Designer.

Master of Engineering (BN72)

Year offered: 2009

Admissions: Yes

CRICOS code: 003465J

Course duration (full-time): 1 year (minimum), 2 years (maximum)

Course duration (part-time): 2 years (minimum), 4 years (maximum)

Domestic fees (indicative): Aust citizens or PRs will be awarded an RTS/RTA place or a QUT sponsorship for tuition fees. If you exceed the max time, you will be charged - 2009: \$6,720 per semester (indicative)

International Fees (per semester): 2009: \$11,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: At any time

International Entry: At any time

Campus: Gardens Point

Entry Requirements

A four-year degree in an appropriate discipline with Honours or equivalent qualification or a graduate diploma or masters degree in an appropriate discipline with a minimum grade point average of 5 with relevant experience or professional experience and/or other qualifications.

Part-time Study

QUT advises that International Students may only enrol in full-time studies.

Overview

This research program for professional engineers equips you to solve complex industrial problems. The program is available in Civil, Electrical and Electronic Systems, Mechanical, Manufacturing and Medical Engineering. In completing the course you apply yourself to real-world problems in a research project which usually be sponsored by industry, government authorities, professional organisations or QUT. You can enhance your preparation for the research project by completing coursework units as part of your program. Master of Research studies normally include:

- * assessed coursework
- * participation in university scholarly activities such as research seminars, teaching and publication
- * regular meetings with supervisors
- * a program of supervised research and investigation
- * preparation of a thesis.

Fees

Australian students enrolling after August 31 2000 in a higher degree by research are subject to the conditions of the Commonwealth Government's Research Training Scheme (RTS). Research Students who enrol at QUT will be awarded an RTS place, which is funded by the Commonwealth, or a QUT Research Training Award Scheme (RTA) place, which is a fee remission scholarship.

Research Masters students are entitled to two years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for an extension, however the University may charge fees for the period of

the program which exceeds the student's entitlement. The University determines the fee level.

HDR Director

Professor Mahen Mahenrdran

Phone: +61 7 3138 2543

fax: +61 7 3138 1515

Course Information and Notes

Please consult notes for BN71 Master of Applied Science for course information and requirements.

Further Information

The Faculty of Built Environment and Engineering: Phone +61 7 3138 1424, Fax +61 7 3138 8381,

e-mail: bee.research@qut.edu.au

WEB address: <http://www.bee.qut.edu.au/research>

Potential Careers:

Aerospace Avionics Engineer, Biomechanical Engineer, Biomedical Engineer, Civil Engineer, Electrical and Computer Engineer, Electrical Engineer, Environmental Engineer, Exchange Student, Government Officer, Hydrogeologist, Industrial Designer, Information Security Specialist, Instrument Maker, Manager, Manufacturer, Mastering Engineer, Mechanical Engineer, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Network Manager, Programmer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Software Engineer, Systems Analyst, Teacher.

Graduate Certificate In Built Environment and Engineering (BN85)

Year offered: 2009

Admissions: Yes

CRICOS code: 060808G

Course duration (full-time): 1 semester

Course duration (part-time): 2 semesters

Domestic fees (indicative): 2009: Full fee tuition \$10,500 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 48

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang

Campus: Gardens Point

Overview

This course serves as a preparation and pathway program for students wishing to enter a masters program in the Faculty of Built Environment and Engineering. It is particularly aimed at students with either a three-year undergraduate degree, or a degree in a different area to the masters of their choice.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area; or a three-year full-time diploma and three or more years of relevant professional experience in a relevant discipline; and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

The Graduate Certificate in Built Environment and Engineering does not provide any specific career path. It is offered only as an alternative entry pathway to masters courses in the Faculty of Built Environment and Engineering.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

The course structures are divided into two major categories: Standard program and UD50 Articulation program.

All students, except those intending to advance to UD50 Masters of Urban Development (Urban and Regional Planning), must follow the standard program.

Standard Course structure - February Entry and July Entry

Full-time Structure - Year 1, Semester 1

BEE Undergraduate Unit 1

BEE Undergraduate Unit 2

Other Faculty Postgraduate Unit A

Other Faculty Postgraduate Unit B

All units to be approved by Postgraduate Coordinator prior to enrolment.

Part-time Structure

A part-time course structure will require completion of 1 BEE undergraduate level unit and 1 Other Faculty postgraduate level elective unit each semester (50% of standard load as above.)

Postgraduate Level Electives

IFP100	Knowledge Transfer and Research Commercialisation (Core Unit)
INN311	Enterprise Systems
INN221	Technology Management
KIP401	Visual Communication
PUN301	Occupational Health and Safety Law and Management
PUP415	Occupational Health
PUN001	Contemporary Risk Management
PUN500	Safety Management
IBN410	International Logistics Management
IBN408	Global Business Operations
MGN423	Contemporary Strategic Analysis
EFN420	Introduction To Financial Management
	Or consult with BN85 Course Leader.
	(Other suitable postgraduate units will be continually identified during course development.)

Undergraduate Level Electives

Suitable for BN87 path.

BSB115	Management
ENB333	Operations Management
ENB336	Industrial Engineering
ENB432	Engineering Asset Management and Maintenance
	Or consult with BN87 Course Leader.

Suitable for BN88 path.

ENB432	Engineering Asset Management and Maintenance
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NRB600 Sustainable Environmental Management
UDB104 Urban Development Economics
UDB316 Cost Planning and Control
Or consult with BN88 Course Leader.

UDN555 Development Assessment and Infrastructure
UDN556 Development Process
UDN557 Urban Design
UDN558 Regional and Metropolitan Policy

Suitable for BN89 path.

CNB402 Investment Theory
UDB213 Construction Estimating
UDB312 Contract Administration
UDB313 Programming and Scheduling
UDB316 Cost Planning and Control
UDB410 Construction Management
Or consult with BN89 Course Leader.

Part-time Structure

A part-time course structure will require completion of 2 units (50% of standard load as above.)

Suitable for DE50 path.

BEB902 Greening the Built Environment
BEB903 Greenhouse Solutions
BEB904 Eco-Innovation for Sustainability
DAB325 Architecture in the 20th Century
DAB525 Architecture and the City
HHB127 Environment And Society
NRB600 Sustainable Environmental Management
Or consult with DE50 Course Leader.
[BEB902, DAB325, and DAB525 are the most suitable.]

Suitable for EN50 path.

MOST SUITABLE:

ENB301 Instrumentation and Control
ENB342 Signals, Systems and Transforms

MECHANICAL ENGINEERING ORIENTED:

ENB311 Stress Analysis
ENB312 Dynamics of Machinery

ELECTRICAL ENGINEERING ORIENTED:

ENB350 Real-time Computer-based Systems
ENB352 Communication Environments For Embedded Systems

Or consult with EN50 Course Leader.

[Note: Some of these units have prerequisites which you will need to offer equivalencies for from your previous degree/s.]

UD50 Articulation Course structure - February Entry and July Entry

Full-time Structure - Year 1, Semester 1

Select 4 units from the list below:

UDN551 History of the Built Environment
UDN552 Population and Urban Studies
UDN553 Site Planning
UDN554 Planning Processes and Consultations

Master of Engineering Management (BN87)

Year offered: 2009

Admissions: Yes

CRICOS code: 006368G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$8,500 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer course specific enquiries to Course Leader.)

Discipline coordinator: Dr Jacob Coetzee (Course Leader)

Campus: Gardens Point

Overview

This course offers an engineering management qualification to practising engineers through a formal qualification in management with advanced engineering skills and knowledge. You can choose to specialise in manufacturing or maintenance engineering. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant engineering discipline area and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

The Master of Engineering Management allows graduates to become specialist engineering managers within their chosen professional field, particularly to become a leader and manager of engineering processes. Graduates can also use the skills and knowledge gained to diversify their capabilities across a broader spectrum of engineering disciplines.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Advanced Standing

Students completing two Masters courses in the Faculty of Built Environment and Engineering will be eligible to apply for a maximum of 24 credit points advanced standing in the second course on the basis of common units already completed. Such students will be required to complete a minimum of 72cp to be determined in consultation with the nominated Course Leader, to achieve the second Masters.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Full-time Course structure - February Entry

Year 1, Semester 1

BEN610	Project Management Principles
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
GSN235	Communication, Negotiation and Leadership

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
ENN530	Asset and Facility Management
ENN570	Enterprise Resource Planning

Full-time Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management
ENN570	Enterprise Resource Planning
AMN435	Communication, Negotiation and Leadership

Year 2, Semester 1

BEN610	Project Management Principles
BEN910	Integrated Project
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management

Part-time Course Structure - February Entry

Year 1, Semester 1

ENN530	Asset and Facility Management
ENN570	Enterprise Resource Planning

Year 1, Semester 2

BEN610	Project Management Principles
ENN510	Engineering Knowledge Management

Year 2, Semester 1

BEN710 Sustainable Practice in Built Environment and Engineering

AMN435 Communication, Negotiation and Leadership

Year 2, Semester 2

BEN910 Integrated Project

ENN515 Total Quality Management

Part-time Course structure - Mid-year Entry

Year 1, Semester 2

ENN530 Asset and Facility Management

ENN570 Enterprise Resource Planning

Year 2 Semester 1

BEN610 Project Management Principles

ENN510 Engineering Knowledge Management

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering

AMN435 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project

ENN515 Total Quality Management

Master of Infrastructure Management (BN88)

Year offered: 2009

Admissions: Yes

CRICOS code: 060807G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$8,250 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Standard credit points per full-time semester: 48

Standard credit points per part-time semester: 24

Course coordinator: Professor Jay Yang (Please refer course specific enquiries to Course Leader.)

Discipline coordinator: Professor Manicka Dhanasekar (Course Leader)

Campus: Gardens Point

Overview

This course addresses the main concepts and methodologies of infrastructure planning and management. It aims to advance and enhance your skills and understanding of the diverse types of infrastructure assets planning and management, including the environmental, social, institutional assessments, and economic and financial aspects of infrastructure management. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area; or an equivalent qualification, and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates may choose to become a project manager, asset manager, planner within an infrastructure organisation, or use the skills and knowledge gained to diversify their capabilities across a broader spectrum of construction disciplines. In particular, this course provides graduates with the skills and knowledge to become leaders and managers of infrastructure planning and management.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the

specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Advanced Standing

Students completing two Masters courses in the Faculty of Built Environment and Engineering will be eligible to apply for a maximum of 24 credit points advanced standing in the second course on the basis of common units already completed. Such students will be required to complete a minimum of 72cp to be determined in consultation with the nominated Course Leader, to achieve the second Masters.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
GSN235	Communication, Negotiation and Leadership
UDN572	Infrastructure Planning and Management
UDN574	Water Resource and Waste Management

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
ENN530	Asset and Facility Management
UDN576	Transportation Infrastructure

Part-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
UDN572	Infrastructure Planning and Management

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management

Year 2, Semester 1

GSN235	Communication, Negotiation and Leadership
UDN574	Water Resource and Waste Management

Year 2, Semester 2

BEN910	Integrated Project
UDN576	Transportation Infrastructure

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management
GSN235	Communication, Negotiation and Leadership
UDN576	Transportation Infrastructure

Year 1, Semester 1

BEN610 Project Management Principles
BEN910 Integrated Project
UDN572 Infrastructure Planning and Management
UDN574 Water Resource and Waste Management

Part-time Course Structure - Year 1, Semester 2

ENN530 Asset and Facility Management
UDN576 Transportation Infrastructure

Year 2, Semester 1

BEN610 Project Management Principles
UDN572 Infrastructure Planning and Management

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering
GSN235 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project
UDN574 Water Resource and Waste Management

Potential Careers:

Manager.

Master of Project Management (BN89)

Year offered: 2009

Admissions: Yes

CRICOS code: 060815G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$8,500 (indicative) per semester

International Fees (per semester): 2009: \$11,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer course specific enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)

Campus: Gardens Point

Overview

This course is designed to provide you with appropriate knowledge and experience in managing projects in professional organisations. It addresses the main concepts and methodologies of project management and provides you with educational opportunities for advanced study following your graduation in a relevant discipline. This course aims to produce project managers capable of ensuring project success through the management of constraints in time, cost and quality, as well as of social, political and environmental challenges. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area; and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates will have the necessary expertise to take on managerial roles in projects of their chosen profession. They will have acquired professional experience which will enable them to manage project goals within constraints, contribute to strategic decision making through understanding a range of specialty areas relevant to project management. They will also make a difference to professional practice by introducing project-based practices and a project management approach.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Advanced Standing

Students completing two Masters courses in the Faculty of Built Environment and Engineering will be eligible to apply for a maximum of 24 credit points advanced standing in the second course on the basis of common units already completed. Such students will be required to complete a minimum of 72cp to be determined in consultation with the nominated Course Leader, to achieve the second Masters.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
GSN235	Communication, Negotiation and Leadership
UDN590	Project Scope and Risk Management
UDN592	Resource, Schedule and Performance Management

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
UDN594	Procurement and Delivery Strategies
UDN596	Human Resource and Organisational Culture

Part-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
UDN590	Project Scope and Risk Management

Year 1, Semester 2

UDN594	Procurement and Delivery Strategies
UDN596	Human Resource and Organisational Culture

Year 2, Semester 1

GSN235	Communication, Negotiation and Leadership
UDN592	Resource, Schedule and Performance Management

Year 2, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
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AMN435 Communication, Negotiation and Leadership
UDN594 Procurement and Delivery Strategies
UDN596 Human Resource and Organisational Culture

Year 1, Semester 1

BEN610 Project Management Principles
BEN910 Integrated Project
UDN590 Project Scope and Risk Management
UDN592 Resource, Schedule and Performance Management

Part-time Course Structure - Year 1, Semester 2

UDN594 Procurement and Delivery Strategies
UDN596 Human Resource and Organisational Culture

Year 2, Semester 1

BEN610 Project Management Principles
UDN590 Project Scope and Risk Management

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering
AMN435 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project
UDN592 Resource, Schedule and Performance Management

Potential Careers:

Project Manager.

Bachelor of Technology (Civil) (CE33)

Year offered: 2009

Admissions: No

Domestic fees (indicative): 2009: CSP \$3,568 (indicative)
per semester

Associate Degree in Civil Engineering/Bachelor of Technology (Civil) (CE35)

Year offered: 2009

Admissions: No

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

Domestic Entry: February

QTAC code: This course is no longer offered

Past rank cut-off: 50

Past OP cut-off: 24

Total credit points: 288

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Fraser McGregor

Campus: Gardens Point

Entry Requirements

Applicants must apply via QTAC and satisfy the entry requirements for the Associate Degree in Civil Engineering at the Southbank Institute.

Career Outcomes

Civil Engineering Technologists provide complex technical support to assist civil engineers on the design construction and maintenance of projects. The Bachelor of Technology qualification is now required in government organisations such as Main Roads for positions such as chief design draftsman and construction supervisors. Immediate employment would be as design draftsman and on-site supervisor. The civil engineering consulting industry will also have a need for technologists trained in routine design procedures and CAD drafting skills.

Professional Recognition

The course has provisional recognition by Engineers Australia.

Dual TAFE/QUT Awards

This dual award is a cooperative arrangement between Southbank Institute (SBI) and the Faculty of Built Environment and Engineering, Queensland University of Technology. Initial entry is to a specially designed two-year associate degree at SBI, followed by a third year at QUT, to qualify for the Bachelor of Technology degree. In their second year students study units from QUT and SBI which form part of the Advanced Diploma, and in third year students study one module at SBI together with their QUT units to complete their Bachelor of Technology (Civil) degree.

Subject to final approval.

Special Course Requirements

A candidate for the degree of Bachelor of Technology (Civil) must obtain at least 45 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Course structure

Year 2 - Semester 1

ENB273	Civil Materials
SCB110	Science Concepts and Global Systems

Year 2 - Semester 2

ENB276	Structural Engineering 1
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Year 3 - Semester 1

ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
BEB801	Project 1
	One Elective from list below

Year 3 - Semester 2

ENB201	Fluid Mechanics
	One Elective from list below
ENB274	Design of Environmentally Sustainable Systems
HECEA205	Municipal Engineering (at Southbank Institute of Technology)

Electives - Semester 1

ENB375	Structural Engineering 2
ENB378	Water Engineering
MAB233	Engineering Mathematics 3

Electives - Semester 2

ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering

Potential Careers:

Engineering Technologist, Technical Officer.

Bachelor of Engineering (Civil) (CE44)

Year offered: 2009

Admissions: No

CRICOS code: 037544G

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February (July entry available to students with Advanced Standing)

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Fraser McGregor

Campus: Gardens Point

Additional Admission Information

The CE44 Bachelor of Engineering (Civil) course has been replaced by EN40 Bachelor of Engineering (Civil) from 2006 onwards. There will be no intake into the CE44 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Civil engineers plan, design, construct, operate and maintain roads, bridges, dams, water supply schemes, sewerage systems, transportation, harbours, canals, dockyard facilities, airports, railways, factories and large buildings. Civil engineers may gain employment with Local State and Commonwealth Governments, semi-government agencies, construction firms, power generating authorities, mining firms, property developers and consulting engineering firms. A small number are employed in research activities and teaching. After obtaining suitable experience there is also the opportunity to establish their own consulting engineering practice.

Overview

Fields of Study: Civil Eng major; Structural Analysis and Design, Computer Applications, Transport Engineering, Environmental Engineering, Geotechnical Mechanics, Water Engineering, Construction Management, Waste Management. Environmental major; Sustainable development, waste management, toxic site rehabilitation, water & wastewater Environmental Major: Students select the environmental units in their last year.

Professional Recognition

This degree is recognised for the purpose of membership of Engineers Australia. It is professionally recognised by the Hong Kong Institution of Engineers, the UK Institution of Mechanical Engineers, the Institution of Professional Engineers, New Zealand, The Institution of Engineers, Ireland and the various professional engineering registry bodies in the USA.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Mid-year entry

The CE45 Bachelor of Engineering (Civil) midyear course has been replaced by EN40 Bachelor of Engineering (Civil) from 2006 onwards. There will be no intake into the CE45 course in 2006 with the exception of QTAC applicants commencing their studies with at least 72 credit points of advanced standing (academic credit).

If offered a place, you may be are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil) must obtain at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Engineering (Civil) (CE45)

Year offered: 2009

Admissions: No

Domestic fees (indicative): 2009: CSP \$3,568 (indicative)
per semester

Bachelor of Engineering (Civil and Environmental Management) (CE46)

Year offered: 2009

Admissions: No

CRICOS code: 040310K

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.Z

OP Guarantee: Yes

Total credit points: 384

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Fraser McGregor

Campus: Gardens Point

Additional Admission Information

The CE46 Bachelor of Engineering (Civil and Environmental Management) course has been replaced by EN40 Bachelor of Engineering (Civil and Environmental Management) from 2006 onwards. There will be no intake into the CE46 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Environmental management is concerned mainly with the assessment and management of the effect of human and other activity on the environment. Graduates apply their skills to find solutions for the management of liquid and solid waste, or air and noise pollution. Graduates can be employed by government bodies and private companies involved with the environmental aspects of planning, designing, constructing and monitoring of structures and facilities including mines, factories, power stations, water and waste water treatment plants and refineries. As legislation becomes more stringent and the community's expectations increase, there will be need for institutions to employ more environmental engineers.

Overview

The course provides technical education civil, environmental engineering and science as well as environmental management skills in urban infrastructure and mining development will be taught. The course also teaches social, legal government and economic topics related to sustainable development.

Professional Recognition

This course has provisional accreditation from Engineers Australia (EA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil and Environmental Management) must obtain at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Deferment

QUT's deferment policy does not apply to this course.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Applied Science (Construction Management) (CN51)

Year offered: 2009

Admissions: No

CRICOS code: 006363B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,726 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

QTAC code: 412312; Dfee: 412316

Past rank cut-off: 75. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Dr Vaughan Coffey

Campus: Gardens Point

Additional Admission Information

The CN51 Bachelor of Applied Science (Construction Management) course has been replaced by UD40 Bachelor of Urban Development (Construction Management) from 2006 onwards. There will be no intake into the CN51 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Graduates employed in the construction process are involved in the coordinating of the construction and maintenance of large building projects, the development of government and corporate policies, the administration of regulations, and the development and research of building systems and products. They may be employed in private organisations such as large construction and development companies or consultancies while some are employed by government departments.

Overview

The course is concerned with the management of the overall process of construction projects and provides detailed understanding of project development from conception, through planning and construction to commissioning and maintenance. It develops skills in how to manage people, materials, equipment and plant while

focusing on issues such as cost, time, quality, safety and environment. It educates students to become effective construction managers with comprehensive technological knowledge, management principles and communication skills.

Special Course Requirements

All students are required to obtain a minimum of 100 days of employment in the final year of the course as a part of CNB409 Professional Practice 1 and CNB423 Professional Practice 2.

Professional Recognition

Graduates with relevant experience are eligible for membership of the Australian Institute of Building.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Course structure - Full-time

Please consult the Course Coordinator.

Course structure - Flexible Mode

Year 5 - Semester 1

UDB301	Research Methods
	Elective
	Elective

Year 5 - Semester 2

UDB302	Development Process
UDB316	Cost Planning and Control
UDB410	Construction Management

Year 6 - Semester 1

Elective
Elective

Course structure- Full-time -Mid-Year Entry

Year 5 - Semester 1

UDB301	Research Methods
UDB312	Contract Administration

Elective

Elective

Electives

Semester 1

CNB402 Investment Theory

CNB408 Advanced Building and Civil Construction

CNB481 Construction Dispute Management

Semester 2

CNB420 Current Construction Issues

CNB425 International Construction

CNB434 Dissertation B

Potential Careers:

Construction Manager, Estimator, Project Manager.

Bachelor of Applied Science (Quantity Surveying) (CN53)

Year offered: 2009

Admissions: No

CRICOS code: 003500M

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,726 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

QTAC code: 412332; Dfee: 412336

Past rank cut-off: 72. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Dr Johnny Wong

Campus: Gardens Point

Additional Admission Information

The CN53 Bachelor of Applied Science (Quantity Surveying) course has been replaced by UD40 Bachelor of Urban Development (Quantity Surveying) from 2006 onwards. There will be no intake into the CN53 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Quantity Surveyors prepare cost estimates and check actual expenditure for large construction projects. They usually work in offices but can also visit building sites, clients and members of teams. Graduates are employed by private quantity surveying firms, government departments and building companies.

Overview

The course prepares students to work as quantity surveyors or building economists. The course covers building management, cost planning and control, building development techniques, building research, computer software application, measurement of construction, and legal issues.

Special Course Requirements

All students are required to obtain a minimum of 100 days of employment in the final year of the course as a part of the units Professional Practice 1 and Professional Practice 2. Only international students are eligible to complete a portion of their work experience offshore, and in this case students will receive no assistance in gaining work experience.

Professional Accreditation and Recognition

The course is offered with or without honours. The honours version is fully accredited by the Royal Institution of Chartered Surveyors (RICS), while both the honours and non-honours versions of the course are fully accredited by the Australian Institute of Quantity Surveyors (AIQS) and the Board of Quantity Surveyors Malaysia (BQSM).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. The course coordinator will therefore need to be satisfied that the student fully understands the implications that the minor will have on professional accreditation and recognition before approval to the minor is granted. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Advanced Standing

Up to 4 semesters of advanced standing may be granted, subject to prior learning and qualifications.

In the special case of students who complete the QUT BAppSc Construction Management course and are therefore eligible to enter the final year of the BAppSc Quantity Surveying course, these students will find that their BAppSc Quantity Surveying course is only accredited by the Australian Institute of Quantity Surveyors.

Electives

Note A: Electives as listed or an approved elective from other QUT courses.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferral

QUT's deferral policy does not apply to this course.

Course structure - February Entry - Full-time

Please consult the Course Coordinator.

Course structure- July Entry Full time

Year 5 - Semester 1

UDB312	Contract Administration
UDB313	Programming and Scheduling
	Elective
	Elective

Course Structure - February Entry - Flexible-mode

Year 5 - Semester 1

BEB701 Work Integrated Learning 1
UDB301 Research Methods
UDB315 Measurement 3

Year 5 - Semester 2

BEB801 Project 1
UDB314 Statutory Construction Law
Elective

Year 6 - Semester 1

Elective
Elective

Electives

Semester 1

CNB402 Investment Theory
CNB408 Advanced Building and Civil Construction
CNB481 Construction Dispute Management
OR an approved elective from other QUT courses

Semester 2

CNB410 Property Development
CNB420 Current Construction Issues
CNB424 Specialist Measurement
CNB425 International Construction
OR an approved elective from other QUT courses

Note: CNB424 and CNB408 are core units for Malaysian students seeking BQSM accreditation

Potential Careers:

Estimator, Manager, Quantity Surveyor.

Bachelor of Property Economics (CN54)

Year offered: 2009

Admissions: No

CRICOS code: 040319A

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,726 (indicative) per semester

International Fees (per semester): 2009: \$9,750 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412322; Dfee: 412326

Past rank cut-off: 77; Dfee: 412326. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information.

OP Guarantee: Yes

Total credit points: 384, or 288 for 3 years early exit option

Course coordinator: Dr John Hayes

Discipline coordinator: Dr Bwembya Chikolwa

Campus: Gardens Point

Additional Admission Information

The CN54 Bachelor of Property Economics course has been replaced by UD40 Bachelor of Urban Development (Property Economics) from 2006 onwards. There will be no intake into the CN54 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Property economics is the profession associated with the management, administration and use of land and property such as office buildings, shopping centres, factories, hotels etc. Graduates work in private practice or as employees of property development, valuation, property management, investment or property finance companies. They may also work in government departments and local authorities concerned with rating, compulsory acquisitions or property development.

Overview

This course is concerned with all aspects of property - investment, asset management, development, valuation and research - with a focus on finance and on the commercial property market sector. The program incorporates a major in finance (through the Faculty of Business) and specialist 4th year programs, with strong industry links.

Special Course Requirements

All students must undertake 60 days' professional work experience during the course as part of CNB390 Professional Practice. All work experience must be approved by the course coordinator to verify that it is appropriate. A work experience diary is to be maintained and available for inspection by the unit coordinator as a formal assessment component.

A student registered in the flexible or part-time study program must be employed full-time in an approved organisation for three of the final four years of the course. Part-time study generally involves around 8 formal contact hours per week and some release from employment is required.

Professional Recognition

Graduates with relevant professional experience are eligible for membership of the Australian Property Institute and registration by the Valuers' Registration Board of Queensland. The course is accredited by the Royal Institution of Chartered Surveyors.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Note

Students may elect to complete their studies on the completion of 3 years (or flexible part-time equivalent). Students who select this option will graduate with a Bachelor of Applied Science (Property Economics) degree. This degree provides full domestic accreditation with the Australian Property Institute and Valuers' Registration Board of Queensland. Students graduating on the four year program have the potential to graduate with honours according to their overall grade point average.

Flexible Mode

Students may take up to 3 units per semester from the full-time timetable.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Project Developer, Project Manager, Property Development,
Property Economist, Property Management, Real Estate.

Graduate Diploma in Project Management (CN64)

Year offered: 2009

Admissions: No

CRICOS code: 006362C

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$8,000 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR successful completion in CN81 Graduate Certificate in Project Management with a grade point average of 5.0 or better, OR qualifications deemed equivalent to the above by the Dean of Faculty on the recommendation of the course coordinator; AND at least three years of appropriate industry experience after graduation. Students who commence mid-year should enrol in semester 2 units.

Overview

This program is designed to help you advance your professional project management career. Career opportunities are excellent in both public and private sectors, and salaries approach the highest in any industry.

Course Structure

In the Graduate Diploma students complete coursework units from the Masters degree with a range of elective options available. Variations to the recommended study program require prior approval from the course coordinator. School electives are offered subject to an appropriate enrolment each semester.

Persons admitted to the Graduate Diploma who are graduates of the Graduate Certificate in Project Management (CN81) will need to submit an application for Academic Credit form for the units they have already completed.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Construction Manager, Government Officer, Manager, Project Developer, Project Manager, Property Economist.

Master of Project Management (CN77)

Year offered: 2009

Admissions: No

CRICOS code: 016350B

Course duration (full-time): 1.5 years

Course duration (part-time): 3 years

Domestic fees (indicative): 2009: Full fee tuition \$8,000 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 144

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunaryah (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution and demonstrated potential in professional activity to undertake masters degree course, OR successful completion of CN64 Graduate Diploma in Project Management with a grade point average of 5.0 or better, OR qualifications deemed equivalent to the above by the Dean of the Faculty on the recommendation of the course coordinator, AND at least three years appropriate industry experience after graduation.

Overview

This program is designed to help you advance your professional project management career. The Project Management course provides generic project related skills essential for senior managers in a wide range of industries. Career opportunities are excellent in both public and private sectors, and salaries approach the highest in any industry.

Course Structure Information

The first two semesters full-time or four semesters part-time are identical to the Graduate Diploma in Project Management (CN64). Persons admitted to the Masters program who are graduates of the Graduate Diploma in Project Management (CN64) will need to submit an Application for Academic Credit form for the units they have already completed. At the completion of the coursework component of the Masters Degree program but before the completion of the Dissertation, students may elect to exit with the Graduate Diploma in Project Management.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Construction Manager, Government Officer, Manager, Project Developer, Project Manager, Property Economist.

Graduate Certificate in Project Management (CN81)

Year offered: 2009

Admissions: No

CRICOS code: 012705A

Course duration (full-time): 1 semester

Course duration (part-time): 1 year

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 48

Standard credit points per part-time semester: 24

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR

Qualifications and/or extensive, relevant professional experience deemed equivalent to the above by the Dean of Faculty on the recommendation of the course coordinator; AND

at least three years of appropriate industry experience after graduation.

Overview

This program is designed to help you advance your professional project management career. The Project Management course provides generic project related skills essential for senior managers in a wide range of industries. Career opportunities are excellent in both public and private sectors, and salaries approach the highest in any industry.

Course Structure

The first semester full-time or two semesters part-time are identical to the Graduate Diploma in Project Management (CN64). Students who complete the Graduate Certificate in Project Management (CN81) and are successful in gaining entry into the Graduate Diploma in Project Management (CN64) or Master of Project Management (CN77) will be eligible to receive credit for all units studied in the Graduate Certificate.

The full-time Graduate Certificate can only be completed in Semester 1 of any year.

Students who commence mid-year should enrol in Semester 2 units.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Project Developer, Project Manager, Property Economist.

Graduate Certificate in Property Economics (CN90)

Year offered: 2009

Admissions: No

CRICOS code: 036428G

Course duration (full-time): 1 semester

Course duration (part-time): 1 year

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 48

Standard credit points per part-time semester: 24

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR

Qualifications and/or relevant training considered to be deemed equivalent to the above by the Dean of Faculty on the recommendation of the course coordinator; AND at least three years of appropriate industry experience.

Related Courses

Graduate Diploma in Property Economics(CN91), Master of Property Economics(CN92)

Overview

The aim of the course is to produce graduates capable of making sound and reasonable judgements in property performance evaluation. The course will provide students with a comprehensive understanding of property as an economic and financial asset; knowledge and skills to evaluate and manage property, a sense of ethical and professional responsibility and the application of these attributes in the property field.

Course Structure

In the Graduate Certificate and Graduate Diploma courses, students complete coursework units from the Masters degree with a range of elective options available.

The full-time Graduate Certificate can only be completed in Semester 1 of any year.

Students who commence mid-year should enrol in Semester 2 units.

Majors

While the course provides an overview of property as an asset there are majors in PROPERTY INVESTMENT AND MANAGEMENT and PROPERTY DEVELOPMENT. There are several common units across the majors however applicants are required to select one major.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Construction Manager, Project Developer, Property Development, Property Economist, Property Management.

Graduate Diploma in Property Economics (CN91)

Year offered: 2009

Admissions: No

CRICOS code: 036429G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR successful completion of CN90 Graduate Certificate in Property Economics with a grade point average of 5.0 or better; and at least three years of appropriate industry experience after graduation.

Related Courses

Graduate Certificate in Property Economics (CN90) Master of Property Economics (CN92)

Overview

The aim of the course is to produce graduates capable of making sound and reasonable judgements in property performance evaluation. The course will provide students with a comprehensive understanding of property as an economic and financial asset; knowledge and skills to evaluate and manage property, a sense of ethical and professional responsibility and the application of these attributes in the property field.

Course Structure

In the Graduate Certificate and Graduate Diploma courses, students complete coursework units from the Masters degree with a range of elective options available. Students who commence mid-year should enrol in Semester 2 units.

Majors

While the course provides an overview of property as an asset, there are majors in PROPERTY INVESTMENT AND MANAGEMENT and PROPERTY DEVELOPMENT. There are several common units across the majors however applicants are required to select one major.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Project Developer, Property Development, Property Economist, Property Management.

Master of Property Economics (CN92)

Year offered: 2009

Admissions: No

CRICOS code: 036432A

Course duration (full-time): 1.5 years

Course duration (part-time): 3 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 144

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)

Campus: Gardens Point

Entry Requirements

A relevant three-year bachelor degree; OR
Successful completion of CN91 Graduate Diploma in Property Economics with a grade point average of 5.0 or above; and at least three years appropriate industry experience after graduation.

Overview

The aim of the course is to produce graduates capable of making sound and reasonable judgements in property performance evaluation. The course will provide students with a comprehensive understanding of property as an economic and financial asset; knowledge and skills to evaluate and manage property, a sense of ethical and professional responsibility and the application of these attributes in the property field.

Additional Information

The first two semesters full-time or four semesters part-time are identical to the Graduate Diploma in Property Economics (CN91). Persons admitted to the Masters program who are graduates of the Graduate Diploma in Property Economics (CN91) will need to submit an Application for Academic Credit form for the units they have already completed.

At the completion of the coursework component of the Masters Degree program but before the completion of the Dissertation, students may elect to exit with the Graduate Diploma in Property Economics.

Majors

While the course provides an overview of property as an asset, there are majors in Property Investment and Management and Property Development. There are several common units across the majors however applicants are required to select one major.

Course Structure

Variations to the recommended study program require prior approval from the course coordinator.

Students who commence mid-year should enrol in Semester 2 units.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Project Developer, Property Development, Property Economist, Property Management.

Graduate Diploma in Urban Design (DB69)

Year offered: 2009

Admissions: No

CRICOS code: 014018G

Course duration (full-time): 1 year

Course duration (part-time): 1.5 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Overview

Urban Design is primarily concerned with improving through design, the relationship between the many elements that make up urban areas. The course enhances your professional skills through developing an understanding of the social, economic, physical, historical, political, and legal processes which influence the form and structure of urban areas. Particular emphasis is placed on communication skills.

Entry Requirements

A Bachelor of Built Environment in a related discipline with a grade point average of 5 or better and demonstrated potential in a relevant professional activity or a degree or postgraduate qualification, relevant to Urban Design, with the grade point average of 5 or better and demonstrated potential in a relevant professional activity.

Applicants may be granted provisional entry to this course with a modified enrolment program on the basis of alternative academic or professional attainments.

You may be required to undertake a qualifying program to develop design literacy and graphic skills. A three-module full fee paying Summer unit is available for this purpose. Computer literacy is also required.

Course Requirements

Students must complete a minimum of 48 credit points per semester in the full-time course and a minimum of 24 credit points per semester in the part-time course. Students with a grade point average of 5 or better may articulate into the Masters program after one semester full-time or two semesters part-time study.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Urban and Regional Planner, Urban Designer.

Master of Built Environment (Urban Design) (DB73)

Year offered: 2009

Admissions: No

CRICOS code: 003475G

Course duration (full-time): 3 semesters including Summer semester

Course duration (part-time): 5 semesters

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 144

Standard credit points per full-time semester: 48

Standard credit points per part-time semester: 24

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Overview

Urban design is primarily concerned with improving through design, the relationship between the many elements that make up urban areas: buildings, places, spaces and movement and service systems. The course aims to enhance your professional skills through developing an understanding of the social, economic, physical, historical, political, and legal processes which influence the form and structure of urban areas. Particular emphasis is placed on communication skills.

Entry Requirements

Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of 48 credit points students will be considered for articulation to the Master of Built Environment (Urban Design) subject to a grade point average of 5.0 or better in the course.

Applicants may be granted provisional entry to the Graduate Diploma courses with a modified enrolment program on the basis of alternative academic or professional attainments. Some applicants may be required to undertake a qualifying program to develop design literacy and graphic skills. A three-module full-fee paying Summer unit is normally available for this purpose. Computer Literacy is also required.

Focus in the Masters Program

The masters program includes skills and knowledge development through set coursework in common with the Graduate Diploma in Urban Design, but also requires individual research and the writing of a dissertation. An Urban Design Master Studio is conducted over the Summer semester.

Master of Built Environment (Urban Design)

The normal progression will extend the graduate diploma program by a flexibly delivered summer semester (see Course Structure) for part-time and full-time students. Articulation from the graduate diploma to the masters level program will be available after one semester full-time or two semesters part-time provided that applicants have completed the preceding course work with a grade point average of 5.0 or better.

International Student Entry

QUT advises that international students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Urban and Regional Planner.

Bachelor of Design (DE40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056386C

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,563 per semester (indicative)

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Bachelor of Design (Architectural Studies) (DE40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056386C

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,563 per semester (indicative)

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412372

Past rank cut-off: 89

Past OP cut-off: 7

OP Guarantee: Yes

Assumed knowledge: English (4, SA)

Preparatory studies: ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Paul Sanders

Campus: Gardens Point

Overview

Design is the focus of this course; these studies are supported by studies in architectural technology, history and culture of architecture, ethical and legislative frameworks, and the study of architecture in practice.

Career Outcomes

The Bachelor of Design (Architectural Studies) is a four-year full-time pre-professional degree in architecture. Graduates of this course may articulate into the Master of Architecture.

Architects design buildings, provide concepts, specifications, detailed drawings and plans. They oversee construction, negotiate with planning authorities and inspect the work in progress. They are required to have design skills and technical knowledge of materials and processes used in construction. Architects can be employed in general practice or choose to specialise. Some of the specialisations available are commercial, industrial and institutional developments, historic building conservation and housing renovation. They can also be involved in project feasibility studies and strategic asset investigations. Architecture embraces art, technology and service. Architects play a leading role in interdisciplinary teams to solve problems of the built environment. A Bachelor of Architecture gives graduates exciting career choices and the opportunity to travel and work in Australia or overseas.

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other

Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

The School of Design - Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Professional Recognition

This course received a successful Preliminary Assessment by the RAI/AACA/Board of Architects of Queensland in 2006. This is the first step in a three-stage process to obtain full recognition and accreditation. Full accreditation will occur in 2010 when the first cohort graduates from the Master of Architecture (DE80).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
DAB110	Architectural Design 1
DEB101	Introducing Design
DEB102	Introducing Design History

Year 1 - Semester 2

BEB200	Introducing Sustainability
DAB210	Architectural Design 2
DAB220	Placemaking in Architecture
DEB201	Digital Communication

Year 2 - Semester 1

DAB310 Architectural Design 3
DAB325 Architecture in the 20th Century
DAB330 Integrated Technologies 1
Second Major/Minor unit

Year 2 - Semester 2

DAB410 Architectural Design 4
DAB420 Architecture, Culture and Space
DAB435 Architectural Technology 1
Second Major/Minor unit

Year 3 - Semester 1

DAB510 Architectural Design 5
DAB525 Architecture and the City
DAB530 Integrated Technologies 2
Second Major/Minor unit

Year 3 - Semester 2

DAB610 Architectural Design 6
DAB635 Architectural Technology 2
DEB601 Collaborative Design
Second Major/Minor unit

Year 4 - Semester 1

DAB710 Architectural Design 7
DEB701 Design and Research
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2

DAB810 Architectural Design 8
DEB801 Professional Practice
Second Major/Minor unit
Second Major/Minor unit

Potential Careers:

Architect .

Bachelor of Design (Industrial Design) (DE40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056386C

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,563 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412382

Past rank cut-off: 80

Past OP cut-off: 11

OP Guarantee: Yes

Assumed knowledge: English (4, SA)

Preparatory studies: ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Andrew Scott

Campus: Gardens Point

Overview

Students in this course develop their capacity to contribute to the design of products and systems for the mutual benefit of users and manufacturers of a wide range of products.

Career Outcomes

Industrial designers create and produce commercial and industrial products to improve people's lives. They make models and prototypes of designs that cover a wide range of manufactured goods from toasters to computer terminals to rapid transport systems. When designing new or improving existing products they must consider factors influencing product design such as useability, costs, materials, technology or environment. They research product usage, make detailed drawings and supervise the construction of prototypes for testing. They mainly work in small business or consulting practices. QUT Industrial Design graduates are working worldwide in places such as the UK, Singapore and France.

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

Further Information

The School of Design - Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Professional Recognition

The Bachelor of Design (Industrial Design) is recognised by DIA (Design Institute of Australia). Graduates of this course are eligible for DIA Membership. Industrial Design QUT is also an Educational member of ICSID (International Council of Societies of Industrial Design).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
DEB101	Introducing Design
DEB102	Introducing Design History
DNB101	Industrial Design 1

Year 1 - Semester 2

BEB200	Introducing Sustainability
DEB201	Digital Communication
DNB201	Industrial Design 2
DNB202	Product Usability

Year 2 - Semester 1

DNB301	Industrial Design 3
DNB302	Computer Aided Industrial Design
DNB303	Manufacturing Technology
	Second Major/Minor unit

Year 2 - Semester 2

DNB401	Industrial Design 4
DNB402	Socio-cultural Studies
	Second Major/Minor unit
	Second Major/Minor unit

Year 3 - Semester 1

DNB501 Industrial Design 5
DNB502 Industrial Design History, Theory and Criticism
Second Major/Minor unit
Second Major/Minor unit

Year 3 - Semester 2

DEB601 Collaborative Design
DNB601 Industrial Design 6
DNB602 New Product Development
Second Major/Minor unit

Year 4 - Semester 1

DEB701 Design and Research
DNB701 Industrial Design 7
DNB702 Human-centred Design Innovation
Second Major/Minor unit

Year 4 - Semester 2

DEB801 Professional Practice
DNB801 Research and Innovation 1
DNB802 Research and Innovation 2
Second Major/Minor unit

Potential Careers:

Industrial Designer.

Bachelor of Design (Interior Design) (DE40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056386C

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,563 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412362

Past rank cut-off: 87

Past OP cut-off: 8

OP Guarantee: Yes

Assumed knowledge: English (4, SA)

Preparatory studies: ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Mr Mark Taylor

Campus: Gardens Point

Careers Outcomes

Interior designers plan and execute the layout, finishes, lighting, fittings and furnishings in domestic interior design, retail and entertainment industry design, hospitality industry design, commercial office and corporate design. Interior designers may work as consultants or with a design company. They may also seek work involving production design for film, television and theatre as well as furniture and exhibition design. There is a trend for Australian interior design companies to practice in South-East Asia and bid competitively for international commissions.

Overview

Students undertaking this course receive a general background in studies in built environment combined with a series of experience exercises relating to basic design & specifically to interior design.

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Professional Recognition

Successful completion of the Bachelor of Design (Interior Design) is recognised by the Design Institute of Australia as

meeting the basic requirements for professional practice.

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

The School of Design - Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
DEB101	Introducing Design
DEB102	Introducing Design History
DTB101	Interior Design 1

Year 1 - Semester 2

BEB200	Introducing Sustainability
DEB201	Digital Communication
DTB201	Interior Design 2
DTB202	Design Technology

Year 2 - Semester 1

DTB301	Interior Design 3
DTB302	Colour Studies
DTB303	Technical Design
	Second Major/Minor unit

Year 2 - Semester 2

DTB401	Interior Design 4
DTB402	Interior Systems
DTB403	Human Environment
	Second Major/Minor unit

Year 3 - Semester 1

DTB501 Interior Design 5
DTB502 Environments in Transition
DTB503 Furniture Studies
Second Major/Minor unit

Year 3 - Semester 2

DEB601 Collaborative Design
DTB601 Interior Design 6
DTB602 Design in Society
Second Major/Minor unit

Year 4 - Semester 1

DEB701 Design and Research
DTB701 Interior Design 7
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2

DEB801 Professional Practice
DTB801 Interior Design 8
Second Major/Minor unit
Second Major/Minor unit

Potential Careers:

Interior Designer.

Bachelor of Design (Landscape Architecture) (DE40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056386C

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,563 per semester (indicative)

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412342

Past rank cut-off: 77

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA)

Preparatory studies: ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Ms Sheona Thomson

Discipline coordinator: Dr Jeannie Sim

Campus: Gardens Point

Overview

Landscape Architecture is concerned with the ordered design of open spaces at all scales: the appearance, atmosphere, and suitability of environment to assure its health and welfare and that of its inhabitants. Your course covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work.

Career Outcomes

Landscape Architecture is predominantly a young profession with an increasing number of female practitioners. Sixty per cent of the profession is employed in private consultancies of landscape architects, architects, planners, urban designers and engineers. They are engaged primarily in site planning, site design, planting design and, to a lesser degree, landscape planning. Other opportunities for employment occur in the design sectors of government agencies. Some graduates work freelance on a contractual basis.

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Professional Recognition

This course is accredited by the Australian Institute of Landscape Architects.

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

The School of Design - Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
DEB101	Introducing Design
DEB102	Introducing Design History
DLB130	Landscape Design 1

Year 1 - Semester 2

BEB200	Introducing Sustainability
DEB201	Digital Communication
DLB210	Landscape Design 2
DLB230	Landscape Horticulture

Year 2 - Semester 1

DLB310	Landscape Design 3
DLB330	Landscape Ecology
	Second Major/Minor unit
	Second Major/Minor unit

Year 2 - Semester 2

DLB410	Landscape Design 4
DLB430	Landscape Construction 1

Second Major/Minor unit

Second Major/Minor unit

Year 3 - Semester 1

DLB510 Landscape Design 5

DLB525 History and Criticism of Landscape Design

DLB530 Landscape Construction 2

Second Major/Minor unit

Year 3 - Semester 2

DEB601 Collaborative Design

DLB630 Landscape Construction 3

DLB645 Landscape Practice and Law

Second Major/Minor unit

Year 4 - Semester 1

DEB701 Design and Research

DLB710 Landscape Design 6

DLB730 Landscape Design 7

Second Major/Minor unit

Year 4 - Semester 2

DEB801 Professional Practice

DLB810 Landscape Planning and Policy

DLB830 Landscape Design 8

Second Major/Minor unit

Potential Careers:

Landscape Architect.

Master of Design (Urban Design) (DE50)

Year offered: 2009

Admissions: Yes

CRICOS code: 060812M

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$8,000 (indicative) per semester

International Fees (per semester): 2009: \$10,750 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer course specific enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Overview

The Master of Design addresses the issues of professional development in the design fields of built environment and engineering. It aims to enhance and advance your skills and understanding of the design disciplines through explorations in social, historic, economic, legal, and technological processes and systems that act upon our environments and products. This course advances abilities in visual and design literacy, communication, and design processes, through the integration of aspects of sustainability, project management, leadership, and design project applications. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area, or equivalent qualification determined by the Faculty, and a grade point average of 5.0 or more (on a 7-point scale) in that study. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Career Outcomes

Graduates may choose to become specialist urban designers within their chosen professional field, or use the skills and knowledge gained to diversify their capabilities across a broader spectrum of design disciplines. In particular this course provides the skills and knowledge to

become a leader and manager of urban design processes, both in the development and implementation of urban design policy and urban design practice. Graduates may typically work in either private practice as urban designers, or in government organisations as urban policy developers and implementers.

Advanced Standing

Students completing two Masters courses in the Faculty of Built Environment and Engineering will be eligible to apply for a maximum of 24 credit points advanced standing in the second course on the basis of common units already completed. Such students will be required to complete a minimum of 72cp to be determined in consultation with the nominated Course Leader, to achieve the second Masters.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Full-time Course structure - February Entry

Year 1, Semester 1

BEN610	Project Management Principles
DEN510	Urban Design and Theory Studio A
AMN435	Communication, Negotiation and Leadership OR
GSN235	Communication, Negotiation and Leadership
UDN510	Urban Planning Practice OR
UDN572	Infrastructure Planning and Management

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
DEN520	Urban Design and Theory Studio B Choose one of:
UDN512	Community Planning
UDN514	Regional Planning Practice
UDN576	Transportation Infrastructure

Full-time Course structure - Mid Year Entry

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
DEN520	Urban Design and Theory Studio B
AMN435	Communication, Negotiation and Leadership OR
GSN235	Communication, Negotiation and Leadership Choose one of:
UDN512	Community Planning
UDN514	Regional Planning Practice

UDN576 Transportation Infrastructure

OR

GSN235 Communication, Negotiation and Leadership

Year 2, Semester 1

BEN610 Project Management Principles

BEN910 Integrated Project

DEN510 Urban Design and Theory Studio A

UDN510 Urban Planning Practice

OR

UDN572 Infrastructure Planning and Management

Part-time Course structure - February Entry

Year 1, Semester 1

BEN610 Project Management Principles

DEN510 Urban Design and Theory Studio A

Year 1, Semester 2

DEN520 Urban Design and Theory Studio B

Choose one of:

UDN512 Community Planning

UDN514 Regional Planning Practice

UDN576 Transportation Infrastructure

Year 2, Semester 1

AMN435 Communication, Negotiation and Leadership

OR

GSN235 Communication, Negotiation and Leadership

UDN510 Urban Planning Practice

OR

UDN572 Infrastructure Planning and Management

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering

BEN910 Integrated Project

Part-time Course structure - Mid Year Entry

Year 1, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering

Choose one of:

UDN512 Community Planning

UDN514 Regional Planning Practice

UDN576 Transportation Infrastructure

Year 2, Semester 1

BEN610 Project Management Principles

DEN510 Urban Design and Theory Studio A

Year 2, Semester 2

DEN520 Urban Design and Theory Studio B

AMN435 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project

UDN510 Urban Planning Practice

OR

UDN572 Infrastructure Planning and Management

Potential Careers:

Urban Designer.

Bachelor of Engineering (Electrical and Computer Engineering) (EE41)

Year offered: 2009

Admissions: No

CRICOS code: 003490G

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February (July entry available to students with Advanced Standing)

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Bouchra Senadji

Campus: Gardens Point

Additional Admission Information

The EE41 Bachelor of Engineering (Electrical and Computer Engineering) course has been replaced by EN40 Bachelor of Engineering (Electrical) from 2006 onwards. There will be no intake into the EE41 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems. They may specialise as electrical power engineers, electrical design engineers, communications or computer engineers. Graduates find employment with electricity boards, government and semi-government departments, large manufacturing and engineering companies.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. It is professionally

recognised by many international professional institutions including the Professional Engineers Board Singapore.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Mid-year Entry

The EE42 Bachelor of Engineering (Electrical and Computer Engineering) course has been replaced by EN40 Bachelor of Engineering (Electrical) from 2006 onwards. There will be no midyear intake into the EE42 course in 2007 with the exception of QTAC applicants commencing their studies with at least 168 credit points of advanced standing (academic credit).

If offered a place, you may be are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Industry Cooperative Education Program

High achieving domestic students in third year may also be eligible to participate in the Industry Cooperative Education Program, based on a three-way partnership between the student, University and industry, and involving a full-time, one semester, paid and supervised workplace position with the industry partner.

Special Course Requirements

To graduate, students must complete at least 60 days industrial experience in an engineering environment which is approved by the course coordinator.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer.

Bachelor of Engineering (Electrical and Computer Engineering) (EE42)

Year offered: 2009

Admissions: No

Domestic fees (indicative): 2009: \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Bachelor of Engineering (Computer Systems) (EE46)

Year offered: 2009

Admissions: No

CRICOS code: 040309C

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Jasmine Banks

Campus: Gardens Point

Additional Admission Information

The EE46 Bachelor of Engineering (Computer Systems) course has been replaced by EN40 Bachelor of Engineering (Computer Systems) from 2006 onwards. There will be no intake into the EE46 course in 20078 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Graduates will be employed as design engineers, software engineers, hardware engineers, computer system engineers, information systems engineers, research and development engineers and project managers.

Overview

Students will study units from both electrical engineering and computing from a computer-based systems perspective. The course aims to produce students who are employable as design engineers, software and hardware engineers, computer systems engineers, and information systems engineers.

Professional Recognition

The course is provisionally accredited by Engineers Australia (EA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit

points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Optional Pathways

Students entering the Bachelor of Engineering (Electronics)/Bachelor of Information Technology course or the Bachelor of Engineering (Telecommunications) course can change to the Bachelor of Engineering (Computer Systems) at the end of the first year without loss of credit, subject to approval from the course coordinator and meeting minimum course requirements.

Special Course Requirements

Students must complete at least 60 days industrial experience in order to graduate.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Deferment

QUT's deferment policy does not apply to this course.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Systems Programmer.

Bachelor of Engineering (Telecommunications) (EE47)

Year offered: 2009

Admissions: No

CRICOS code: 040308D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Jasmine Banks

Campus: Gardens Point

Additional Admission Information

The EE47 Bachelor of Engineering (Telecommunications) course has been replaced by EN40 Bachelor of Engineering (Telecommunications) from 2006 onwards. There will be no intake into the EE47 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Telecommunications engineers are involved in the design, planning, commissioning and monitoring of complex telecommunications networks and broadcasting equipment. As a result of the rapid increase in telecommunications technology, Australia currently faces a shortage of experience telecommunications engineers. Prospective employers include all the major carrier companies such as Telstra, Optus, Vodaphone, as well as mobile phone manufacturers such as Voxson, Motorola and Nokia. Other prospective employers are electronic equipment manufacturers and private and government bodies involved in Information Technology (IT), Telecommunication design and development.

Overview

Students study a combination of units from the School of Electrical and Electronic Systems Engineering, School of Computer Science and Software Engineering, School of Data Communication and the School of Mathematics. Areas covered include innovative communications technologies including the Internet, wireless mobile communication systems, optical fibre communications, satellite

communication systems ADSL and other fast modem technologies, Bluetooth and HDTV.

Professional Recognition

The course is provisionally accredited by Engineers Australia (EA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Optional Pathway

Students entering the Bachelor of Engineering (Electronics)/Bachelor of Information Technology course or the Bachelor of Engineering (Computer Systems) course may transfer to the Bachelor of Engineering (Telecommunications) at the end of the first year without loss of credit, subject to approval from the course coordinator, and meeting minimum course requirements.

Special Course Requirements

Students must complete at least 60 days of industrial experience in order graduate.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Deferment

QUT's deferment policy does not apply to this course.

Potential Careers:

Computer Systems Engineer, Data Communications Specialist, Electrical and Computer Engineer.

Bachelor of Engineering (Aerospace Avionics) (EE48)

Year offered: 2009

Admissions: No

CRICOS code: 037543G

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412512

Past rank cut-off: 92. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Felipe Gonzalez

Campus: Gardens Point

Additional Admission Information

The EE48 Bachelor of Engineering (Aerospace Avionics) course has been replaced by EN40 Bachelor of Engineering (Aerospace Avionics) from 2006 onwards. There will be no intake into the EE48 course in 2008 with the exception of QTAC applicants commencing their studies with at least 264 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

OP Guarantee

The OP Guarantee does not apply to this course.

Career Outcomes

Aerospace Engineers are involved in the design, development, manufacture and maintenance work on aeroplanes, helicopters, spacecraft and satellites. Graduates are employed by the RAAF, RAN and by government bodies such as the Defence Research Centres and the Civil Aviation Authority. There are also career opportunities with aerospace companies, aircraft maintenance and aeronautical consulting services. Opportunities outside aerospace also exist in the areas of electronics, process control, instrument manufacture and automotive equipment.

Overview

Students study aerodynamics, aircraft control systems, avionics navigation and communication. In later years of the

degree, specialist study is undertaken in design of aircraft and satellite systems including systems engineering methodology, aircraft and satellite technology and applications. As many of the teaching staff are involved in relevant research with government and industry sectors, students have the opportunity to work on real projects during their studies.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. It is also professionally recognised by many international professional institutions.

Minors

Subject to the approval of the course coordinator, students in this course may gain a minor in Systems Engineering by choosing the same group project through the Aerospace Design units and the final year project providing they comply with Systems Engineering principles.

Optional Pathway

Subject to normal course entry rules students may transfer internally from the QUT Bachelor of Engineering (Electrical and Computer Engineering) course to this degree after the completion of the first year full-time if they have obtained a sufficiently high grade point average that will meet the course cut-off for that year.

Articulation to Masters

Subject to University approval, students achieving a certain minimum performance criteria at the end of year 3 of the Bachelor of Engineering course, may be eligible to study two Master of Engineering Science level units as electives.

After successfully completing the Bachelor of Engineering course, students eligible to enrol in the Master of Engineering Science courses can then have these two units credited towards the Masters Program.

Special Course Requirements

In order to graduate students in this course must complete 60 days industrial experience before graduating. An additional 10 days specialist industrial experience must be obtained in the aerospace avionics industry.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are not available in this course. Tuition fees are only applicable to currently enrolled students who were unable to comply regulations regarding their original Commonwealth Supported place (i.e. failure to lodge an eCAF, has consumed of other their Student Learning Entitlement etc.) and who have been invited and accepted to continue as a

fee-paying student.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Aerospace Avionics Engineer.

Graduate Diploma in Computer and Communications Engineering (EE67)

Year offered: 2009

Admissions: No

CRICOS code: 015184G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007..

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Michael Mason (Course Leader)

Campus: Gardens Point

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Software Engineer.

Entry Requirements

Applicants for the Graduate Diploma must hold a bachelor degree in Electrical Engineering, Information Technology or equivalent; or have successfully completed the Graduate Certificate in Computer and Communications Engineering.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and several related areas. You can specialise in either computer or communications engineering or take subjects in both. Computer Engineering covers important contemporary topics such as software development, hardware development computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. Communications Engineering covers advanced digital communication, signal processing techniques, hardware and software components in communications systems and various applications areas.

Course Structure

Graduate Diploma students select a total of eight units from Semester 1 and Semester 2 lists.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Master of Engineering Science (Computer and Communications Engineering) (EE74)

Year offered: 2009

Admissions: No

CRICOS code: 040343A

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Michael Mason (Course Leader)

Campus: Gardens Point

Entry Requirements

Applicants for the Masters program must hold a bachelor degree in Electrical Engineering, Information Technology or Science with at least second class honours or equivalent; or have partially completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better over the first 4 units; or successfully completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better; or successfully completed the Graduate Certificate in Computer and Communications Engineering (EE61) with a grade point average of 5 or better.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and several related areas. You can specialise in either computer or communications engineering or take subjects in both. Computer Engineering covers important contemporary topics such as software development, hardware development computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. Communications Engineering covers advanced digital communication, signal processing techniques, hardware and software components in communications systems and various applications areas.

Masters Qualifying Program

Applicants who do not meet the entry requirements outlined above, will be required to enrol in the first semester of the Graduate Diploma in Computer and Communications Engineering (EE67). If in this first semester a sufficiently high standard is attained, then candidates will be invited to change enrolment to the Masters program. Otherwise they will continue their studies in the Graduate Diploma in Computer and Communications Engineering towards that award.

Masters Upgrade Program

Those who have completed the Graduate Diploma in Computer and Communications Engineering (EE67) may upgrade by undertaking further study in the Master of Engineering Science (Computer & Communications Engineering) and be given credit for the units which they have completed at Graduate Diploma level. The structure of the course dictates that this upgrade program be undertaken on a part-time basis.

Students undertaking the Masters Upgrade Program will enrol in the following units:

EEP301/1 Project

EEP301/2 Project.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer.

Master of Engineering Science (Electrical Engineering Studies) (EE77)

Year offered: 2009

Admissions: No

CRICOS code: 042260K

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$7,000 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Michael Mason (Course Leader)

Campus: Gardens Point

Entry Requirements

Applicants for the Masters program must hold a bachelor degree in Electrical Engineering, Information Technology or Science with at least second class honours or equivalent; or have partially completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better over the first 4 units; or successfully completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better; or successfully completed the Graduate Certificate in Computer and Communications Engineering (EE61) with a grade point average of 5 or better.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and other areas of electrical and associate engineering disciplines. You can broaden your knowledge in project management type units for mechanical and civil engineering courses or specialise in either computer or communications engineering or take subjects in both. The Computer Engineering stream covers important contemporary topics such as software development, computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. The Communications Engineering stream covers advanced digital communications systems, and various applications.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer.

Bachelor of Engineering (Aerospace Avionics) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 90

Past OP cut-off: 6

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.edu.au

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Felipe Gonzalez

Campus: Gardens Point

Additional Admission Information

Applicants who are offered place and eligible to receive 264 credit points (or more) of advanced standing will be admitted to the EE48 Bachelor of Engineering (Aerospace Avionics).

Recommended Study

Chemistry, Math C and Physics.

OP Guarantee

The OP Guarantee does not apply to this course.

Career Outcomes

Aerospace Engineers are involved in the design, development, manufacture and maintenance work on aeroplanes, helicopters, spacecraft and satellites. Graduates are employed by the RAAF, RAN and by government bodies such as the Defence Research Centres and the Civil Aviation Authority. There are also career opportunities with aerospace companies, aircraft maintenance and aeronautical consulting services. Opportunities outside aerospace also exist in the areas of electronics, process control, instrument manufacture and automotive equipment.

Overview

Students study aerodynamics, aircraft control systems, avionics navigation and communication. In later years of the degree, specialist study is undertaken in design of aircraft and satellite systems including systems engineering methodology, aircraft and satellite technology and applications. As many of the teaching staff are involved in relevant research with government and industry sectors,

students have the opportunity to work on real projects during their studies.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Optional Pathway

Subject to normal course entry rules students may transfer internally from the QUT Bachelor of Engineering (Electrical) course to this degree after the completion of the first year full-time if they have obtained a sufficiently high grade point average that will meet the course cut-off for that year.

Special Course Requirements

Students must complete 60 days approved industrial experience in an engineering environment as approved by the course coordinator, including 10 days specialist experience in the avionics industry. Students will complete their industrial experience component within a unit of Work Integrated Learning.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Engineering Systems - Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are not available in this course. Tuition fees are only applicable to currently enrolled students who were unable to comply regulations regarding their original Commonwealth Supported place (i.e. failure to lodge an eCAF, has consumed of other their Student Learning Entitlement etc.) and who have been invited and accepted to continue as a fee-paying student.

Course structure

Year 2 - Semester 1

ENB240 Introduction To Electronics

ENB242 Introduction To Telecommunications

ENB246 Engineering Problem Solving

MAB233 Engineering Mathematics 3

Year 2 - Semester 2

BEB200 Introducing Sustainability

ENB241 Software Systems Design

ENB243 Linear Circuits and Systems

ENB244 Microprocessors and Digital Systems

Year 3 - Semester 1

ENB342 Signals, Systems and Transforms

ENB343 Fields, Transmission and Propagation

ENB348 Aircraft Systems and Flight Control

ENB354 Introduction To Systems Design

Year 3 - Semester 2

ENB346 Digital Communications

ENB347 Modern Flight Control Systems

ENB355 Advanced Systems Design

ENB356 Military Combat Electronics

Year 4 - Semester 1

BEB801 Project 1

ENB440 RF and Applied Electromagnetics

ENB443 Space Technology

ENB451 Aerospace Radio and Radar Systems

Year 4 - Semester 2

BEB701 Work Integrated Learning 1

BEB802 Project 2

ENB444 Spacecraft Guidance and Navigation

ENB447 Navigation Systems For Aircraft

Potential Careers:

Aerospace Avionics Engineer, Electrical and Computer Engineer, Electrical Engineer, Engineer.

Bachelor of Engineering (Civil and Construction) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Fraser McGregor

Campus: Gardens Point

Recommended study

Chemistry, Maths C and Physics.

Career Outcomes

Construction engineering is suited to people attracted to the intellectual rigour of engineering, but with a bias towards the challenge of converting design into physical reality. While the course retains sufficient traditional civil engineering to enable graduates to work in consultant's offices, most would be employed by civil construction companies and Government Departments. Commercial and legal studies equip graduates to progress through the management structures of these organisations or to establish companies of their own. The range of work undertaken by civil construction companies ranges from residential land development through earthworks, tunnels, roads and dams to airports, marine facilities, major bridges and complex buildings. The world wide trend towards design and construction being undertaken within one organisation, acts to advantage engineers competent in both.

Overview

This course combines civil engineering with construction management, you will study civil engineering subjects combined with the requirements for managing the construction of large projects.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil and Construction) must complete at least 60 days of industrial experience/ practice in an engineering construction environment as approved by the course coordinator.

Minors

You will have the opportunity to undertake two minors (a minor is four units or 48 credit points) in the same discipline. For professional recognition you will undertake an Applications Minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised civil engineering units. The second minor may be taken from an approved list outside your discipline.

International Student Entry

International students who are interested in mid-year entry should consult the Faculty of Built Environment and Engineering Student Services section regarding the course structure to be undertaken.

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure - standard program

Year 2 - Semester 1

ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3
UDB312	Contract Administration

Year 2 - Semester 2

ENB103	Electrical Engineering
ENB275	Project Engineering 1
ENB276	Structural Engineering 1
UDB214	Professional Studies 2

Year 3 - Semester 1

ENB277	Construction Engineering Law
ENB375	Structural Engineering 2
ENB381	Civil Engineering Construction
UDB313	Programming and Scheduling

Year 3 - Semester 2

ENB371	Geotechnical Engineering 2
ENB373	Design and Construction of Steel Structures
ENB382	Estimating in Engineering Construction Second Major/Minor unit

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations Second Major/Minor unit

Year 4 - Semester 2

Applications Minor Selective
Applications Minor Selective
Second Major/Minor unit
Second Major/Minor unit

Applications Minor Selectives

Semester 2:

BEB802	Project 2
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Course Structure - Civil Infrastructure 2nd major

Civil Construction major students who elect to do this 2nd major, will follow the first 2 ½ years of the standard program and then continue with the following program:

Year 3, Semester 2

ENB201	Fluid Mechanics
ENB371	Geotechnical Engineering 2
ENB373	Design and Construction of Steel Structures
ENB382	Estimating in Engineering Construction

Year 4, Semester 1

BEB701	Work Integrated Learning 1
ENB372	Design and Planning of Highways
ENB378	Water Engineering
ENB471	Design of Concrete Structures and Foundations

Year 4, Semester 2

BEB801	Project 1
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ENB376	Transport Engineering 2nd Major Selective 2nd Major Selective
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2nd Major Selectives

Semester 1:

DAB110	Architectural Design 1
ENB473	Design and Construction of Multi-storey Buildings
ENB475	Structural Engineering 3
ENB485	Advanced Geotechnical Engineering Practice

Semester 2:

BEB802	Project 2
DAB210	Architectural Design 2
ENB377	Water and Waste Water Treatment Engineering
ENB474	Finite Element Methods
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Potential Careers:

Civil Engineer, Construction Manager, Engineer, Project Manager.

Bachelor of Engineering (Civil and Environmental) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Fraser McGregor

Campus: Gardens Point

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the CE46 Bachelor of Engineering (Civil and Environmental).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Environmental management is concerned mainly with the assessment and management of the effect of human and other activity on the environment. Graduates apply their skills to find solutions for the management of liquid and solid waste, or air and noise pollution. Graduates can be employed by government bodies and private companies involved with the environmental aspects of planning, designing, constructing and monitoring of structures and facilities including mines, factories, power stations, water and waste water treatment plants and refineries. As legislation becomes more stringent and the community's expectations increase, there will be need for institutions to employ more environmental engineers.

Overview

This course will provide you with the technical education in civil, environmental engineering and science as well as environmental management skills and mining and sustainable development.

Minors

You will have the opportunity to undertake two minors; a minor is four units (48 credit points) in the same discipline. For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised civil engineering units. The second minor may be taken from an approved list outside your discipline.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil and Environmental) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

PRE-2009 Course structure

Year 2 - Semester 1

ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB201	Fluid Mechanics
ENB274	Design of Environmentally Sustainable Systems
ENB275	Project Engineering 1
ENB276	Structural Engineering 1

Year 3 - Semester 1

ENB372 Design and Planning of Highways
ENB378 Water Engineering
ENB380 Environmental Law and Assessment
Second Major/Minor Unit

Year 3 - Semester 2

ENB371 Geotechnical Engineering 2
ENB376 Transport Engineering
ENB383 Environmental Resource Management
UDB164 Population and Urban Studies

Year 4 - Semester 1

BEB701 Work Integrated Learning 1
BEB801 Project 1
Applications Minor Selective
Second Major/Minor Unit

Year 4 - Semester 2

ENB377 Water and Waste Water Treatment
Engineering
Applications Minor Selective
Second Major/Minor Unit
Second Major/Minor Unit

Applications Minor Selectives

Semester 1:

ENB379 Transport Engineering and Planning
Applications
ENB478 Advanced Water Engineering
ENB485 Advanced Geotechnical Engineering Practice

Semester 2:

BEB802 Project 2
ENB474 Finite Element Methods
ENB476 Civil Engineering Design Project

Potential Careers:

Civil Engineer, Engineer, Environmental Engineer.

Bachelor of Engineering (Civil) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Fraser McGregor

Campus: Gardens Point

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the CE44 Bachelor of Engineering (Civil).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Civil engineers plan, design, construct, operate and maintain roads, bridges, dams, water supply schemes, sewerage systems, transportation, harbours, canals, dockyard facilities, airports, railways, factories and large buildings. Civil engineers may gain employment with Local, State and Commonwealth Governments, semi-government agencies, construction firms, power generating authorities, mining firms, property developers and consulting engineering firms. A small number are employed in research activities and teaching. After obtaining suitable experience there is also the opportunity to establish their own consulting engineering practice.

Overview

This course allows you to develop your knowledge in a number of areas such as: Structural Analysis and Design, Computer Applications, Transport Engineering, Environmental Engineering, Geotechnical Mechanics, Water Engineering, Construction Management, Waste Management. Environmental major; Sustainable development, waste management, toxic site rehabilitation, water & wastewater.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Minors

You will have the opportunity to undertake two minors; a minor is four units (48 credit points) in the same discipline. For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised civil engineering units. The second minor may be taken from an approved list outside your discipline.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure - standard program

Year 2 - Semester 1

ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB201	Fluid Mechanics
ENB274	Design of Environmentally Sustainable Systems
ENB275	Project Engineering 1
ENB276	Structural Engineering 1

Year 3 - Semester 1

ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2
ENB378	Water Engineering
	Second Major/Minor unit

Year 3 - Semester 2

ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering
	Second Major/Minor unit

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
	Applications Minor Selective

Year 4 - Semester 2

ENB472	Project Engineering 2
	Applications Minor Selective
	Second Major/Minor unit
	Second Major/Minor unit

Applications Minor Selectives

Semester 1:

ENB379	Transport Engineering and Planning Applications
ENB380	Environmental Law and Assessment
ENB384	Design of Masonry Structures
ENB473	Design and Construction of Multi-storey Buildings
ENB475	Structural Engineering 3
ENB478	Advanced Water Engineering
ENB485	Advanced Geotechnical Engineering Practice

Semester 2:

BEB802	Project 2
ENB373	Design and Construction of Steel Structures
ENB383	Environmental Resource Management
ENB474	Finite Element Methods
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Course structure - mid year entry

Year 2 - Semester 1

BEB100	Introducing Professional Learning
ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

Program is the same as February entry hereafter.

Course Structure - Structural Engineering 2nd major

Civil major students who elect to do this 2nd major, will follow the first 2 years of the standard program and then continue with the following program:

Year 3, Semester 1

ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2
ENB378	Water Engineering
ENB384	Design of Masonry Structures

Year 3, Semester 2

ENB371	Geotechnical Engineering 2
ENB373	Design and Construction of Steel Structures
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering

Year 4, Semester 1

BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
ENB475	Structural Engineering 3
	Second Major Selective

Year 4, Semester 2

BEB701	Work Integrated Learning 1
ENB472	Project Engineering 2
ENB474	Finite Element Methods
	Second Major Selective

Second Major Selectives

Semester 1:

DAB110	Architectural Design 1
ENB473	Design and Construction of Multi-storey Buildings
ENB485	Advanced Geotechnical Engineering Practice

Semester 2:

BEB802	Project 2
DAB210	Architectural Design 2
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Course Structure - Transport Engineering and Planning 2nd major

Civil major students who elect to do this 2nd major, will follow the first 2 years of the

standard program and then continue with the following program:

Year 3, Semester 1

ENB372 Design and Planning of Highways
ENB375 Structural Engineering 2
ENB378 Water Engineering
UDB266 Planning Processes and Consultations

Year 3, Semester 2

ENB371 Geotechnical Engineering 2
ENB376 Transport Engineering
ENB377 Water and Waste Water Treatment Engineering
UDB104 Urban Development Economics

Year 4, Semester 1

BEB701 Work Integrated Learning 1
BEB801 Project 1
ENB379 Transport Engineering and Planning Applications
ENB471 Design of Concrete Structures and Foundations

Year 4, Semester 2

ENB472 Project Engineering 2
UDB267 Development Assessment and Infrastructure
UDB370 Environmental Planning and Management
Second Major Selective

Second Major Selectives

Semester 2:

BEB802 Project 2
ENB476 Civil Engineering Design Project

Potential Careers:

Civil Engineer, Engineer, Environmental Engineer.

Bachelor of Engineering (Computer Systems) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Jasmine Banks

Campus: Gardens Point

Additional Admission Information

Applicants who are offered place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the EE46 Bachelor of Engineering (Computer Systems).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Graduates will be employed as design engineers, software engineers, hardware engineers, computer system engineers, information systems engineers, research and development engineers and project managers.

Overview

Students will study units from both electrical engineering and computing from a computer-based systems perspective. The course aims to produce students who are employable as design engineers, software and hardware engineers, computer systems engineers, and information systems engineers.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Optional Pathways

Students entering the Bachelor of Engineering (Electronics)/Bachelor of Information Technology course or the Bachelor of Engineering (Telecommunications) course

can change to the Bachelor of Engineering (Computer Systems) at the end of the first year without loss of credit, subject to approval from the course coordinator and meeting minimum course requirements.

Special Course Requirements

Students must complete at least 60 days industrial experience in order to graduate.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Engineering Systems - Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

PRE-2009 Course structure

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
INB371	Data Structures and Algorithms
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice
INB251	Networks

Year 3 - Semester 1

ENB301	Instrumentation and Control
ENB342	Signals, Systems and Transforms
ENB350	Real-time Computer-based Systems IT Elective 1

Year 3 - Semester 2

ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications
ENB352	Communication Environments For Embedded

Systems

INB365 Systems Programming

Year 4 - Semester 1

BEB701 Work Integrated Learning 1

BEB801 Project 1

ENB441 Applied Image Processing

IT Elective 2

Year 4 - Semester 2

BEB802 Project 2

ENB448 Signal Processing and Filtering

ENB458 Modern Control Systems

IT Elective 3

IT Electives

IT Elective 1

Any level 2 IT unit (INB200 level) approved by the Subject Area Coordinator.

IT Elective 2

INB350 Internet Protocols and Services

INB353 Wireless and Mobile Networks

INB370 Software Development

INB381 Modelling and Animation Techniques

IT Elective 3

INB351 Computer Network Administration

INB352 Network Planning and Deployment

INB355 Cryptology and Protocols

INB372 Software Engineering Principles

INB382 Real Time Rendering Techniques

Please note: Appropriate prerequisite for IT Elective 3 must be completed as IT Elective 2.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Engineer, Systems Programmer.

Bachelor of Engineering (Infomechatronics) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the ME40 Bachelor of Engineering (Infomechatronics).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

This leading edge degree provides graduates with the combined skills of mechanical engineering, electrical and electronic engineering and information technology to work in the high tech fields of automated systems and robotics for the design, development, construction and service of modern equipment and plant. Graduates from this degree may expect to find employment as consultants, project managers, designers, and maintenance and instrumentation engineers in a wide variety of work situations. The range of employment opportunities is diverse and extensive. Some typical examples of organisations may include: manufacturing plants of consumer products, computer peripherals manufacturers/maintenance companies, automobile manufacturing industries, large scale manufacturing/maintenance industries such as Boeing, instrumentation industries, communication companies, research organisations, food and food processing industries and software development companies.

Overview

This course bridges the three, traditionally separate, disciplines of Mechanical Engineering, Electrical and

Electronic Engineering, and Computing and provides the combined skills required for the design, development, construction and service of modern systems and equipment. Advanced units emphasise the integration of knowledge and skills that impact on all aspects of the design, construction and service of modern computer controlled machines. In the final year a one-semester industry project will integrate and reinforce what has been learned through application in a real world setting.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Minors

For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised engineering units.

Special Course Requirements

Students must obtain at least 60 days of industrial work experience in an engineering environment approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Engineering Systems - Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

PRE-2009 Course structure

Year 2 - Semester 1

ENB211	Dynamics
ENB231	Materials and Manufacturing 1
ENB240	Introduction To Electronics
INB371	Data Structures and Algorithms

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB102	Engineering Mechanics 2

ENB215 Fundamentals of Mechanical Design
ENB222 Thermodynamics 1

Year 3 - Semester 1

ENB331 Materials and Manufacturing 2
ENB333 Operations Management
ENB340 Power Systems and Machines
MAB233 Engineering Mathematics 3

Year 3 - Semester 2

ENB201 Fluid Mechanics
ENB243 Linear Circuits and Systems
ENB244 Microprocessors and Digital Systems
ENB334 Design For Manufacturing

Year 4 - Semester 1

ENB301 Instrumentation and Control
ENB436 Mechatronics System Design
INB860 Computational Intelligence for Control and
Embedded Systems
Applications Minor Selective

Year 4 - Semester 2

BEB701 Work Integrated Learning 1
BEB801 Project 1
BEB802 Project 2
INB365 Systems Programming

Applications Minor Selectives

ENB245 Introduction To Design and Professional
Practice
ENB350 Real-time Computer-based Systems
ENB352 Communication Environments For Embedded
Systems
ENB457 Controls, Systems and Applications
OR students may choose any advanced-level
IT unit with Subject Area Coordinator/Course
Coordinator approval.

Potential Careers:

Engineer, Manufacturer, Mechanical Engineer.

Bachelor of Engineering (Mechanical) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Additional Admission Information

Applicants who are offered place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the ME41 Bachelor of Engineering (Mechanical).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

The Bachelor of Engineering (Mechanical) provides a sound education in the basic engineering sciences, synthesis and design, engineering management functions, and the social, economic and ethical aspects of engineering practice. Graduates from this degree may find employment in a variety of roles: consultant, project manager or technical adviser where they maybe involved in the operation of large, integrated energy-based plants such as mining, power stations, sugar factories, oil refineries etc. Others may work under the guidance of more experienced staff selecting equipment, installing and commissioning plants. Some graduates will go into design offices or manufacturing plants where they will be concerned principally with the logistics of production and the efficient management of people and systems.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Minors

You will have the opportunity to undertake two minors; a minor is four units (48 credit points). For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and 2 specialised engineering units. The second minor may be taken from an approved list outside your discipline.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Mechanical) must complete at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

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Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure - standard program

Year 2 - Semester 1

ENB105	Electrical and Computer Engineering
ENB211	Dynamics
ENB231	Materials and Manufacturing 1
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB201	Fluid Mechanics
ENB215	Fundamentals of Mechanical Design
ENB222	Thermodynamics 1

Please note:

Students wishing to undertake CEED based

Industry Project should consult the Subject Area Coordinator to provide a program for the final 2 years. CEED program requires that you undertake units BEB701, BEB801 and BEB802 together in either Semester 1 or 2.

Year 3 - Semester 1

ENB301	Instrumentation and Control
ENB311	Stress Analysis
ENB316	Design of Machine Elements
ENB331	Materials and Manufacturing 2

Year 3 - Semester 2

ENB312	Dynamics of Machinery
ENB317	Design and Maintenance of Machinery
ENB321	Fluids Dynamics
	Second Major/Minor unit

Year 4 - Semester 1

BEB801	Project 1
ENB421	Thermodynamics 2
	Applications Minor Selective
	Second Major/Minor unit

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
	Second Major/Minor unit
	Second Major/Minor unit

Applications Minor Selectives

BSB115	Management
ENB333	Operations Management
ENB336	Industrial Engineering
ENB422	Energy Management
ENB432	Engineering Asset Management and Maintenance
ENB435	Computer Integrated Manufacturing

Course structure - mid year entry

Year 2 - Semester 1

BEB100	Introducing Professional Learning
ENB105	Electrical and Computer Engineering
ENB211	Dynamics
ENB231	Materials and Manufacturing 1
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

Program is the same as February entry hereafter.

Course structure - Engineering Management 2nd major

Mechanical major students who elect to do this 2nd major, will follow the first 2 ½ years of the standard program and then continue with the following program:

Engineering Management major students are expected to do an industry-based project such as CEED combining Project 1, Project 2, and Work Integrated Learning 1 units. These units are to be done concurrently.

Year 3, Semester 2

ENB312	Dynamics of Machinery
ENB317	Design and Maintenance of Machinery
ENB321	Fluids Dynamics
ENB336	Industrial Engineering

Year 4, Semester 1

ENB333	Operations Management
ENB421	Thermodynamics 2
ENB432	Engineering Asset Management and Maintenance
	Second Major Selective

Year 4, Semester 2

BEB701	Work Integrated Learning 1
BEB801	Project 1
BEB802	Project 2
	Second Major Selective

Second Major Selectives

Semester 1:

BSB126	Marketing
ENB435	Computer Integrated Manufacturing

Semester 2:

BSB115	Management
ENB422	Energy Management

Students may choose any other unit related to management approved by the Subject Area Coordinator.

Course structure - Automotive Engineering 2nd major

Mechanical major students who elect to do this 2nd major, will follow the first 2 ½ years of the standard program and then continue with the following program:

Year 3, Semester 2

ENB312	Dynamics of Machinery
ENB317	Design and Maintenance of Machinery
ENB321	Fluids Dynamics
ENB334	Design For Manufacturing

Year 4, Semester 1

ENB315	Motor Racing Vehicle Design
ENB333	Operations Management

ENB421 Thermodynamics 2
ENB432 Engineering Asset Management and
Maintenance

Year 4, Semester 2

BEB701 Work Integrated Learning 1
BEB801 Project 1
BEB802 Project 2
DNB202 Product Usability

Potential Careers:

Engineer, Mechanical Engineer.

Bachelor of Engineering (Medical) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Graduates from this degree may expect to find employment in hospitals as advisors to health and medical professionals, in firms concerned with the design, manufacture, supply and maintenance of medical, health and sporting equipment, occupational health agencies and in research institutions. In the early stages of their careers biomedical engineers might expect to be involved in the innovative use of technology, in the design of new devices and the assessment of appropriate engineering solutions to medical problems. More experienced biomedical engineers manage Biomedical Engineering Departments in hospitals and manufacturing companies and lead teams of engineers and technologists in the development of engineering solutions to improve health care.

Overview

This degree integrates physical, chemical, mathematical, and computational sciences and engineering principles to study human biology, medicine, human behaviour and health. It will provide you with the skills to design, manufacture, install, monitor and maintain medical and surgical equipment and to provide advice on engineering matters to medical and allied staff. Current issues such as total quality management and health legislation are also covered. In the final year, students undertake a design project in the biomedical field.

Special Course Requirements

Students must obtain at least 60 days of industrial employment in an engineering environment approved by the course coordinator. Half of this experience must be in an industry related to Biomedical Engineering.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Minors

For professional recognition you will undertake an applications minor which consists of a workplace intergrated learning unit, a project unit and two specialised engineering units.

Further Information

School of Engineering Systems - Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

PRE-2009 Course structure

Year 2 - Semester 1

ENB211	Dynamics
BEB100	Introducing Professional Learning
ENB231	Materials and Manufacturing 1
LSB451	Human Physiology

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB201	Fluid Mechanics
ENB215	Fundamentals of Mechanical Design
ENB222	Thermodynamics 1

Year 3 - Semester 1

ENB105	Electrical and Computer Engineering
ENB311	Stress Analysis
ENB319	Biomechanical Engineering Design

MAB233 Engineering Mathematics 3

Year 3 - Semester 2

ENB318 Biomechanical Engineering Systems
ENB322 Biofluids
ENB338 Biomaterials
ENB437 Health Legislation in the Medical Environment

Year 4 - Semester 1

BEB801 Project 1
ENB301 Instrumentation and Control
ENB432 Engineering Asset Management and
Maintenance
Applications Minor Selective

Year 4 - Semester 2

BEB701 Work Integrated Learning 1
BEB802 Project 2
ENB335 Modelling and Simulation For Medical
Engineers
PCB605 Biomedical Instrumentation

Applications Minor Selectives

BSB115 Management
HMB384 Injury Prevention and Rehabilitation
MAB220 Computational Mathematics 1
MAB422 Mathematical Modelling
PCB593 Digital Image Processing
PCN112 Medical Imaging Science
PCN211 Physics of Medical Imaging
PUB112 Workplace Health and Safety
PYB012 Psychology
SCB384 Forensic Sciences - From Crime Scene to
Court

Potential Careers:

Biomechanical Engineer, Biomedical Engineer, Engineer,
Mechanical Engineer.

Bachelor of Engineering (Telecommunications) (EN40)

Year offered: 2009

Admissions: No

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Jasmine Banks

Campus: Gardens Point

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the EE47 Bachelor of Engineering (Telecommunications).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Telecommunications engineers are involved in the design, planning, commissioning and monitoring of complex telecommunications networks and broadcasting equipment. As a result of the rapid increase in telecommunications technology, Australia currently faces a shortage of experienced telecommunications engineers. Prospective employers include all the major carrier companies such as Telstra, Optus, Vodaphone, as well as mobile phone manufacturers such as Voxson, Motorola and Nokia. Other prospective employers are electronic equipment manufacturers and private and government bodies involved in Information Technology (IT), Telecommunication design and development.

Overview

You will study a combination of units from Electrical Engineering, Computer Science, Software Engineering, Data Communications and Mathematics. Areas covered include innovative communications technologies including the Internet, wireless mobile communication systems, optical fibre communications, satellite communication systems ADSL and other fast modem technologies,

Bluetooth and HDTV.

Professional Recognition

Full professional accreditation from Engineers Australia has been given for this course.

Optional Pathways

If you enter the Bachelor of Engineering (Electrical)/Bachelor of Information Technology course or the Bachelor of Engineering (Computer Systems) course, subject to the approval of the course coordinator, and if you meet the minimum course requirements you can apply to change to the Bachelor of Engineering (Telecommunications) at the end of the first year without loss of credit.

Special Course Requirements

To graduate you must complete at least 60 days of approved industrial experience in an engineering environment.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

PRE-2009 Course structure

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
INB371	Data Structures and Algorithms
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice
INB251	Networks

Year 3 - Semester 1

ENB301	Instrumentation and Control
ENB342	Signals, Systems and Transforms
ENB343	Fields, Transmission and Propagation
INB350	Internet Protocols and Services

Year 3 - Semester 2

BEB701	Work Integrated Learning 1
ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications IT Elective

Year 4 - Semester 1

BEB801	Project 1
ENB440	RF and Applied Electromagnetics
INB353	Wireless and Mobile Networks
INB355	Cryptology and Protocols

Year 4 - Semester 2

BEB802	Project 2
ENB445	RF Communication Technologies
ENB446	Wireless Communications
ENB448	Signal Processing and Filtering

IT Elective

Students are allowed to choose an IT unit at the appropriate level approved by the Subject Area Coordinator.

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer, Engineer.

Bachelor of Engineering - Dean's Scholars Program (EN40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056529D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,577 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412052

Past rank cut-off: 99 plus successful questionnaire. Please refer to Additional Entry Requirements.

Past OP cut-off: 1 plus successful questionnaire. Please refer to Additional Entry Requirements.

Assumed knowledge: English (4, VHA) and Maths B (4, VHA)

Total credit points: 384

Course coordinator: Dr R.Mahalinga-Iyer

Campus: Gardens Point

Entry requirements

Applicants must be outstanding current, or returning from a gap year, Year 12 students.

Additional Entry Requirements

Engineering Dean's Scholars applicants are required to complete a questionnaire which will be available via the **Engineering Dean's Scholars website**.

Shortlisted applicants may be required to attend an interview and will be notified of date and venue after the questionnaire closes.

Fixed Closing Date

Applications for this program will close on **28 November 2008**.

Recommended Study

Chemistry, Maths C and Physics.

Course Structure

The Dean's Scholars Program offers students the opportunity to complete one of the Bachelor of Engineering programs and a Master of Engineering whilst providing a number of opportunities, which include;

- Introduction to the Engineering environment and high-level engineering management through company site visits;
- Boardroom visits to sponsoring companies to introduce you to prospective employers and engineering managers;
- Leadership Dinner sponsored by one of the companies associated with the program;
- Participation in a number of events relating to industry and association;
- Involvement in programs within the community;

- Access to senior academics who will assist you throughout your course.

Students can choose to complete one out of ten Bachelor of Engineering programs. This does not include the Bachelor of Engineering (Software Engineering).

Domestic Student Fees

Students who enrol will receive a full scholarship that includes payment of all undergraduate Higher Education Contribution Scheme (HECS) monies for the bachelor program. Students who attain a grade point average of 5.5 or above in their QUT studies and wish to continue to the Masters of Engineering accelerated program will receive further scholarship benefits, being the full payment of the course fees for the masters program.

Industry Sponsors

ESSO and Mobil
Visy Paper
EGR Group
Brisbane City Council
Bovis Lend Lease
CIEAM
Thiess

Special Course Requirements

Students enrolled in the Dean's Scholars program must maintain a GPA of 5.5 throughout their course. For a copy of the program rules and regulations please contact the **F a c u l t y O f f i c e** or www.bee.qut.edu.au/study/scholarships/commencing/deans.jsp

Students must complete at least 60 days of industrial experience in order to graduate.

International Student Fees

International students eligible for a Queensland OP, who are successful in gaining entry and enrol will receive a scholarship, which will partially cover their tuition fees. The Faculty will pay one third of the tuition fee and the student will be responsible for two thirds of the tuition fee and the Student Guild fees. Students who complete their degree with a course GPA of 5.5 or above and accept an offer to continue to the Master of Engineering accelerated program will receive further scholarship benefits: payment of the one third of the tuition fees for the masters program.

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

The Faculty of Built Environment and Engineering Phone + 61 7 3138 4039, Fax + 61 7 3138 5280, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are not available in this course. Tuition fees are only applicable to currently enrolled students who were unable to comply regulations regarding their original Commonwealth Supported place (i.e. failure to lodge an eCAF, has consumed of other their Student Learning Entitlement etc.) and who have been invited and accepted to continue as a fee-paying student.

Aerospace Avionics - Dean's Scholars Course structure

Programme for students who commence 2008 onwards.

See EN40 Bachelor of Engineering (Aerospace Avionics) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Civil - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Civil) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Deanâs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Civil and Environmental Management - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Civil & Environmental Management) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Deanâs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Computer Systems - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Computer Systems) course structure.

If as a Dean's Scholar, you wish to accelerate

your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Deanâs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Electrical and Computer Engineering - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Electrical) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Deanâs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Infomechatronics - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Infomechatronics) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Deanâs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Mechanical - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Mechanical) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Deanâs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Medical - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Medical) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Dean's Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Telecommunications Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Telecommunications) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing Dean's Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

Potential Careers:

Bioengineer, Biomechanical Engineer, Biomedical Engineer, Civil Engineer, Computer Systems Engineer, Data Communications Specialist, Electrical and Computer Engineer, Electrical Engineer, Engineer, Environmental Engineer, Manager, Mechanical Engineer, Medical Biotechnologist, Medical Engineer, Rehabilitation Engineer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

Master of Engineering (Systems) (EN50)

Year offered: 2009

Admissions: Yes

CRICOS code: 060811A

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$8,000 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer course specific enquiries to Course Leader.)

Discipline coordinator: Dr Michael Mason (Course Leader)

Campus: Gardens Point

Overview

This course provides a developmental path for professional engineers to master skills in selected engineering disciplines and the interaction of those disciplines. It aims to enhance your skills in dealing with more complex engineering problems and interactions between engineering technical domains and the broader context in which they exist. Systems engineering is concerned with the design, operation and maintenance of electrical and mechanical systems that are employed in medical, aerospace, industrial settings, and in communications technology. This course advances your capabilities in information literacy, problem solving, application of theory, engineering design, communication, and interaction with other professionals. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant engineering discipline area and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates may choose to become a specialist systems engineering practitioner within their chosen professional field, or use the skills and knowledge gained to diversify their capabilities across a broader spectrum of systems-related disciplines. In particular, this course provides graduates with the skills and knowledge to become a leader, manager and innovator in the chosen discipline. Graduates may typically work in government, semi-

government or private organisations as electrical, mechanical, biomedical or avionics engineers.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Advanced Standing

Students completing two Masters courses in the Faculty of Built Environment and Engineering will be eligible to apply for a maximum of 24 credit points advanced standing in the second course on the basis of common units already completed. Such students will be required to complete a minimum of 72cp to be determined in consultation with the nominated Course Leader, to achieve the second Masters.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
ENN520	Advanced Signal Processing and Systems
ENN540	Engineering Optimisation
GSN235	Communication, Negotiation and Leadership

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
ENN560	System Design
ENN580	Control Systems

Part-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
ENN520	Advanced Signal Processing and Systems

Year 1, Semester 2

ENN560	System Design
ENN580	Control Systems

Year 2, Semester 1

ENN540	Engineering Optimisation
GSN235	Communication, Negotiation and Leadership

Year 2, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering
ENN560 System Design
ENN580 Control Systems
AMN435 Communication, Negotiation and Leadership

Year 2, Semester 1

BEN610 Project Management Principles
BEN910 Integrated Project
ENN520 Advanced Signal Processing and Systems
ENN540 Engineering Optimisation

Part-time Course Structure - Year 1, Semester 2

ENN560 System Design
ENN580 Control Systems

Year 2, Semester 1

BEN610 Project Management Principles
ENN520 Advanced Signal Processing and Systems

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering
AMN435 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project
ENN540 Engineering Optimisation

Potential Careers:

Civil Engineer, Electrical and Computer Engineer, Electrical Engineer, Engineering Technologist, Mechanical Engineer, Medical Engineer.

Bachelor of Engineering (Electrical)/ Bachelor of Mathematics (IF21)

Year offered: 2009

Admissions: Yes

CRICOS code: 020329J

Course duration (full-time): 5 years

Domestic fees (indicative): 2009: CSP \$3,547 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419572

Past rank cut-off: 80

Past OP cut-off: 11

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging; ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 480

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer (Engineering); Professor Helen MacGillivray (Mathematics)

Discipline coordinator: Dr Jason Ford (Engineering)

Campus: Gardens Point

Recommended study

Chemistry, Maths C and Physics are recommended.

Career Opportunities

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems on behalf of government and private companies. A stronger training in mathematics and statistics enhances capabilities in modelling, analysis and design.

Overview

The program integrates both the engineering and mathematics degree. Mathematics and engineering have always had close connections, but recent advancement in mathematics and statistics are increasingly being used to help solve complex engineering problems.

Special Course Requirements

A candidate for this course must obtain at least 60 days of industrial experience in an engineering environment approved by the course coordinator.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia, and the coursework requirements for accredited graduate membership of the Australian Mathematical Society. Students may also become a member of the Statistical Society of Australia.

Contact Details

Electrical Coordinator

Dr Firuz Zare

Email: bee.enquiries@qut.com

Mathematics Coordinator

Professor Helen MacGillivray

Phone: +61 7 3138 2337

Email: h.macgillivray@qut.edu.au

Bursaries and Scholarships

Students enrolled in this course can apply for industry-sponsored bursaries. These bursaries are awarded on a competitive basis. Go to QUT Scholarships website. Look under Commencing Students - Faculty Scholarships.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure - For students with four semesters of Senior Mathematics B and Senior Mathematics C

For students with four semesters of both Senior Mathematics B and Senior Mathematics C (or equivalent) with an exit assessment of at least Sound Achievement in both subjects.

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Year 1, Semester 1

BEB100	Introducing Professional Learning
MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C
PCB136	Engineering Physics 1C

Year 1, Semester 2

ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
MAB101	Statistical Data Analysis 1
MAB220	Computational Mathematics 1

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB210	Statistical Modelling 1
MAB311	Advanced Calculus

Year 2, Semester 2

BEB200	Introducing Sustainability
ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
MAB413	Differential Equations

Year 3, Semester 1

ENB242	Introduction To Telecommunications
ENB350	Real-time Computer-based Systems
MAB312	Linear Algebra
MAB314	Statistical Modelling 2

Year 3, Semester 2

ENB245	Introduction To Design and Professional Practice
ENB352	Communication Environments For Embedded Systems
MAB414	Applied Statistics 2 Mathematics elective (Level 2)

Year 4, Semester 1

ENB301	Instrumentation and Control
ENB340	Power Systems and Machines
ENB342	Signals, Systems and Transforms Mathematics elective (Level 2)

Year 4, Semester 2

ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications
ENB458	Modern Control Systems Mathematics elective (Level 3)

Year 5, Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1 Electrical Engineering elective Mathematics elective (Level 3)

Year 5, Semester 2

BEB802	Project 2
ENB344	Industrial Electronics Mathematics elective (Level 3) Mathematics elective (Level 3)

Course structure - For students with fours semesters of Senior Mathematics B (or equivalent) only

For students with four semesters of Senior Mathematics B (or equivalent) only, with an exit assessment of at least Sound Achievement.

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Year 1, Semester 1

BEB100	Introducing Professional Learning
MAB100	Mathematical Sciences 1A
MAB101	Statistical Data Analysis 1
PCB136	Engineering Physics 1C

Year 1, Semester 2

ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB220	Computational Mathematics 1
MAB311	Advanced Calculus

Year 2, Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
MAB210	Statistical Modelling 1
MAB413	Differential Equations

Year 3, Semester 1

ENB242	Introduction To Telecommunications
ENB350	Real-time Computer-based Systems
MAB312	Linear Algebra
MAB314	Statistical Modelling 2

Year 3, Semester 2

BEB200	Introducing Sustainability
ENB245	Introduction To Design and Professional Practice
ENB352	Communication Environments For Embedded Systems
MAB414	Applied Statistics 2

Year 4, Semester 1

ENB301	Instrumentation and Control
ENB340	Power Systems and Machines
ENB342	Signals, Systems and Transforms Mathematics elective (Level 2)

Year 4, Semester 2

ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications

ENB458 Modern Control Systems
Mathematics elective (Level 3)

Year 5, Semester 1

BEB701 Work Integrated Learning 1
BEB801 Project 1
Electrical Engineering elective
Mathematics elective (Level 3)

Year 5, Semester 2

BEB802 Project 2
ENB344 Industrial Electronics
Mathematics elective (Level 3)
Mathematics elective (Level 3)

Electrical Engineering Electives

ENB231 Materials and Manufacturing 1
ENB334 Design For Manufacturing
ENB350 Real-time Computer-based Systems
ENB352 Communication Environments For Embedded Systems
ENB436 Mechatronics System Design
ENB440 RF and Applied Electromagnetics
ENB441 Applied Image Processing
ENB445 RF Communication Technologies
ENB446 Wireless Communications
ENB448 Signal Processing and Filtering
ENB452 Advanced Power Systems Analysis
ENB453 Power Equipment and Utilisation
ENB454 Power System Management
ENB455 Power Electronics
ENB456 Energy
ENB457 Controls, Systems and Applications
ENB458 Modern Control Systems
INB353 Wireless and Mobile Networks
INB860 Computational Intelligence for Control and Embedded Systems

Mathematics Electives (Level 2)

MAB313 Mathematics of Finance
MAB420 Computational Mathematics 2
MAB422 Mathematical Modelling
MAB461 Discrete Mathematics
MAB480 Introduction to Scientific Computation

Mathematics Electives (Level 3)

Four units required:

MAB521 Applied Mathematics 3

MAB522 Computational Mathematics 3
MAB524 Statistical Inference
MAB533 Statistical Techniques
MAB536 Time Series Analysis
MAB613 Partial Differential Equations
MAB623 Financial Mathematics
MAB624 Applied Statistics 3
MAB672 Advanced Mathematical Modelling

NOTES:

- Some deviations from the above course structure may be possible with the permission of the course coordinator. This is more likely to apply in the later years than the earlier years of the course.

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer, Mathematician, Statistician.

Bachelor of Engineering (Electrical)/Bachelor of Business (IF28)

Year offered: 2009

Admissions: No

CRICOS code: 027278C

Course duration (full-time): 5 years

Domestic fees (indicative): 2009: CSP \$3,884 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419532; Dfee: 419536

Past rank cut-off: 80. Dfee places were not offered last year.

Past OP cut-off: 10. Dfee places were not offered last year.

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Data Analysis for Business as a visiting student or QUT Continuing Professional Education course Mathematics Bridging; ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 480

Standard credit points per full-time semester: 48 (average)

Course coordinator: Dr R.Mahalanga-Iyer (Engineering); Dr Erica French (Business)

Discipline coordinator: Dr Jason Ford (Engineering); Ms Ros Kent (Accountancy); Ms Gayle Kerr (Advertising); Dr Tommy Tang (Economics); Dr Robert Bianchi (Finance); Dr Robert Thompson (Human Resource Management); Mr Michael Cox (International Business); Dr Kavvoos Mohannak (Management); Mr Bill Proud (Marketing); and Ms Amisha Mehta (Public Relations)

Campus: Gardens Point

Discontinuation

From Semester 1, 2007, this course has been renamed and recoded to IX28 Bachelor of Business/Bachelor of Engineering. Currently enrolled students who wish to remain in, and graduate from the existing program will be permitted to do so up to the end of 2009. From Semester 1, 2010, all students will be enrolled in the new program.

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This course has been discontinued. Currently enrolled students should check the Course Summary Sheet (via QUT Virtual) for enrolment and unit information.

Doctor of Philosophy (Built Environment, Engineering) (IF49)

Year offered: 2009

Admissions: Yes

CRICOS code: 006367J

Course duration (full-time): 2 years (max. 4 years)

Course duration (part-time): 4 years (max. 8 years)

Domestic fees (indicative): Aust citizens or PRs will be awarded an RTS/RTA place or a QUT sponsorship for tuition fees. If you exceed the max time, you will be charged - 2009: \$6,720 per semester (indicative)

International Fees (per semester): 2009: \$11,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: At any time

International Entry: At any time

Campus: Gardens Point

Entry Requirements

First class or second class division A honours degree, an appropriate Masters Degree (research or coursework), or a professional doctorate, from a recognised institution. Masters degree by coursework and professional doctorates must contain a significant research component, of no less than 33 per cent of the total degree, and must have a GPA of at least 5.5 on a 7 point scale.

Overview

This program provides in-depth research training in particular areas of built environment and engineering while broadening knowledge in a chosen discipline area. In the multimodal program candidates conduct research away from QUT, often in the workplace, either in Australia or overseas. Videoconferencing, email and other technologies make it possible for candidates to participate in activities such as seminar delivery and progress reporting.

Candidates would normally undertake their Confirmation of Candidature and Final Seminar in person. A QUT staff member of the supervisory team would normally visit the candidate at their research site at least once during their candidature. External candidates must normally spend a minimum of three months at QUT and be present in person for their confirmation of Candidature and Final Semester. Doctoral studies normally include:

- * assessed coursework
- * participation in university scholarly activities such as research seminars, teaching and publication
- * regular meetings with supervisors
- * a program of supervised research and investigation
- * preparation of a thesis. Candidates can enrol in a doctoral program through the Faculty Research Centre.

Fees

Australian citizens and permanent residents will be awarded a Research Training Scheme (RTS) place. Domestic students are not required to apply for an RTS entitlement, as it will be automatically allocated. The RTS covers tuition fees but not Guild fees or other study related costs. PhD Students are entitled to four years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for extension, however the University

may charge fees for the period of the program, which exceeds the student's entitlement. The University determines the fee level.

Research Areas

Areas of research interest

You can enrol in a research program in the following thematic areas of research:

- * Infrastructure (Energy, Water, Housing and Construction)
- * Smart Systems (Speech and signal processing, robotics and automation, and infrastructure and asset management)
- * Medical Engineering (Orthopaedics & trauma, Biomedical modelling and simulation) and
- * Design (industrial design, interior design, urban design and architecture).

DESIGN

The DESIGN theme includes research in Architecture, Industrial Design, Interior Design, Landscape Architecture and Urban Design. It focuses on Subtropical Design, Digital Design, Human-centred Design Research and Useability, Built Environment Design Areas, Cultural Landscape, Design for Aging, Design and Research Methodologies and Design Education. The theme is cross/inter - disciplinary related with relevant fields in the Faculty (eg. mechanical/manufacturing/medical engineering; transport engineering; structures and designs; electronic systems and informatics environment) and across the University community (eg. Institute for Health and Biomedical Innovation (IHBI), Institute for Creative Innovation (iCi), Information Security Institute (ISI), Institute for Sustainable Systems and Resources and relevant Collaborative Research Centres (CRC)).

MEDICAL ENGINEERING

This program aims to engender sustainable improvements in quality of life for everybody through the innovative application of new and emerging technologies which will not only help reduce the economic burden of healthcare provision, but also generate wealth for the nation through the stimulation of local industry. Under two broad headings, the program encompasses the following research areas:

- * Orthopaedic and Trauma

The Orthopaedic and Trauma group has seven principal areas of focus: bone defects; fracture healing; pathogenesis and repair of osteoarthritis; biomaterials; new approaches to minimally invasive surgery; paediatric and adult spine research; and clinical outcomes.

- * Biomechanics, Modelling and Simulation

Apart from orthopaedic research, the Medical Engineering program also encompasses many other areas studying the application of mechanical and electrical engineering to clinically related healthcare problems. These include: amputee gait analysis; paediatric gait analysis; performance of paralympic athletes; osseointegrated implants; spinal and pelvic mechanics; paediatric spine deformity; artificial organs, specifically ventricular assist devices (artificial heart) and artificial lungs; tissue mechanics; bioelectrical signal analysis; tribology of artificial joints; and the interface between devices and the human body.

MEDICAL ENGINEERING - Biomechanical Modelling and Simulation

SMART SYSTEMS - Infrastructure and Asset Management
Infrastructure research, in collaboration with industry, government and professions, aims to strengthen the nation's building and infrastructure systems. Research concentrates on investigating the performance of existing and new building and infrastructure systems under realistic structural and environmental loadings including those due to natural, accidental and man-made hazards. It uses smart materials, systems and technologies, and advanced computer analysis and test methods to assess and improve the performance of existing and new building and infrastructure systems.

Asset Management research focuses on innovative industry directed research and development, education and commercialisation in an integrated approach to lifecycle physical asset management to meet present and future needs to ensure international competitiveness and sustainability of Australian industry. The overall research program will be focused on five main industry sectors: Defence, Water and Waste, Power Generation and Distribution, Extraction and Process and Transport Infrastructure.

This research is closely aligned to the CRC for Construction Innovation and the CRC for Integrated Engineering Asset Management.

SMART SYSTEMS - Robotics and Automation

The Robotics and Automation program is focussed on world-class research on robotics and navigation systems for unmanned aerial vehicles, and involves collaboration with CSIRO and Boeing. However similar automation strategies and technologies are used in a variety of control applications such as energy network control, and infomechatronic systems, and satellites.

SMART SYSTEMS - Speech and Signal Processing

This program conducts internationally competitive research in order to solve practical problems, which enable Speech, and Signal Processing to be applied in products and processes. Research focuses on, state-of-the-art speech audio and video technologies including speech/speaker recognition and personal identification technologies for forensic and security applications; speech coding for storage and communication; speech synthesis for voice response systems; audio compression for broadcasting, television and Internet applications, video compression and image recognition and restoration.

INFRASTRUCTURE - Energy

The provision of sustainable energy supplies is of critical importance to the future of Australia, and this research involves experimental and theoretical research on solar cells, wind energy and solar thermal energy generation as well as fundamental research on energy supply networks, including distributed generation technology and energy policy. This research is conducted in collaboration with energy utilities and the Queensland Sustainable Energy

Industry Development Group.

INFRASTRUCTURE - Water

The supply of fresh water and the quality of water supply are key issues facing Australia over the next 20 years, and this research looks at water re-use technology and policy. The research is practically focussed with significant collaboration with local government in South-East Queensland.

INFRASTRUCTURE - Transport

The aim of this program is to focus research effort in the freight and logistics area with an emphasis on multi-modal transportation systems. The main research areas include freight vehicle impacts, freight and logistics e-business systems, freight corridor evaluation analysis, ITS applications in freight and logistics, emissions modelling, transit evaluation methodologies, rail track modelling and analysis, and intermodal terminal planning and operations.

INFRASTRUCTURE - Housing and Construction

This research makes contributions to improved practice in the specific areas of housing, urban planning, international project management, construction and property performance, construction information and procurement technologies, and property market choice, investments, constraints opportunities, internationalisation, taxation, lifecycles, risk and culture.

The Faculty is also involved in the following Cooperative Research Centres (CRC) and externally-funded collaborative research ventures:

CRC FOR CONSTRUCTION INNOVATION

The Centre aims to create and commercially exploit tools, technologies and management systems to deliver innovative constructed assets of financial, environmental and social benefit to the community. The centre combines basic research with strategic research and development in five related programs: virtual environments for lifecycle design and construction; construction project delivery strategies; environmental sustainability; integrated design and construction support systems; and management, adaptability and the future of built assets.

CRC FOR INTEGRATED ENGINEERING ASSET MANAGEMENT

The CRC for Integrated Engineering Asset Management (CIEAM) delivers capabilities and technologies for integrated and sustainable asset management to a wide range of Australian industries in both the private and the public sectors. CIEAM consists of leading edge researchers and practitioners focused on industry directed R&D and education in the management of Australia's major engineering assets in the Defence, Utilities (power, water and gas), Process and extraction, and Transportation industries. CIEAM involves five research program areas. These are: Models and decision systems, Advanced sensors, Intelligent diagnostics and life prediction, Systems integration and IT, and Strategic human dimensions.

CRC FOR RAILWAY ENGINEERING AND TECHNOLOGIES

The Centre aims through research to develop an internationally competitive, efficient and sustainable rail industry and to facilitate the development of an Australian export industry in railway technologies. Benefits will flow in terms of improved rail efficiency and infrastructure capacity, energy savings, reduced maintenance cost and better asset utilisation. The main research areas include: 'Smart train' intelligent systems; innovative/automated maintenance and upgrading technologies; optimal traffic control and scheduling; IT systems and standards for rail management; new materials, systems and components for railways; and, industry skills development (education and training).

CRC FOR ADVANCED AUTOMOTIVE TECHNOLOGY

The CRC for Advanced Automotive Technology brings the automotive industry together with researchers in design, engineering and manufacturing to enhance the industry's international competitiveness. The aim of the research is to reduce the concept-to-product cycle times, improved manufacturing flexibility and efficiency and the development of new material systems to meet the challenges of weight reduction, increased safety and greater functionality. The CRC will also improve vehicle safety through improvements in the crash worthiness of vehicles and new intelligent products/systems that provide increased comfort, performance and entertainment.

AUSTRALIAN HOUSING AND URBAN INSTITUTE (AHURI):

The Institute is a consortium of CSIRO Division of Building, Construction and Engineering ; Queensland University of Technology; University of Queensland; Monash University, and Royal Melbourne Institute of Technology (RMIT). Its broad objective is to conduct research into issues in housing and urban fields in Australia and the Asia-Pacific region.

CENTRE FOR SUBTROPICAL DESIGN

The Centre for Subtropical Design is one of the Faculty's first funded units in one of our major targeted areas: sustainable development. This Centre will promote high quality planning, design and development that responds to the City of Brisbane and South-East Queensland Region's cultural, landscape, and climatic characteristics in ways that are sustainable and enhance the enjoyment of the region's subtropical lifestyle.

QUEENSLAND SUSTAINABLE ENERGY INDUSTRY DEVELOPMENT GROUP

This group, formed in 2004 by QUT, the University of Queensland, Central Queensland University, Stanwell Corporation, CS Energy and the Queensland Conservation Council, is continuing the work of the Australian CRC for Renewable Energy in areas of energy policy, training for the sustainable energy industry (supply and use), and renewable energy technology.

AUSTRALIAN CENTRE FOR SUGAR RESEARCH INNOVATION

This Centre is the research division of the former Sugar Research Institute which transferred to QUT in July 2005. This Centre conducts research into the post-harvest processing and economics of sugar cane, and has a

particular expertise in milling technology (mechanical engineering and computational fluid dynamics modelling), separation science, and total biomass utilisation, in particular the transformation of sugar cane waste into biofuels (ethanol) and biopolymers to provide renewable fuels and industrial chemicals.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

The Centre for Built Environment and Engineering Research
Phone +61 7 3138 1424, Fax +61 7 3138 8381, e-mail: bee.research@qut.edu.au

Bachelor of Engineering (Electrical)/Bachelor of Information Technology (IF59)

Year offered: 2009

Admissions: No

CRICOS code: 006384G

Course duration (full-time): 5 years

Domestic fees (indicative): 2009: CSP \$3,585 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

QTAC code: 419512

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or **Total credit points:** 480

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer (Engineering), Mr Richard Thomas (Information Technology)

Discipline coordinator: Dr Jasmine Banks (Engineering)

Campus: Gardens Point

Recommended Study

Chemistry, Math C and Physics are recommended.

Course Update

From semester one, 2009 this course will not be available for commencing students. IF59 will only be available for continuing students. New students - please refer to IX54. Please contact fit.enquiry@qut.edu.au for any enquiries.

Career Outcomes

Many graduates find employment in government instrumentalities such as communications, railways, electricity supply, hospitals, transport and in private organisations that are using electronics, electronic systems, computers and microprocessors to monitor, control, communicate and optimise processes and production.

Overview

The engineering component consists of studies in electronic systems engineering while the information technology component concentrates on software engineering. These studies integrate into a cohesive course which gives a wide and advanced study of modern electronic and computing systems. This double degree produces computer and electronic engineers especially suited for the development and application of electronic systems, including micro, mini and mainframe computer systems in all areas of industry.

Cooperative Education Program

An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT's Cooperative Education students have worked with

include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

For more information visit IT's Cooperative Education program home page at <http://coop.fit.qut.edu.au/>

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. Graduates of the Bachelor of Information Technology component meet the knowledge requirements for admission to the Australian Computer Society (ACS).

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Electronics)/Bachelor of Information Technology must obtain at least 60 days of industrial experience in an engineering environment approved by the course coordinator.

Unit Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

Undergraduate Translation Table

If you have completed the unit(s) listed under the Translation Unit Codes column you are not permitted to enrol in the listed new code.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Unit Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

Undergraduate Translation Table

If you have completed the unit(s) listed under the Translation Unit Codes column you are not permitted to enrol in the listed new code

Further Information

Engineering Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.edu.au

Faculty of Science and Technology Phone +61 7 3138

2782, Fax +61 7 3138 2703, email:
enquiry.scitech@qut.edu.au

IF59 - Course Structure for Continuing Students

Full-time Course Structure - Year 2, Semester 1

ENB240	Introduction To Electronics
INB251	Networks
INB271	The Web
MAB233	Engineering Mathematics 3

Year 2, Semester 2

ENB243	Linear Circuits and Systems
ENB245	Introduction To Design and Professional Practice
INB210	Databases
INB272	Interaction Design

Year 3, Semester 1

ENB242	Introduction To Telecommunications
ENB340	Power Systems and Machines
	IT Elective
	IT Elective

Year 3, Semester 2

ENB241	Software Systems Design
ENB244	Microprocessors and Digital Systems
ENB345	Advanced Design and Professional Practice
	IT Elective

Year 4, Semester 1

ENB342	Signals, Systems and Transforms
ENB343	Fields, Transmission and Propagation
ENB350	Real-time Computer-based Systems
	IT Elective

Year 4, Semester 2

ENB344	Industrial Electronics
ENB346	Digital Communications
INB301	The Business of IT
	IT Elective

Year 5, Semester 1

ENB301	Instrumentation and Control
BEB801	Project 1
	OR
INB309-1	Major Project
	IT Elective
	Applications Minor Selective

Year 5, Semester 2

BEB701	Work Integrated Learning 1
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BEB802 Project 2
OR

INB309-2 Major Project
IT Elective
Applications Minor Selective

Applications Minor Selectives - Same as for EN40 Electrical.

Please refer to EN40 Electrical Course Structure - Standard Program.

Industrial Experience

Students must obtain at least 60 days industrial experience in an engineering environment as approved by the Course Coordinator.

IT Elective Unit List

Information Technology Elective Unit List

INB104	Building IT Systems
INB103	Industry Insights
INB270	Programming
INB210	Databases
INB250	Systems Architecture
INB251	Networks
INB271	The Web
INB301	The Business of IT
INB302	Capstone Project
INS011	Co-operative Education 1
INS351	CCNA 3&4 Lan Switching
INB280	Fundamentals of Game Design
INB281	Advanced Game Design
INB341	Software Development With Oracle
INB311	Enterprise Systems
INB340	Database Design
INB306	Project 1
INB312	Enterprise Systems Applications
INB342	Enterprise Data Mining
INB385	Multimedia Systems
INB386	Advanced Multimedia Systems
INB313	Electronic Commerce Site Development
INB322	Information Systems Consulting
INB330	Information Management
INB320	Business Process Modelling
INB335	Information Resources
INB120	Corporate Systems
INB122	Organisational Databases
INB123	Project Management Practice
INB124	Information Systems Development
INB220	Business Analysis
INB221	Technology Management

INB325	Corporate Systems Management Project
INB371	Data Structures and Algorithms
INB272	Interaction Design
INB305	Special Topic 4
INB365	Systems Programming
INB372	Software Engineering Principles
INB370	Software Development
INB373	Web Application Development
INB374	Enterprise Software Architecture
INB350	Internet Protocols and Services
INB255	Security
INB352	Network Planning and Deployment
INB351	Computer Network Administration
INB353	Wireless and Mobile Networks
INB382	Real Time Rendering Techniques
INB381	Modelling and Animation Techniques
INB355	Cryptology and Protocols
INB180	Computer Games Studies
INB181	Introduction to Games Production
INB204	Special Topic 1
INB304	Special Topic 3
INB205	Special Topic 2
INB860	Computational Intelligence for Control and Embedded Systems
MAB281	Mathematics for Computer Graphics

IF59 - Elective Unit List

Electrical Engineering Elective Units

EEB941	Modern Signal Processing
ENB440	RF and Applied Electromagnetics
ENB441	Applied Image Processing
ENB352	Communication Environments For Embedded Systems
ENB446	Wireless Communications
ENB448	Signal Processing and Filtering

Information Technology Elective Units

Please refer to Course Summary sheet.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Programmer, Software Engineer, Web Designer.

Bachelor of Engineering (Software Engineering) (IX25)

Year offered: 2009

Admissions: No

CRICOS code: 053707D

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419502

Past rank cut-off: 76

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Jasmine Banks

Campus: Gardens Point

Course Overview

The course is a collaborative program between the Faculties of Built Environment & Engineering and Information Technology which provides students with the electrical engineering and software development skills to seek employment as software engineers. The engineering component consists of studies in electronic systems engineering while the information technology component concentrates on software engineering. These studies integrate into a cohesive course which gives a wide and advanced study of modern electronic and computing systems. This degree produces computer and electronic engineers especially suited for the development and application of electronic systems, including micro, mini and mainframe computer systems in all areas of industry.

Course is under review

The Faculty of Science and Technology is currently reviewing this course structure to continue to meet the needs of students and employers. As a result this program may change in 2009 and is subject to final approval. Further information will be available from August 2008. Please contact enquiry.scitech@qut.edu.au for any enquiries.

Recommended Study

Chemistry, Maths C and Physics

Career Outcomes

Software Engineers create, maintain and modify computer and software programs such as operating systems or communications software. They may also evaluate and deploy new programming tools and techniques and analyse

current software products. You may work in a range of occupational environments. Software engineers can work in Engineering/IT-specific industries, as well as in other organisations requiring software engineering expertise.

Professional Recognition

Professional accreditation from Engineers Australia and the Australian Computer Society is being sought.

Special course requirements

Students are required to complete 60 days approved industrial experience.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Unit Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

Undergraduate Translation Table

If you have completed the unit(s) listed under the Translation Unit Codes column you are not permitted to enrol in the listed new code.

Unit Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

Undergraduate Translation Table

If you have completed the unit(s) listed under the Translation Unit Codes column you are not permitted to enrol in the listed new code.

Further Information

Faculty of Built Environment and Engineering: tel: +61 7 3138 1993, fax: +61 7 3138 1516, email: bee.enquiries@qut.edu.au

Faculty of Science and Technology: tel: +61 7 3138 2782, fax +61 7 3138 2703, email: enquiry.scitech@qut.edu.au

IX25 - Bachelor of Engineering (Software Engineering) - Course structure

Course Structure 2009

The Faculty of Information Technology is currently reviewing this course structure to

continue to meet the needs of students and employers. As a result this program may change in 2009 and is subject to final approval. Further information will be available from August 2008. Please contact fit.enquiry@qut.edu.au for any enquiries.

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
INB251	Networks
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
INB210	Databases
	Select one of:
INB271	The Web
INB272	Interaction Design

Year 3 - Semester 1

ENB350	Real-time Computer-based Systems
ENB354	Introduction To Systems Design
INB370	Software Development
INB371	Data Structures and Algorithms

Year 3 - Semester 2

ENB352	Communication Environments For Embedded Systems
ENB355	Advanced Systems Design
INB301	The Business of IT
INB372	Software Engineering Principles

Year 4 - Semester 1

INB350	Internet Protocols and Services
INB255	Security
INB309-1	Major Project
	OR
BEB801	Project 1
	Elective

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
INB309-2	Major Project
	OR
BEB802	Project 2
	Elective
	Elective

IX25 - Bachelor of Engineering (Software Engineering) - Electives

Students are required to undertake 3 electives

as follows: 2 from Electrical Engineering and 1 from Information Technology

Electrical Engineering Electives (2 to be selected)

Any 3rd or 4th year electrical ENB unit approved by the course coordinator.

Information Technology Electives (1 to be selected)

INB365	Systems Programming
INB373	Web Application Development
INB381	Modelling and Animation Techniques
INB382	Real Time Rendering Techniques

Or any 3rd or 4th year IT unit approved by the course coordinator.

Potential Careers:

Computer Systems Engineer, Data Communications Specialist, Electrical and Computer Engineer, Electrical Engineer, Software Engineer, Systems Programmer.

Bachelor of Business / Bachelor of Engineering (IX28)

Year offered: 2009

Admissions: Yes

CRICOS code: 061649J

Course duration (full-time): 5 years

Domestic fees (indicative): 2009: CSP \$4,022 (indicative) per semester

International Fees (per semester): 2009: \$10,750 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419532

Past rank cut-off: 80

Past OP cut-off: 11

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and for accountancy, economics, finance and marketing majors: Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Data Analysis for Business as a visiting student or QUT Continuing Professional Education course Mathematics Bridging; ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Course coordinator: Dr R.Mahalinga-Iyer (Engineering); Dr Erica French (Business)

Discipline coordinator: Dr Jason Ford (Engineering); Ms Ros Kent (Accountancy); Ms Gayle Kerr (Advertising); Dr Tommy Tang (Economics); Dr Robert Bianchi (Finance); Dr Robert Thompson (Human Resource Management); Mr Michael Cox (International Business); Dr Kavoo Mohannak (Management); Mr Bill Proud (Marketing); and Ms Amisha Mehta (Public Relations)

Campus: Gardens Point

Recommended Study

Chemistry, Maths C and Physics are recommended.

Career Outcomes

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems on behalf of governments and private companies. Graduates of the Bachelor of Business are skilled in many aspects of business including: accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing and public relations.

Overview

Students combine engineering knowledge in electronics, computer systems, telecommunications and electric power with a business course majoring in one or more of accountancy, advertising, economics, finance, human resource management, international business, management, marketing or public relations.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia.

The Bachelor of Business degree may, subject to choice of major, allow graduates to satisfy the academic requirements for membership as follows:

*All majors: Chartered Secretaries Australia (CSA) - enrolment in the Graduate Diploma in Applied Corporate Governance.

*Accountancy: CPA Australia (associate membership & enrolment in the CPA Program), Institute of Chartered Accountants in Australia (ICAA)(enrolment in the CA Program).

*Advertising - Advertising Federation of Australia, Australian Association of National Advertisers, Australian Direct Marketing Association;

*Economics: Economic Society of Australia (Queensland Division).

*Finance: Financial Services Institute of Australasia (FINSIA).

*Human Resource Management - Australian Human Resources Institute, Australian Institute of Training and Development, Australian Institute of Management;

*International Business - Australian Institute of Export, the Logistics Association of Australia and the Chartered Institute of Purchasing;

*Management - Australian Institute of Management;

*Marketing: Australian Marketing Institute, Market Research Society of Australia, Australian Institute of Management, Australian Institute of Export (Qld) Ltd, American Marketing Association.

*Public Relations - Public Relations Institute of Australia.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the course coordinator, before graduating.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Course Design

Students are required to complete 480 credit points comprised of 252 credit points from the Bachelor of Engineering (Electrical & Computer Engineering) program and 192 credit points from the Bachelor of Business program. Students supplement the engineering component of this program with the 84* credit point Faculty Core units in the Bachelor of Business program together with a 72 credit point Major in one of the following: Accountancy, Advertising, Economics, Finance, Human Resource Management, International Business, Management, Marketing or Public Relations, as well as a further 72 credit points in which the student must complete one of the following: Double Major, Extended Major or Specialisation.

Further Information

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Faculty of Business Phone +61 7 3138 2050, Fax +61 7

3138 1537, email bus@qut.edu.au

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure - Civil Engineering

Year 1, Semester 1

ENB101	Engineering Mechanics 1
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1, Semester 2

ENB102	Engineering Mechanics 2
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1

BEB100	Introducing Professional Learning
ENB104	Engineering Materials
ENB271	Design of Structural Timber and Earthworks
MAB233	Engineering Mathematics 3

Year 2, Semester 2

ENB201	Fluid Mechanics
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Year 3, Semester 1

ENB272	Geotechnical Engineering 1
ENB273	Civil Materials

Year 3, Semester 2

BEB200	Introducing Sustainability
ENB274	Design of Environmentally Sustainable Systems
ENB276	Structural Engineering 1

Year 4, Semester 1

ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2

Year 4, Semester 2

ENB371	Geotechnical Engineering 2
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Year 5, Semester 1

BEB801	Project 1
ENB378	Water Engineering
ENB471	Design of Concrete Structures and Foundations

Year 5, Semester 2

BEB701	Work Integrated Learning 1
ENB275	Project Engineering 1
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering

Course structure - Electrical Engineering

Year 1, Semester 1

BEB100	Introducing Professional Learning
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1, Semester 2

ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3
PCB136	Engineering Physics 1C

Year 2, Semester 2

BEB200	Introducing Sustainability
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Year 3, Semester 1

ENB242	Introduction To Telecommunications
ENB340	Power Systems and Machines

Year 3, Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice

Year 4, Semester 1

ENB301	Instrumentation and Control
ENB342	Signals, Systems and Transforms

Year 4, Semester 2

ENB345	Advanced Design and Professional Practice
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Year 5, Semester 1

BEB701	Work Integrated Learning 1
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BEB801 Project 1
Applications Minor Selective

Year 5, Semester 2

BEB802 Project 2
ENB344 Industrial Electronics
ENB346 Digital Communications
Applications Minor Selective

Applications Minor Selectives - Same as for EN40 Electrical.

Please refer to EN40 Electrical Course Structure - Standard Program.

Course structure - Mechanical Engineering

Year 1, Semester 1

BEB100 Introducing Professional Learning
MAB131 Engineering Mathematics 1A
OR
MAB180 Engineering Mathematics 1B

Year 1, Semester 2

ENB104 Engineering Materials
MAB132 Engineering Mathematics 2A
OR
MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB101 Engineering Mechanics 1
ENB231 Materials and Manufacturing 1
MAB233 Engineering Mathematics 3
PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB103 Electrical Engineering

Year 3, Semester 1

ENB105 Electrical and Computer Engineering
ENB211 Dynamics

Year 3, Semester 2

BEB200 Introducing Sustainability
ENB102 Engineering Mechanics 2
ENB201 Fluid Mechanics

Year 4, Semester 1

ENB301 Instrumentation and Control
ENB331 Materials and Manufacturing 2

Year 4, Semester 2

ENB215 Fundamentals of Mechanical Design

Year 5, Semester 1

BEB801 Project 1
ENB316 Design of Machine Elements
ENB333 Operations Management

Year 5, Semester 2

BEB701 Work Integrated Learning 1
BEB802 Project 2
ENB222 Thermodynamics 1
ENB334 Design For Manufacturing

Course structure - Accountancy

Year 1 Semester 1

BSB110 Accounting
BSB115 Management

Year 1 Semester 2

BSB123 Data Analysis
BSB126 Marketing

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

AYB200 Financial Accounting
AYB225 Management Accounting
BSB111 Business Law and Ethics

Year 3 Semester 1

EFB210 Finance 1
AYB221 Computerised Accounting Systems

Year 3 Semester 2

AYB219 Taxation Law

Year 4 Semester 1

AYB230 Corporations Law
AYB321 Strategic Management Accounting

Year 4 Semester 2

AYB301 Audit and Assurance
AYB340 Company Accounting
BSB113 Economics

Year 5 Semester 1

AYB311 Financial Accounting Issues

Course structure - Advertising

Year 1 Semester 1

BSB126 Marketing
BSB113 Economics

Year 1 Semester 2

BSB110 Accounting
BSB115 Management

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB119 Global Business
BSB123 Data Analysis
BSB124 Working in Business

Year 3 Semester 1

AMB200 Consumer Behaviour
AMB201 Marketing and Audience Research

Year 3 Semester 2

AMB220 Advertising Theory and Practice

Year 4 Semester 1

AMB318 Advertising Copywriting
AMB319 Media Planning

Year 4 Semester 2

AMB320 Advertising Management
AMB330 Advertising Planning Portfolio
BSB111 Business Law and Ethics

Year 5 Semester 1

AMB339 Advertising Campaigns

Course structure - Economics

Year 1 Semester 1

BSB113 Economics
BSB115 Management

Year 1 Semester 2

BSB123 Data Analysis
BSB124 Working in Business

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB110 Accounting
EFB222 Quantitative Methods For Economics and Finance
EFB223 Economics 2

Year 3 Semester 1

EFB330 Intermediate Macroeconomics
EFB331 Intermediate Microeconomics

Year 3 Semester 2

Choice units or remaining Faculty Core Units

Year 4 Semester 1

Choice units or remaining Faculty Core Units
Choice units or remaining Faculty Core Units

Year 4 Semester 2

EFB338 Contemporary Application of Economic Theory
Choice units or remaining Faculty Core Units
Choice units or remaining Faculty Core Units

Year 5 Semester 1

BSB111 Business Law and Ethics

Choice Units

Choose any three of the following:

EFB332 Applied Behavioural Economics
EFB333 Introductory Econometrics
EFB334 Environmental Economics and Policy
EFB336 International Economics
EFB337 Game Theory and Applications

Important Information:

Please note: BSB119 and BSB126 are the remaining Faculty Core Units to be completed. Please check unit availability when selecting Choice units.

Course structure - Finance

Year 1 Semester 1

BSB113 Economics
BSB115 Management

Year 1 Semester 2

BSB124 Working in Business
BSB126 Marketing

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB110 Accounting
BSB119 Global Business
BSB123 Data Analysis

Year 3 Semester 1

EFB210 Finance 1
EFB222 Quantitative Methods For Economics and Finance

Year 3 Semester 2

EFB307 Finance 2

Year 4 Semester 1

EFB223 Economics 2
EFB335 Investments

Year 4 Semester 2

EFB201 Financial Markets
EFB312 International Finance
EFB340 Finance Capstone

Year 5 Semester 1

BSB111 Business Law and Ethics

Course structure - Human Resource Management

Year 1 Semester 1

BSB113 Economics
BSB115 Management

Year 1 Semester 2

BSB124 Working in Business
BSB126 Marketing

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB110 Accounting
BSB119 Global Business
BSB123 Data Analysis

Year 3 Semester 1

MGB201 Contemporary Employment Relations
MGB207 Human Resource Issues and Strategy

Year 3 Semester 2

MGB200 Leading Organisations

Year 4 Semester 1

MGB331 Learning and Development in Organisations
MGB339 Performance and Reward

Year 4 Semester 2

MGB220 Business Research Methods
MGB320 Recruitment and Selection
MGB370 Personal and Professional Development

Year 5 Semester 1

BSB111 Business Law and Ethics

Course structure - International Business

Year 1 Semester 1

BSB119 Global Business

BSB126 Marketing

Year 1 Semester 2

BSB110 Accounting
BSB115 Management

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB113 Economics
BSB123 Data Analysis
BSB124 Working in Business

Year 3 Semester 1

MGB225 Intercultural Communication and Negotiation Skills
AYB227 International Accounting

Year 3 Semester 2

AMB210 Importing and Exporting

Year 4 Semester 1

AMB303 International Logistics
AMB336 International Marketing

Year 4 Semester 2

EFB240 Finance for International Business
MGB340 International Business in the Asia-pacific
AMB369 International Business Strategy

Year 5 Semester 1

BSB111 Business Law and Ethics

Course structure - Management

Year 1 Semester 1

BSB113 Economics
BSB115 Management

Year 1 Semester 2

BSB124 Working in Business
BSB126 Marketing

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB119 Global Business
BSB123 Data Analysis
MGB200 Leading Organisations

Year 3 Semester 1

MGB210 Managing Operations
MGB223 Entrepreneurship and Innovation

Year 3 Semester 2

MGB225 Intercultural Communication and Negotiation Skills

Year 4 Semester 1

MGB309 Strategic Management
MGB324 Managing Business Growth

Year 4 Semester 2

MGB310 Sustainability in A Changing Environment
MGB335 Project Management
BSB110 Accounting

Year 5 Semester 1

BSB111 Business Law and Ethics

Course structure - Marketing

Year 1 Semester 1

BSB126 Marketing
BSB113 Economics

Year 1 Semester 2

BSB111 Business Law and Ethics
BSB115 Management

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB110 Accounting
BSB119 Global Business
BSB124 Working in Business

Year 3 Semester 1

AMB200 Consumer Behaviour
AMB201 Marketing and Audience Research

Year 3 Semester 2

AMB240 Marketing Planning and Management

Year 4 Semester 1

AMB336 International Marketing
AMB340 Services Marketing

Year 4 Semester 2

AMB202 Integrated Marketing Communication
AMB335 E-marketing Strategies
BSB123 Data Analysis

Year 5 Semester 1

AMB359 Strategic Marketing

Course structure - Public Relations

Year 1 Semester 1

BSB119 Global Business
BSB126 Marketing

Year 1 Semester 2

BSB110 Accounting
BSB115 Management

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB113 Economics
BSB124 Working in Business
AMB201 Marketing and Audience Research

Year 3 Semester 1

AMB263 Introduction To Public Relations
AMB264 Public Relations Techniques

Year 3 Semester 2

BSB111 Business Law and Ethics

Year 4 Semester 1

AMB372 Public Relations Planning
AMB373 Corporate Communication

Year 4 Semester 2

BSB123 Data Analysis
AMB374 Global Public Relations Cases
AMB375 Public Relations Management

Year 5 Semester 1

AMB379 Public Relations Campaigns

Potential Careers:

Account Executive, Accountant, Actuary, Administrator, Advertising Professional, Banker, Banking and Finance Professional, Business Analyst, Certified Practising Accountant, Corporate Secretary, Economist, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Exchange Student, Financial Advisor/Analyst, Financial Project Manager, Funds Manager, Government Officer, Human Resource Developer, Human Resource Manager, International Business Specialist, Internet Professional, Investment Manager, Manager, Marketing Officer/Manager, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Risk Manager, Software Engineer, Stockbroker, Web Designer.

Bachelor of Engineering (Electrical)/Bachelor of Information Technology (IX54)

Year offered: 2009

Admissions: Yes

CRICOS code: 006384G

Course duration (full-time): 5 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: \$218 per credit point (*subject to annual review*)

Domestic fees (indicative): 2008: Full fee tuition \$20,928; CSP \$6,960

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419512

Past rank cut-off: 80

Past OP cut-off: 11

OP Guarantee: Yes

Assumed knowledge: English (4,SA), Maths B or C (4,SA)

Preparatory studies: Chemistry, Maths C, Physics (recommended)

Total credit points: 480

Course coordinator: Dr R.Mahalinga-Iyer (Engineering), Mr Richard Thomas (Information Technology)

Discipline coordinator: Dr Jasmine Banks (Engineering)

Campus: Gardens Point

Course Description

This degree equips you to build and apply creative, innovative IT solutions across diverse industries. A hands-on, real world based curriculum gives you the opportunity to explore a wide range of areas within the two strands of this degree, and gain deep understanding within your chosen area speciality, such as networking, software engineering, data warehousing, business process modelling, enterprise systems, information management, web technologies, or digital societies. You will experience an innovative, hands-on approach to learning through projects where you develop IT systems. You will be able to gain entrepreneurial skills if you wish to learn how to develop an idea into a commercial opportunity. You learn to harness your creativity and people skills to maximise the impact of your technical know-how in the booming IT marketplace. It positions you for a challenging and rewarding career within the global economy. Full-time students are eligible for the Cooperative Education Program; paid industry work experience with credit towards your degree. Students are also offered many other work-integrated learning opportunities where you receive first-hand industry experience.

The engineering component consists of studies in electronic systems engineering while the information technology component concentrates on software engineering. These studies integrate into a cohesive course which gives a wide and advanced study of modern electronic and computing systems. This double degree produces computer and electronic engineers especially suited for the development and application of electronic systems, including micro, mini and mainframe computer systems in all areas of industry.

Entry Requirements

Year 12 or equivalent

Prerequisites: Nil

Assumed Knowledge: English (4,SA), Maths A, B or C (4,SA)

Primary Fields: B or C

Secondary Fields: B or C

OP Guarantee: Yes

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Electronics)/Bachelor of Information Technology must obtain at least 60 days of industrial experience in an engineering environment approved by the course coordinator.

International Students

English language requirements

In addition to the above academic entry requirements, international students must meet the University's English language requirements of IELTS of 6.5 (with no lower than 6.0 for any one band).

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Career Outcomes

Many graduates find employment in government instrumentalities such as communications, railways, electricity supply, hospitals, transport and in private organisations that are using electronics, electronic systems, computers and microprocessors to monitor, control, communicate and optimise processes and production.

Cooperative Education Program

IT's Cooperative Education Program gives you the opportunity of 10-12 months paid industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's Coop Ed students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNiTAB, RACQ and many Queensland Government departments. The Coop Ed Program is available to Australian citizens and permanent residents only.

Find out more about the Cooperative Education Program.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. Graduates of the Bachelor of Information Technology component meet the knowledge requirements for admission to the Australian Computer Society (ACS).

Pathways to Further Studies

In 2001, the Faculty introduced an accelerated Honours program to increase the number of Bachelor of Information Technology students continuing their studies to complete the Honours year. The program allowed selected high achieving students the opportunity to undertake one postgraduate unit in the final semester of their a BIT degree (or double degree) which would be counted both for completion of the degree and towards the Honours program. The program also provided students with the opportunity to commence their Honours studies over the Summer Semester.

An alternative to the Honours program is the Master of Information Technology (Research). Students who complete a BIT degree (or double degree) with a grade point average equal to, or greater than 5 (7 point scale) and who have decided against enrolling in an Honours program, could undertake this course. In addition, students may wish to enrol in the re-designed postgraduate coursework Masters which has ten specialisations allowing students to either extend their area of interest or specialise in other areas at the Masters level.

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Further Information

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Faculty of Science and Technology Phone +61 7 3138 2782, Fax +61 7 3138 2703, email: enquiry.scitech@qut.edu.au

IX54 Bachelor of Engineering (Electrical)/Bachelor of Information Technology Course structure

Year 1, Semester 1

BEB100	Introducing Professional Learning OR
INB103	Industry Insights
INB104	Building IT Systems
MAB131	Engineering Mathematics 1A OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1, Semester 2

BEB200	Introducing Sustainability
ENB103	Electrical Engineering
INB102	Emerging Technology

MAB132 Engineering Mathematics 2A
OR

MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB101	Engineering Mechanics 1
ENB240	Introduction To Electronics
INB101	Impact of IT
MAB233	Engineering Mathematics 3

Year 2, Semester 2

ENB104	Engineering Materials
ENB243	Linear Circuits and Systems
INB270	Programming IT Breadth Option Unit

Year 3, Semester 1

ENB242	Introduction To Telecommunications
ENB301	Instrumentation and Control
ENB340	Power Systems and Machines IT Breadth Option Unit

Year 3, Semester 2

ENB241	Software Systems Design
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice IT Breadth Option Unit

Year 4, Semester 1

ENB342	Signals, Systems and Transforms
ENB343	Fields, Transmission and Propagation
ENB350	Real-time Computer-based Systems
INB201	Scalable Systems Development

Year 4, Semester 2

ENB344	Industrial Electronics
ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications IT Specialist Option Unit

Year 5, Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1 OR
INB309-1	Major Project
INB301	The Business of IT IT Specialist Option Unit

Year 5, Semester 2

BEB802	Project 2 OR
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IT Specialist Option Units

You must complete four (4) units from the following list. Please ensure you have completed a minimum of 36 credit points (3 units) of IT Breadth Option Units before commencing these units. The units are grouped in areas to assist you in focusing your studies.

1. Enterprise Systems:
 - INB123 Project Management Practice
 - INB221 Technology Management
 - INB311 Enterprise Systems
 - INB312 Enterprise Systems Applications
2. Web Technologies:
 - INB313 Electronic Commerce Site Development
 - INB373 Web Application Development
 - INB374 Enterprise Software Architecture
 - INB385 Multimedia Systems
 - INB386 Advanced Multimedia Systems
3. Business Process Management:
 - INB320 Business Process Modelling
 - INB321 Business Process Management
 - INB322 Information Systems Consulting
 - INB323 Smart Services
4. Information Management:
 - INB330 Information Management
 - INB331 Management Issues for Info Professionals
 - INB332 Information Retrieval
 - INB333 Information Programs
 - INB334 Information Issues and Values
 - INB335 Information Resources
5. Data Warehousing:
 - INB340 Database Design
 - INB341 Software Development With Oracle
 - INB342 Enterprise Data Mining
 - INB343 Advanced Data Mining and Data Warehousing
6. Network Systems:
 - INB350 Internet Protocols and Services
 - INB351 Computer Network Administration
 - INB352 Network Planning and Deployment
 - INB353 Wireless and Mobile Networks
7. Software Engineering:
 - INB370 Software Development
 - INB371 Data Structures and Algorithms
 - INB372 Software Engineering Principles
 - INB374 Enterprise Software Architecture
8. Ungrouped:
 - INB204 Special Topic 1
 - INB205 Special Topic 2

- INB304 Special Topic 3
- INB305 Special Topic 4
- INB306 Project 1
- INB307 Project 2
- INB308 Project 3
- INB355 Cryptology and Protocols
- INB365 Systems Programming
- INB860 Computational Intelligence for Control and Embedded Systems
- 9. Digital Environments:
 - INB345 Mobile Devices
 - INB346 Enterprise 2.0
 - INB347 Web 2.0 Applications
 - INB334 Information Issues and Values

Graduate Certificate in Research Commercialisation (IX97)

Year offered: 2009

Admissions: Yes

CRICOS code: not available

Course duration (full-time): 1 semester. Subject to maximum time limit of 4 years.

Course duration (part-time): 2 semesters. Subject to maximum time limit of 4 years.

Domestic fees (indicative): 2009: \$9,200 per semester

International Fees (per semester): 2009: \$10,400 per semester (*subject to annual review*)

Course coordinator: Professor Rod Wissler

Campus: Internet

New heading

New text

course structure

Course structure

IFP100	Knowledge Transfer and Research Commercialisation (Core Unit)
IFP101	Leadership and Workplace Communication
IFP102	Project Management and Research
IFP103	Public Policy and Research
IFP104	Entrepreneurial Foundations
IFP105	Principles and Practice of Research Management
IFP106	Managing Research Careers
IFP107	Global Sustainability
IFP108	Strategic Issues in Research Management

Potential Careers:

Academic, Administrator, Arts Administrator, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Biotechnology Business/Investment Analyst, Business Analyst, Business Development Officer, Cell Biologist, Civil Engineer, Contract Administrator, Financial Advisor/Analyst, Government Officer, International Business Specialist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mathematician, Microbiologist, Policy Officer, Public Servant, Scientist, Social Scientist, Urban Designer, Visual Artist, Web Designer.

Master of Research and Development Management (IX99)

Year offered: 2009

Admissions: Yes

Course duration (full-time): 3 semesters.

Course duration (part-time): 6 semesters.

International Fees (per semester): 2009: \$9,200 per semester (*subject to annual review*)

International Fees (indicative): 2009: \$10,400 per semester

Course coordinator: Professor Rod Wissler

Campus: Internet

Entry Requirements

The minimum entry requirement for this course is a four year undergraduate degree or three years plus either an honours year or postgraduate coursework year in any discipline. Applicants who do not meet these academic requirements may be eligible to enter the course on the basis of professional activities completed in research management, research commercialisation or related fields that satisfies the course coordinator.

Course structure

IFP110	
IFP100	Knowledge Transfer and Research Commercialisation
IFP101	Leadership and Workplace Communication
IFP102	Research Project Management
IFP103	Public Policy and Research
IFP104	Entrepreneurial Foundations
IFP105	Principles and Practice of Research and Development Management
IFP106	Managing Research Careers
IFP107	Global Sustainability
IFP108	Strategic Issues in Research and Development Management
IFP109	Contexts for Research and Development Management
IFP110	Research & Development Management Project 1
IFP111	Research & Development Management Project 1

Potential Careers:

Academic, Administrator, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnology Business/Investment Analyst, Business Analyst, Business Development Officer, Cell Biologist, Civil Engineer, Contract Administrator, Financial Advisor/Analyst, Government Officer, International Business Specialist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mathematician, Microbiologist, Policy Officer, Public Servant, Scientist, Social Scientist, Urban Designer, Visual Artist, Web Designer.

Bachelor of Technology (Mechanical) Conversion Program (ME36)

Year offered: 2009

Admissions: No

CRICOS code: 020303G

Course duration (part-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,188 (indicative) per semester

Domestic Entry: February

International Entry: February

QTAC code: 412543

Past rank cut-off: 93. Admission to course is based on special entry requirements in addition to a rank. Please refer to Special Entry Requirements.

Total credit points: 288 (including 144 cp advanced standing)

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Vladis Kosse

Campus: Gardens Point

Special Entry Requirements

Applicants must have completed an Advanced Diploma in Mechanical Engineering (or equivalent qualification) or a Bachelor of Science in an appropriate discipline.

Career Outcomes

Graduates from this degree may work closely with professional engineers and be involved in using advanced computer skills for technical analysis and detailed design, or administration. This degree was developed in direct response to industry needs and there is a strong focus on the employability of graduates in the practical, hands-on approach to subjects. The BTech is an alternative route for those wishing to continue study to professional engineer level. Graduates may commence in a design office doing calculations and preparing technical drawings from which final designs/systems will be constructed. Other areas of employment include the manufacturing sector, concerned with the organisation and maintenance of manufacturing facilities and the quality assurance and control of products. Graduates may be responsible for commissioning and managing staff and/or overseeing the operations of significant engineering plants such as mining, sugar mills, dairy factories and food processing operations.

Overview

This course builds on the practical skills gained through the TAFE Advanced Diploma by providing students with higher level theoretical knowledge, supported by laboratory and practical sessions. Subjects include design, manufacturing, materials, mechanical engineering sciences, and management.

Professional Recognition

This course has been accredited by Engineers Australia. Graduates are eligible for affiliate membership, providing them with official recognition as an engineering technologist. The three-year degree is recognised by the Singapore Institute of Engineering Technologists.

Additional Information

Candidates with an Advanced Diploma in Mechanical Engineering (or equivalent) or a relevant tertiary qualification (eg. Bachelor of Science or CAE Diploma in Mechanical Engineering) will automatically receive credit of 144 credit points.

Part-time Study

Prospective part-time students for this degree should be aware that they may need 9 to 12 hours release from their employment.

Special Course Requirements

Students must obtain at least 50 days of industrial experience with a minimum of 25 days in a engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Full-time course structure

Year 2 - Semester 1

ENB316	Design of Machine Elements
ENB331	Materials and Manufacturing 2
MGB207	Human Resource Issues and Strategy
MMB302	Project 2T

Part-time course structure

Year 2 - Semester 1

ENB105	Electrical and Computer Engineering
ENB331	Materials and Manufacturing 2

Year 2 - Semester 2

ENB201	Fluid Mechanics
ENB222	Thermodynamics 1

Year 3 - Semester 1

ENB316	Design of Machine Elements
MGB207	Human Resource Issues and Strategy

Year 3 - Semester 2

ENB317	Design and Maintenance of Machinery
MMB302	Project 2T

Potential Careers:

Engineering Technologist, Mechanical Engineer.

Advanced Diploma in Engineering (Mechanical)/Bachelor of Technology (Mechanical) (ME37)

Year offered: 2009

Admissions: No

Course duration (full-time): 3 years

Domestic fees (indicative): 2009: CSP \$3,188 (indicative) per semester

Domestic Entry: February

QTAC code: This course is no longer offered

Past rank cut-off: 52 BNIT-Gateway; 50 MIT-Mt Gravatt; 50 YIT-Yeronga

Past OP cut-off: 22 BNIT-Gateway; 24 MIT-Mt Gravatt; 24 YIT-Yeronga

Total credit points: 288 (including 120 cp advanced standing)

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Vladis Kosse

Campus: Gardens Point

Course Availability

This course is not taking new admissions/enrolments. Articulation from the TAFE to QUT for existing dual TAFE/QUT award students will be accepted up until semester one, 2008.

Entry Requirements

Applicants must apply via QTAC and satisfy the entry requirements for the Advanced Diploma in Engineering (Mechanical) at Brisbane North Institute of TAFE, Moreton Institute of TAFE and Yeronga Institute of TAFE.

Dual TAFE/QUT Awards

This dual award is a cooperative arrangement between QUT, the Brisbane North Institute of TAFE and Metropolitan South Institute of TAFE. It is a specially designed course offering a two-year Advanced Diploma at the participating TAFE institutes followed by a third year at QUT to qualify for a Bachelor of Technology degree. In their second year students study units from both QUT and TAFE.

Career Outcomes

Technologists may work closely with professional engineers and be involved in using advanced computer skills for technical analysis and detailed design, or administration. Other areas of employment included the manufacturing sector concerned with the organisation and maintenance of manufacturing facilities and the quality assurance and control of products.

Professional Recognition

This course has provisional accreditation from Engineers Australia (EA).

Special Course Requirements

Students must obtain at least 50 days of industrial experience with a minimum of 25 days in a engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Course structure

Year 2 - Semester 1 - TAFE/QUT

EA790	Manufacturing Processes
NE160	Electrical Principles
ENB231	Materials and Manufacturing 1
MAB132	Engineering Mathematics 2A OR
MAB182	Engineering Mathematics 2B Elective

Year 2 - Semester 2 - TAFE/QUT

EB771	Advanced Dynamics
EA060	Engineering Design Concepts
EB704	Mechanical Design
ENB102	Engineering Mechanics 2
ENB103	Electrical Engineering
MAB101	Statistical Data Analysis 1

Year 3 - Semester 1 - QUT

ENB105	Electrical and Computer Engineering
ENB316	Design of Machine Elements
ENB331	Materials and Manufacturing 2
MMB300	Project 2T

Year 3 - Semester 2 - QUT

ENB201	Fluid Mechanics
ENB222	Thermodynamics 1
ENB317	Design and Maintenance of Machinery
BSB115	Management
	Students may choose to take EEB781 (Semester 1) instead of BSB115.

Note

BSB, ENB, MAB, and MMB units = QUT units.

Potential Careers:

Mechanical Engineer, Technical Officer.

Bachelor of Engineering (Infomechatronics) (ME40)

Year offered: 2009

Admissions: No

CRICOS code: 037550J

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Additional Admission Information

The ME40 Bachelor of Engineering (Infomechatronics) course has been replaced by EN40 Bachelor of Engineering (Infomechatronics) from 2006 onwards. There will be no intake into the ME40 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

This leading edge degree provides graduates with the combined skills of mechanical engineering, electrical and electronic engineering and information technology to work in the high tech fields of automated systems and robotics for the design, development, construction and service of modern equipment and plant. Graduates from this degree may expect to find employment as consultants, project managers, designers, and maintenance and instrumentation engineers in a wide variety of work situations. The range of employment opportunities is diverse and extensive. Some typical examples of organisations may include: manufacturing plants of consumer products, computer peripherals manufacturers/maintenance companies, automobile manufacturing industries, large scale manufacturing/maintenance industries such as Boeing, instrumentation industries, communication companies, research organisations, food and food processing industries and software development companies.

Overview

This course bridges the three, traditionally separate, disciplines of Mechanical Engineering, Electrical and

Electronic Engineering, and Computing and provides the combined skills required for the design, development, construction and service of modern systems and equipment. Advanced units emphasis the integration of knowledge and skills that impact on all aspects of the design, construction and service of modern computer controlled machines. In the final year a one-semester industry project will integrate and reinforce what has been learned through application in a real world setting.

Professional Recognition

This course has provisional accreditation from Engineers Australia (EA).

Special Course Requirements

Students must obtain at least 60 days of industrial work experience in an engineering environment approved by the course coordinator.

Articulation to Masters

Subject to University approval, students achieving a minimum performance criteria at the end of year 3 of the Bachelor of Engineering course, may be eligible to study two Master of Engineering Science or Master of Engineering Management units as electives. After successfully completing the Bachelor of Engineering course, students eligible to enrol in the Master of Engineering Science or Master of Engineering Management courses can then have these two units credited towards the Masters Program.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Manager, Manufacturer, Mechanical Engineer.

Bachelor of Engineering (Mechanical) (ME41)

Year offered: 2009

Admissions: No

CRICOS code: 003490G

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,188 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February (July entry available to students entering with Advanced Standing)

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Additional Admission Information

The ME41 Bachelor of Engineering (Mechanical) course has been replaced by EN40 Bachelor of Engineering (Mechanical) from 2006 onwards. There will be no intake into the ME41 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career outcomes

The Bachelor of Engineering (Mechanical) provides a sound education in the basic engineering sciences, synthesis and design, engineering management functions, and the social, economic and ethical aspects of engineering practice. Graduates from this degree may find employment in a variety of roles: consultant, project manager or technical adviser where they may be involved in the operation of large, integrated energy-based plants such as mining, power stations, sugar factories, oil refineries etc. Others may work under the guidance of more experienced staff selecting equipment, installing and commissioning plants. Some graduates will go into design offices or manufacturing plants where they will be concerned principally with the logistics of production and the efficient management of people and systems.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical

experience in real world problem solving and application of theory to suit industry needs.

Engineering Management Major

Students enrolled in the Bachelor of Engineering (Mechanical) have the opportunity to undertake a major in Engineering Management during the final two years of their degree. Students wishing to undertake the major should consult the course coordinator.

Professional Recognition

Graduates meet the requirements for membership of Engineers Australia, the Singapore Professional Engineers Board and the Lembaga Jurutera (Board of Engineers) Malaysia. The course is also professionally recognised by the Hong Kong Institution of Engineers, the UK Institution of Mechanical Engineers, the Institution of Professional Engineers, New Zealand, and the Institution of Engineers, Ireland. The Indonesian Directorate of Higher Education accredit the course as equivalent to the appropriate Indonesian degree.

Minors

Subject to the approval of the Course Coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Mid-year Entry

The ME42 Bachelor of Engineering (Mechanical) midyear course has been replaced by EN40 Bachelor of Engineering (Mechanical) from 2006 onwards. There will be no midyear intake into the ME42 course in 2007 with the exception of QTAC applicants commencing their studies with at least 168 credit points of advanced standing (academic credit).

If offered a place, you may be are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Special course requirements

A candidate for the degree of Bachelor of Engineering (Mechanical) must complete at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Mechanical Engineer.

Bachelor of Engineering (Mechanical) Conversion Program from Bachelor of Technology ME36/ME37 (ME41)

Year offered: 2009

Admissions: No

CRICOS code: 003490G

Course duration (full-time): 1.5 years

Domestic fees (indicative): 2009: CSP \$3,188 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February (July entry available to students entering with Advanced Standing)

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 144

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Entry Requirements

Bachelor of Technology (Mechanical) from QUT. Applications are made using an I-form for the semester immediately after completion of ME36/37. Students wishing to enter at a later date must apply for the Bachelor Engineering (Mechanical) via QTAC.

Career Options

The Bachelor of Engineering (Mechanical) provides a sound education in the basic sciences, engineering sciences, engineering synthesis and design, the interrelationship between engineering and various management functions, and the social, economic and ethical aspects of engineering practice. Graduates from this degree may expect to find employment in a variety of roles: consultant, project manager, technical adviser. Some are given their initial graduate training in areas where they learn the operating characteristics and expected performance of large, integrated energy-based plants such as mining, power stations, sugar factories, oil refineries etc. Others work under the guidance of more experienced staff where they must select equipment, negotiate with suppliers and install and commission plants. Some graduates will go into design offices dealing with air conditioning and refrigeration systems, steam boilers and associated large materials handling plants. Those who go into manufacturing plants will be concerned principally with the logistics of production and the efficient management of people and systems.

Overview

This degree builds on the Bachelor of Technology and offers a balanced mix of theory and practice with the objective of preparing graduates for work as engineers. Students will continue their studies to include more in-depth study of mechanical engineering sciences including hands-on, practical experience in real world problem solving and

application of theory to suit industry needs.

Professional Recognition

This degree is recognised for the purpose of membership of Engineers Australia. It is professionally recognised by the Hong Kong Institution of Engineers, the UK Institution of Mechanical Engineers, the Institution of Professional Engineers, New Zealand, and the Institution of Engineers, Ireland. Graduates meet the requirements for membership of the Singapore Professional Engineers Board, and the Lembaga Jurutera (Board of Engineers) Malaysia. The course is also accredited by the Indonesian Directorate of Higher Education as equivalent to the appropriate Indonesian degree.

Further information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Engineering Technologist, Mechanical Engineer, Technical Officer.

Bachelor of Engineering (Mechanical) (ME42)

Year offered: 2009

Admissions: No

Domestic fees (indicative): 2009: CSP \$3,188 (indicative)
per semester

Bachelor of Engineering (Medical) (ME48)

Year offered: 2009

Admissions: No

CRICOS code: 003490G

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,706 (indicative) per semester

International Fees (per semester): 2009: \$11,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412502; Dfee: 412506

Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Course coordinator: Dr R.Mahalinga-Iyer

Discipline coordinator: Dr Gary Chadwick

Campus: Gardens Point

Additional Admission Information

The ME48 Bachelor of Engineering (Medical) course has been replaced by EN40 Bachelor of Engineering (Medical) from 2006 onwards. There will be no intake into the ME48 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Medical engineering integrates physical, chemical, mathematical, and computational sciences and engineering principles to study human biology, medicine, human behaviour and health. The Bachelor of Engineering (Medical) provides the skills to design, manufacture, install, monitor and maintain medical and surgical equipment and to provide advice on engineering matters to medical and allied staff. Graduates from this degree may expect to find employment in hospitals as advisors to health and medical professionals, in firms concerned with the design, manufacture, supply and maintenance of medical, health and sporting equipment, occupational health agencies and in research institutions. In the early stages of their careers biomedical engineers might expect to be involved in the innovative use of technology, in the design of new devices and the assessment of appropriate engineering solutions to medical problems. More experienced biomedical engineers manage Biomedical Engineering Departments in hospitals and manufacturing companies and lead teams of engineers and technologists in the development of engineering solutions to improve health care.

Overview

This course provides students with the skills of mechanical engineering technology and the knowledge of the human body to design, manufacture and maintain equipment and aids for the medical, rehabilitation and sports environments. Students can choose electives such as physiology, rehabilitation psychology and robotics in health care. Current issues such as total quality management and health legislation are also covered. In the final year, students undertake a design project in the biomedical field.

Professional Recognition

This course is accredited by Engineers, Australia (EA).

Special Course Requirements

Students must obtain at least 60 days of industrial employment in an engineering environment approved by the course coordinator. Half of this experience must be in an industry related to Biomedical Engineering.

Articulation to Masters

Subject to University approval, students achieving a minimum performance criteria at the end of year 3 of the Bachelor of Engineering course, may be eligible to study two Master of Engineering Science or Master of Engineering Management units as electives. After successfully completing the Bachelor of Engineering course, students eligible to enrol in the Master of Engineering Science or Master of Engineering Management courses can then have these two units credited towards the Masters Program.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3138 1516, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Bioengineer, Biomedical Engineer, Medical Engineer, Rehabilitation Engineer.

Master of Engineering Management (ME76)

Year offered: 2009

Admissions: No

CRICOS code: 006368G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Achilles Leontakianakos (Course Leader)

Campus: Gardens Point

Overview

This course combines training in engineering management with advanced elective studies in related fields. It is suitable for those seeking to obtain a formal qualification in management while advancing engineering skills and knowledge. The core units provide an opportunity for postgraduate studies in engineering management, and the elective units allow specialisation in manufacturing and/or maintenance engineering.

Entry Requirements

A bachelor degree in engineering (or its equivalent).

Course Structure

Masters students take eight units or 96 credit points. Units MEN172, MEN177, and MEN280 are normally compulsory, but may be substituted with the approval of the courses coordinator if the student has adequate prior knowledge in the relevant field. With approval of the Course Coordinator students can take up to two graduate level electives from other disciplines.

International Student Entry

QUT advises that International students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Master of Engineering Science (Mechanical Engineering Studies) (ME80)

Year offered: 2009

Admissions: No

CRICOS code: 042261J

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 96

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Achilles Leontakianakos (Course Leader)

Campus: Gardens Point

Entry Requirements

A Bachelor of Engineering degree with honours in Mechanical Engineering OR equivalent, with a grade point average of at least 5 on a 7-point scale.

Course Structure

The flexible Master of Engineering Science (Mechanical Engineering Studies) program allows students to choose 3 units from a common pool of units offered by all the Engineering Schools (Band 1). A band of Mechanical Engineering units is then offered from which students choose 3 (Band 2). Any units from Band 1 could also be chosen for Band 2 provided that they come from the School of Mechanical, Manufacturing and Medical Engineering. Mechanical Engineering Specialised units allow students to undertake study in the areas of Medical Engineering, Infomechatronics, Engineering Management and general mechanical engineering , such as tribology, maintenance, manufacturing etc. Band 3 requires enrolment in a Mechanical Engineering Project (equivalent to 24 credit points).

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Mechanical Engineer.

Bachelor of Surveying (PS47)

Year offered: 2009

Admissions: No

CRICOS code: 016354J

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,568 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412532; Dfee: 412536

Past rank cut-off: 72. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.

OP Guarantee: Yes

Total credit points: 384

Course coordinator: Dr John Hayes

Discipline coordinator: Mr Robert Webb

Campus: Gardens Point

Additional Admission Information

The PS47 Bachelor of Surveying course has been replaced by UD40 Bachelor of Urban Development (Spatial Science) from 2006 onwards. There will be no intake into the PS47 course in 2007 with the exception of QTAC applicants commencing their studies with at least 168 credit points of advanced standing (academic credit); i.e. those students who will be starting in the third year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period. After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Surveyors assess geographic and land information for implementing appropriate administration for the land, sea and related structures. All levels of government, private practice and multi-national companies, statutory authorities or semi-government agencies employ them. Graduates have the opportunity to travel as the degree is readily accepted overseas. After some years of experience they may become managers or specialise. Surveyors may also work in one of the related fields such as geographic information systems, remote sensing or photogrammetry.

Overview

The Bachelor of Surveying degree is a broad-based course. The first year is a foundation year designed to prepare students to deliver practical solutions to problems involving spatial information and decision-making. Students study foundation units such as mathematics, physics, computing skills, environmental science as well as surveying in their first

year. In the following years the areas covered are geodetic and control surveying, topographic mapping, photogrammetry, mine surveying, hydrographic surveying, land development design and geographic information systems.

Professional Recognition

Australia: The Bachelor of Surveying degree meets the requirements for membership of The Spatial Science Institute (Incorporating the Institution of Surveyors, Australia, the Institution of Engineering and Mining Surveyors, Australia and the Mapping Sciences Institute, Australia).

Overseas: Surveying graduates are readily accepted internationally.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Special Course Requirements

Students are required to attend compulsory field practicals off-campus in the Moreton Region and have access to an advanced scientific calculator for use during the course. Students must obtain at least 90 days of industrial experience/practice in a surveying/mapping environment, approved by the course coordinator.

Further Information

Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT's deferment policy does not apply to this course.

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Coordinator regarding their remaining course program.

Potential Careers:

Mapping Scientist/Photogrammetrist, Surveyor.

Graduate Diploma in Landscape Architecture (PS66)

Year offered: 2009

Admissions: No

CRICOS code: 003478D

Course duration (full-time): 1 year BBlT Env (L'scape Arch) graduates; 2 years other graduates

Course duration (part-time): 2 years BBlT Env (L'scape Arch) graduates; 4 years (other graduates)

Domestic fees (indicative): 2009: CSP \$3,721 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

Total credit points: 192

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Entry Requirements

A bachelor degree or three-year diploma, or equivalent professional qualification with a minimum Grade Point Average of 4.5. Applicants entering this course from non-design qualifications require basic skills in design/perception theory, freehand and technical graphics.

In order to be considered for entry to either the Graduate Diploma or Masters courses, applicants must complete:

1. Application for Admission form
2. A personal statement in which the applicant demonstrates an understanding of the profession and the guiding belief systems of landscape architecture and shows the applicant's potential to 'fit' within this profession.
3. An Illustrated Autobiography - a concise self-expose which shows, in a combination of words and graphics, the applicant's life and interests. The objective is to give an insight into the applicant and demonstrate an aptitude for design as the core activity of the profession. This document is not a resume or curriculum vitae. It will be in A3 format and is not to exceed five pages. These documents are to be forwarded to the course coordinator.

Overview

Landscape architecture is concerned with the ordered design of open space at all scales: the appearance, atmosphere, and suitability of environment to assure its health and welfare and that of its inhabitants. Course covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work. In the Graduate Diploma you complete a program similar to the first two years of the Masters program.

Professional recognition

This course is professionally recognised by the Australian Institute of Landscape Architects

International Student Entry

QUT advises that International Students may only enrol in full-times studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

SPECIAL NOTE

Any BN31 (L'scapeArch) graduate (from 1997-2007) can apply for the final offering (Sem 1 2008) of the Graduate Diploma in Landscape Architecture.

Part-Time Course Structure*

Foundation Level Studies

Year 2 - Semester 1

DLB310 Landscape Design 3

DLB330 Landscape Ecology

Year 2 - Semester 2

DLB410 Landscape Design 4

DLB430 Landscape Construction 1

Professional Level Studies

Year 3 - Semester 1

(Entry for Bachelor of Built Environment - Landscape Architecture graduates)

2 Electives*

*Student to consult course coordinator for appropriate unit choices.

Year 3 - Semester 2

DEB601 Collaborative Design

DLB630 Landscape Construction 3

Year 4 - Semester 1

DLB710 Landscape Design 6

DLB730 Landscape Design 7

Year 4 - Semester 2

DLB810 Landscape Planning and Policy

DLB830 Landscape Design 8

Potential Careers:

Landscape Architect.

Master of Urban and Regional Planning (PS70)

Year offered: 2009

Admissions: No

CRICOS code: 020299K

Course duration (full-time): 1.5 years for Bachelor of Built Environment graduates; 2 years for other graduates

Course duration (part-time): 75% progression: 2 years for Bachelor of Built Environment graduates; 2.5 years for other graduates/50% progression: 2.5 years for Bachelor of Built Environment graduates; 3.5 years for other graduates

Domestic fees (indicative): 2009: CSP \$3,701 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 216

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)

Campus: Gardens Point

Overview

Students develop the knowledge, skills and social awareness to become successful urban and regional planners. The course is structured around a core of planning practice and method. Contributions from theory and activity studies are integrated with this core at each stage and set within the broader socio-economic and political contexts. Flexible teaching methods include lectures, projects, workshops, seminars and field studies. In each of the last three years student projects have been awarded top planning Institute awards at State and National levels.

Entry Requirements

A bachelor degree or equivalent is required. Applicants entering this course from non-design qualifications gain basic skills in design/perception theory, and planning graphics. A two-module Summer unit is available for this purpose. Computer literacy skills are also provided for those requiring them.

Applicants without planning or related qualifications undertake a Foundation Course of six units within the course of 2 years or part time equivalent, including a Summer Semester. These requirements may be reduced by academic credit based on previous studies. A limited number of special entry places are available in the Foundation Course for suitably experienced non-graduates. Special entry includes written and oral examinations and references.

Course Structure

The course offers a variety of structures, including full-time (100% and 75% progression rates) and part-time programs (50% progression rate). Normal entry to the course is in Semester 1 or Summer Semester, though Foundation

Studies entrants may, in special circumstances, be admitted in Semester 2.

Professional recognition

This course is professionally accredited by the Planning Institute of Australia

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Full-Time Course Structure

Structure for non BBE graduates

Year 1 - Semester 1

DBP403 Design Communication

DBP406 Computer Applications in Planning

Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.

DBP401 Urban Design and Site Analysis

DBP402 Planning Processes

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

Year 1 - Semester 2

DBP404 Economic and Social Foundations of Planning

DBP408 Planning Implementation and Law

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

Year 2 - Semester 1

DBP407 Environmental Planning and Management

DBP411 Community Planning

DBP412 Planning Theory and Ethics

DBP415 Professional Practice or Research Project

Year 2 - Semester 2

DBP501 Specialisation

DBP502 Professional Practice or Research Dissertation

DBP503 Masters Seminar

Structure for BBE graduates

Year 1 - Semester 1

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

DBP411 Community Planning

DBP412 Planning Theory and Ethics

Year 1 - Semester 2

DBP413	Regional Planning Practice
DBP414	Regional and Metropolitan Policy
DBP415	Professional Practice or Research Project
DBP503	Masters Seminar

Year 2 - Semester 1

DBP501	Specialisation
DBP502	Professional Practice or Research Dissertation

Part-Time Course Structure - 50% Progression Rate**Structure for non BBE graduates****Year 1 - Semester 1**

DBP403	Design Communication
DBP406	Computer Applications in Planning
Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.	
DBP401	Urban Design and Site Analysis
DBP402	Planning Processes

Year 1 - Semester 2

DBP404	Economic and Social Foundations of Planning
DBP408	Planning Implementation and Law

Year 2 - Semester 1

DBP409	Urban Planning Practice
DBP410	Research Methods in Planning

Year 2 - Semester 2

DBP413	Regional Planning Practice
DBP414	Regional and Metropolitan Policy

Year 3 - Semester 1

DBP407	Environmental Planning and Management
DBP411	Community Planning
DBP412	Planning Theory and Ethics

Year 3 - Semester 2

DBP415	Professional Practice or Research Project
DBP503	Masters Seminar

Year 4- Semester 1

DBP501	Specialisation
DBP502	Professional Practice or Research Dissertation

Structure for BBE graduates**Year 1 - Semester 1**

DBP409	Urban Planning Practice
DBP410	Research Methods in Planning

Year 1 - Semester 2

DBP413	Regional Planning Practice
DBP414	Regional and Metropolitan Policy

Year 2 - Semester 1

DBP411	Community Planning
DBP412	Planning Theory and Ethics

Year 2 - Semester 2

DBP415	Professional Practice or Research Project
DBP503	Masters Seminar

Year 3 - Semester 1

DBP501	Specialisation
DBP502	Professional Practice or Research Dissertation

Course Structure - 75% Progression Rate**Structure for non BBE graduates****Year 1 - Semester 1**

DBP403	Design Communication
DBP406	Computer Applications in Planning
Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.	
DBP401	Urban Design and Site Analysis
DBP402	Planning Processes
DBP410	Research Methods in Planning

Year 1 - Semester 2

DBP404	Economic and Social Foundations of Planning
DBP408	Planning Implementation and Law
DBP414	Regional and Metropolitan Policy

Year 2 - Semester 1

DBP407	Environmental Planning and Management
DBP409	Urban Planning Practice
DBP412	Planning Theory and Ethics

Year 2 - Semester 2

DBP413	Regional Planning Practice
DBP415	Professional Practice or Research Project
DBP503	Masters Seminar

Year 3 - Semester 1

DBP411	Community Planning
DBP501	Specialisation
DBP502	Professional Practice or Research Dissertation

Structure for BBE graduates**Year 1 - Semester 1**

DBP409	Urban Planning Practice
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DBP410 Research Methods in Planning

DBP412 Planning Theory and Ethics

Year 1 - Semester 2

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

DBP415 Professional Practice or Research Project

Year 2 - Semester 1

DBP411 Community Planning

DBP501 Specialisation

Year 2 - Semester 2

DBP502 Professional Practice or Research Dissertation

DBP503 Masters Seminar

Potential Careers:

Urban and Regional Planner.

Master of Landscape Architecture (PS71)

Year offered: 2009

Admissions: No

CRICOS code: 020301K

Course duration (full-time): 1 year plus 1 year part-time Built Environment (Landscape Architecture) graduates or equivalent; 2 years plus 1 year part-time (Other graduates)

Course duration (part-time): 3 years Built Environment (Landscape Architecture); 5 years (Other graduates)

Domestic fees (indicative): 2009: CSP \$3,701 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 228 (excluding any Masters qualifying units)

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)

Campus: Gardens Point

Entry Requirements

A bachelor degree, or equivalent professional qualification, with a minimum grade point average of 5.

Applicants entering this course from non-design qualifications require basic skills in design/perception theory, freehand and technical graphics.

In order to be considered for entry to either the Graduate Diploma or Masters courses, applicants must complete:

- * Application for Admission form as well as the following which should be forwarded direct to the course coordinator.
- * Position Statement - a personal statement (1 x A4 typed page) in which the applicant demonstrates an understanding of the profession and the guiding belief systems of landscape architecture and shows the applicant's potential to 'fit' within this profession.
- * Illustrated Autobiography - a concise self-expose which shows, in a combination of words and graphics, the applicant's life and interests. The objective is to give an insight into the person making the application and to demonstrate an aptitude for design as the core activity of the profession. This document is not a resume or curriculum vitae, nor is it a folio of previous work experience. It will be in A3 format and is not to exceed five pages.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Overview

Landscape architecture is concerned with the ordered design of open space at all scales: the appearance, atmosphere, and suitability of environment to assure its

health and welfare and that of its inhabitants. Your course covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work.

Professional Recognition

Professional accreditation for the course has been granted by the Australian Institute of Landscape Architects.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Landscape Architect.

Graduate Diploma in Urban and Regional Planning (PS72)

Year offered: 2009

Admissions: No

CRICOS code: 003477E

Course duration (full-time): 1 year for Bachelor of Built Environment graduates; 1.5 years for other graduates

Course duration (part-time): 75% progression: 1.5 years for Bachelor of Built Environment graduates; 2 years for other graduates/50% progression: 2 years for Bachelor of Built Environment graduates; 2.5 years for other graduates

Domestic fees (indicative): 2009: CSP \$3,700 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.

Total credit points: 168

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)

Campus: Gardens Point

Entry Requirements

A bachelor degree or equivalent is required. Applicants entering this course from non-design qualifications require basic skills in design/perception theory, planning graphics. A two-module full-fee paying Summer unit is available for this purpose. Computer literacy is also required.

Applicants without planning or related qualifications undertake a Foundation Course of up to six units within the Course of 1.5 years or part-time equivalent including an introductory Summer Semester. These requirements may be reduced by academic credit based on previous studies. A limited number of special entry places are available in the Foundation Course for suitably experienced non-graduates. Special entry includes written and oral examinations and references.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Overview

Students develop the knowledge, skills and social awareness to become successful urban and regional planners. The course is structured around a core of planning practice. Contributions from theory, method and activity studies are integrated with this core at each stage and set within the broader socio-economic and political contexts. Flexible teaching methods include lectures, as well as projects, workshops, seminars and field studies.

Professional Recognition

This course is professionally accredited by the Planning Institute of Australia.

Course Structure

The course offers a variety of structures, including full-time (100% and 75% progression rate) and part-time programs (50% progression rate). Normal Entry to the Course is in Semester 1 or Summer Semester, though Foundation Studies entrants may, in special circumstances, be admitted in Semester 2.

SPECIAL NOTE

Any BN31 (Urb&RegPlan) graduate (from 1997-2007) can apply for the final offering (Sem 1 2008) of the Graduate Diploma in Urban and Regional Planning.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Full-Time Course Structure

Structure for non BBE graduates

Year 1, Semester 1

DBP403 Design Communication

DBP406 Computer Applications in Planning

Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.

DBP401 Urban Design and Site Analysis

DBP402 Planning Processes

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

Year 1, Semester 2

DBP404 Economic and Social Foundations of Planning

DBP408 Planning Implementation and Law

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

Year 2, Semester 1

DBP407 Environmental Planning and Management

DBP411 Community Planning

DBP412 Planning Theory and Ethics

DBP415 Professional Practice or Research Project

Structure for BBE graduates

Year 1 - Semester 1

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

DBP411 Community Planning

DBP412 Planning Theory and Ethics

Year 1- Semester 2

- DBP413 Regional Planning Practice
- DBP414 Regional and Metropolitan Policy
- DBP415 Professional Practice or Research Project

Part-time Course Structure

Structure for non BBE graduates

Year 1, Semester 1

- DBP403 Design Communication
- DBP406 Computer Applications in Planning
Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.
- DBP401 Urban Design and Site Analysis
- DBP402 Planning Processes

Year 1, Semester 2

- DBP404 Economic and Social Foundations of Planning
- DBP408 Planning Implementation and Law

Year 2, Semester 1

- DBP409 Urban Planning Practice
- DBP410 Research Methods in Planning

Year 2, Semester 2

- DBP413 Regional Planning Practice
- DBP414 Regional and Metropolitan Policy

Year 3, Semester 1

- DBP407 Environmental Planning and Management
- DBP411 Community Planning
- DBP412 Planning Theory and Ethics

Year 3, Semester 2

- DBP415 Professional Practice or Research Project

Structure for BBE graduates

Year 1 - Semester 1

- DBP409 Urban Planning Practice
- DBP410 Research Methods in Planning

Year 1 - Semester 2

- DBP413 Regional Planning Practice
- DBP414 Regional and Metropolitan Policy

Year 2 - Semester 1

- DBP411 Community Planning
- DBP412 Planning Theory and Ethics

Year 2 - Semester 2

- DBP415 Professional Practice or Research Project

75% Progression Rate Course Structure

Structure for non BBE graduates

Year 1, Semester 1

- DBP403 Design Communication
- DBP406 Computer Applications in Planning
Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.
- DBP401 Urban Design and Site Analysis
- DBP402 Planning Processes
- DBP409 Urban Planning Practice
- DBP410 Research Methods in Planning

Year 1, Semester 2

- DBP404 Economic and Social Foundations of Planning
- DBP408 Planning Implementation and Law
- DBP414 Regional and Metropolitan Policy

Year 2, Semester 1

- DBP407 Environmental Planning and Management
- DBP411 Community Planning
- DBP412 Planning Theory and Ethics

Year 2, Semester 2

- DBP413 Regional Planning Practice
- DBP415 Professional Practice or Research Project

Structure for BBE graduates

Year 1, Semester 1

- DBP409 Urban Planning Practice
- DBP410 Research Methods in Planning
- DBP412 Planning Theory and Ethics

Year 1, Semester 2

- DBP413 Regional Planning Practice
- DBP414 Regional and Metropolitan Policy
- DBP415 Professional Practice or Research Project

Year 2, Semester 1

- DBP411 Community Planning

Potential Careers:

Urban and Regional Planner.

Graduate Certificate in Planning Studies (PS82)

Year offered: 2009

Admissions: No

CRICOS code: 040336M

Course duration (full-time): 1 semester

Course duration (part-time): 2 semesters

Domestic fees (indicative): 2009: Full fee tuition \$6,750 (indicative) per semester

Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.

Total credit points: 48

Course coordinator: Professor Jay Yang (Please refer all course enquiries to Course Leader.)

Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)

Campus: Gardens Point

Entry Requirements

To be eligible for admission, an applicant must have:

- a recognised tertiary degree in any discipline requiring at least three years' full time study or its equivalent, or
- other documented qualifications and experience considered to be equivalent by the Head of School of Urban Development. Applicants may be required to attend an interview, or sit an examination, as part of the selection process.

Overview

The Planning Certificate is intended to provide an introduction to planning method and practice for people engaged in planning activities in government and the community, as well as being a convenient refresher course for professional planners in the latest developments in community planning theory and practice.

Students wishing to use the Graduate Certificate as a refresher or introductory course, may select any four units offered in the Graduate Diploma in Urban and Regional Planning. Full-time is one semester (48cp); part-time is 2 semesters (48cp). Please see course structure for a recommended program.

Course Structure

An overview of current planning methods is presented in Planning Processes and applied in Urban Analysis and Design and Planning Implementation. These method and practice units are accompanied by opportunity for focused study within the Elective unit, chosen in discussion with the course coordinator.

Professional Recognition

This course is registered with the Planning Institute of Australia (formerly RAPI) as a recognised Continuing Professional Development Course rated at ten credit points.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Special Note

This course has been discontinued. Any remaining students should seek advice from the Course Leader regarding their remaining course program.

Potential Careers:

Urban and Regional Planner, Urban Designer.

Accelerated Foundation (QC01)

Year offered: 2009

Admissions: Yes

CRICOS code: 065046D

Course duration (full-time): 1 semester

International Fees (per semester): 2009: \$7,210 per semester (*subject to annual review*)

International Entry: February, June and October

Total credit points: 60

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements- Academic

Successful completion of senior high school with the required grades.

Students who have attempted further schooling studies, eg GCE A-levels or equivalent may be considered for entry. Applications will be reviewed individually and applicants will need to meet subject prerequisites. Students can find more country specific entry requirements at the following web site. <http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp>

Entry Requirements - English Language

IELTS 6.0 with no sub-score less than 5.0 or TOEFL iBT Overall score of 80 (at least 18 in all bands) or TOEFL 550 (paper) or TOEFL 213 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description

The Foundation Program, which has intakes in February, June and October, provides pathways to QUT award programs (Diploma or Degree). Graduates enjoy a high placement rate in undergraduate courses at QUT and other Australian universities. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers. Some students may need intensive English language preparation at the College's English Language Programs prior to entering a Foundation Program.

Course completion

Students are required to gain **at least** a grade of 4 (Pass) in foall units.

Progression

Conditions of progressing to a guaranteed place in first year of a QUT degree :

- i) fulfil the Foundation course requirements,
- ii) gain a grade of at least 5 (Credit) in Academic English 2 (QCF212) [Built Environment and Engineering students require a grade of 4 (Pass) and SC45 Bachelor of Pharmacy and PH38 Bachelor of Applied Science â Medical Radiation Technology (Medical Imaging Technology) students require a grade of 6 (Distinction)], and
- iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6
Business - Required GPA 4.8
Creative Industries - Required GPA 4.4
Education - Required GPA 4.6
Engineering - Required GPA 4.6
Health - Human Services - Required GPA 4.2
Health (except Nutrition & Dietetics, Optometry, Psychology, Podiatry & Human Services) - Required GPA 4.6
Health - Nutrition & Dietetics - Required GPA 5.8
Health - Optometry - Required GPA 5.8
Health - Podiatry - Required GPA 5.8
Health - Psychology - Required GPA 5.0
Law (except Justice Studies) - Required GPA 4.8
Law - Justice Studies - Required GPA 4.2
Science & Technology (except IT, Pharmacy & Medical Imaging Technology) - Required GPA 4.6
Science & Technology - Information Technology - Required GPA 4.8
Science & Technology - Pharmacy & Medical Imaging Technology - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC01 - Foundation Program (Full Time course structure)

Semester One	
QCF211	Tertiary Preparation Studies 2
QCF212	Academic English 2
QCF256	Mathematics A2
	OR
QCF257	Mathematics B2
	OR
QCF260	Professional Studies
	+ TWO ELECTIVES from the following list
QCF122	Organisations And Management
QCF160	Introduction to Creativity
QCF220	Accounting 2
QCF221	Economics 2
QCF254	Physics
QCF255	Chemistry
QCF230	Information Processing
QCF252	Life Science
QCF270	International Perspectives
	null

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Business Analyst, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian

Federal), Police Officer (State), Policy Officer, Population Ecologist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Risk Manager, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

Standard Foundation (QC02)

Year offered: 2009

Admissions: Yes

CRICOS code: 065045E

Course duration (full-time): 2 semesters

International Fees (per semester): 2009: \$7,210 per semester (*subject to annual review*)

International Entry: February, June and October

Total credit points: 120

Standard credit points per full-time semester: 60

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements-Academic

Successful completion of senior high school with the required grades or successful completion of year 11 high school with very good grades. Students can find country specific entry requirements at the following web site. <http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp>

Entry Requirements - English Language

IELTS 5.5 with no sub-score less than 5.0 or TOEFL iBT Overall score of 69 (at least 18 in writing and reading and 17 or more in listening and speaking) or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description

The Foundation Program, which has intakes in February, June and October, provides pathways to QUT award programs (Diploma or Degree). Graduates enjoy a high placement rate in undergraduate courses at QUT and other Australian universities. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers. Some students may need intensive English language preparation at the College's English Language Programs prior to entering a Foundation Program.

Students who achieve excellent results in the first semester may have the opportunity to study up to two University Diploma units in their final semester for possible credit towards their degree course.

Course Completion

In order to complete course requirements, students must gain **at least** a grade of 4 (Pass) in all units.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6

Business - Required GPA 4.8

Creative Industries - Required GPA 4.4

Education - Required GPA 4.6

Engineering - Required GPA 4.6

Health - Human Services - Required GPA 4.2

Health (except Nutrition & Dietetics, Optometry, Psychology, Podiatry & Human Services) - Required GPA 4.6

Health - Nutrition & Dietetics - Required GPA 5.8

Health - Optometry - Required GPA 5.8

Health - Podiatry - Required GPA 5.8

Health - Psychology - Required GPA 5.0

Law (except Justice Studies) - Required GPA 4.8

Law - Justice Studies - Required GPA 4.2

Science & Technology (except IT, Pharmacy & Medical Imaging Technology) - Required GPA 4.6

Science & Technology - Information Technology - Required GPA 4.8

Science & Technology - Pharmacy & Medical Imaging Technology - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

Progression

Conditions of progressing to a guaranteed place in first year of a QUT degree :

- i) fulfil the Foundation course requirements,
- ii) gain a grade of at least 5 (Credit) in Academic English 2 (QCF212) [Built Environment and Engineering students require a grade of 4 (Pass) and SC45 Bachelor of Pharmacy and PH38 Bachelor of Applied Science â Medical Radiation Technology (Medical Imaging Technology) students require a grade of 6 (Distinction)], and
- iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

QC02 - Foundation Program

Semester One

QCF111 Tertiary Preparation Studies 1

QCF112 Academic English 1

QCF156 Mathematics A1

OR

QCF157 Mathematics B1

+ TWO ELECTIVES from the following list

QCF115 Foundation English

QCF120 Accounting 1

QCF121 Economics 1

QCF122 Organisations And Management

QCF153 Physical Sciences 1

QCF160 Introduction to Creativity

QCF252 Life Science

null

Note: There is no computing component in QCF115 for 13TP2 & 13TP3.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Semester Two

QCF211	Tertiary Preparation Studies 2
QCF212	Academic English 2
QCF256	Mathematics A2 OR
QCF257	Mathematics B2 OR
QCF260	Professional Studies +TWO ELECTIVES from the following list
QCF122	Organisations And Management
QCF160	Introduction to Creativity
QCF220	Accounting 2
QCF221	Economics 2
QCF254	Physics
QCF255	Chemistry
QCF230	Information Processing
QCF252	Life Science
QCF270	International Perspectives null

Approved diploma units (Business, IT or Creative Industries students only). Diploma units can only be taken under special circumstances and with the approval of the Course Coordinator.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Business Analyst, Cell Biologist, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Game Programmer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Contractor, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist,

English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Exploration Geologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Biologist, Forensic Chemist, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Lighting Designer, Lighting Technician, Luminaire Designer, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Mine Geologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Operations Manager, Optometrist, Organisational Communication Specialist, Pathology Scientist, Pharmaceutical Research Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Post-production specialist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Development, Property Economist, Property Management, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Research and Development Chemist, Risk Manager, Sales Person, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Lighting, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

Extended Foundation (QC04)

Year offered: 2009

Admissions: Yes

CRICOS code: 050167G

Course duration (full-time): 3 Semesters

International Fees (per semester): 2009: \$15,862 (full course fee) (*subject to annual review*)

International Entry: February

Total credit points: 132

Standard credit points per full-time semester: 13TP1 - 48CP, 13TP2 - 60CP, 13TP3 - 24CP

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements - Academic

Successful completion of senior high school with the required grades or successful completion of year 11 high school with very good grades. Students can find country specific entry requirements at the following web site. <http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp>

Entry Requirements - English Language

IELTS 5.5 with no sub-score less than 5.0 or TOEFL iBT Overall score of 69 (at least 18 in writing and reading and 17 or more in listening and speaking) or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description

The Extended Foundation Program (QC04), which has an intake in February, provides pathways to QUT award programs (Diploma or Degree). This pathway is designed for students who require additional support with language and adjustment to the Australian educational environment. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers.

Students who achieve excellent results in the first semester may have the opportunity to study up to two University Diploma units in their second semester for credit towards their degree course.

Course Completion

In order to complete the course requirements, students must gain **at least** a grade of 4 (Pass) in all units.

Progression

Conditions of progressing to a guaranteed place in first year of a QUT degree :

- i) fulfil the Foundation course requirements,
- ii) gain a grade of at least 5 (Credit) in Academic English 2 (QCF212) [Built Environment and Engineering students require a grade of 4 (Pass) and SC45 Bachelor of Pharmacy and PH38 Bachelor of Applied Science â Medical Radiation Technology (Medical Imaging Technology)

students require a grade of 6 (Distinction)], and iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6

Business - Required GPA 4.8

Creative Industries - Required GPA 4.4

Education - Required GPA 4.6

Engineering - Required GPA 4.6

Health - Human Services - Required GPA 4.2

Health (except Nutrition & Dietetics, Optometry, Psychology, Podiatry & Human Services) - Required GPA 4.6

Health - Nutrition & Dietetics - Required GPA 5.8

Health - Optometry - Required GPA 5.8

Health - Podiatry - Required GPA 5.8

Health - Psychology - Required GPA 5.0

Law (except Justice Studies) - Required GPA 4.8

Law - Justice Studies - Required GPA 4.2

Science & Technology (except IT, Pharmacy & Medical Imaging Technology) - Required GPA 4.6

Science & Technology - Information Technology - Required GPA 4.8

Science & Technology - Pharmacy & Medical Imaging Technology - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC04 - Extended Foundation Program

Semester One

QCF115 Foundation English

QCF156 Mathematics A1

OR

QCF157 Mathematics B1

+ TWO ELECTIVES from the following list

QCF120 Accounting 1

QCF121 Economics 1

QCF153 Physical Sciences 1

QCF122 Organisations And Management

QCF252 Life Science

null

null

Note: There is no computing component in QCF115 for 13TP2 & 13TP3.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Semester Two

QCF111 Tertiary Preparation Studies 1

QCF112 Academic English 1

QCF256	Mathematics A2 OR
QCF257	Mathematics B2 OR
QCF260	Professional Studies + TWO ELECTIVES from the following list
QCF122	Organisations And Management
QCF160	Introduction to Creativity
QCF220	Accounting 2
QCF221	Economics 2
QCF230	Information Processing
QCF254	Physics
QCF255	Chemistry
QCF270	International Perspectives Approved diploma units (Business, IT or Professional Communication students only). Diploma units can only be taken under special circumstances and with the approval of the Course Coordinator. Note: In some semesters some elective units may not be offered if there is insufficient demand. null

Semester Three (8 Week Teaching Period)

QCF211	Tertiary Preparation Studies 2
QCF212	Academic English 2 Note: In this semester students focus on the higher level tertiary preparation and communication skills and attend 18 hours of study per week in their classes over a 8 week teaching period.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Business Analyst, Cell Biologist, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Game Programmer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services

Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Contractor, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Exploration Geologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Biologist, Forensic Chemist, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Pharmaceutical Research Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Post-production specialist, Preschool Teacher, Primary School Teacher, Programmer, Project Manager, Property Development, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Research and Development Chemist, Risk Manager, Sales Person, School Counsellor, Scientist, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Lighting, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

University Certificate In Tertiary Preparation (QC05)

Year offered: 2009

Admissions: Yes

CRICOS code: 065044F

Course duration (full-time): 1 semester

International Fees (per semester): 2009: \$7,210 per semester (*subject to annual review*)

International Entry: February, July and October

Total credit points: 48

Standard credit points per full-time semester: 48

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements - Academic

Students must have met the academic entry requirements for their proposed postgraduate or undergraduate course.

Entry Requirements- English Language

IELTS 6.0 with no sub-score less than 5.0 or TOEFL iBT Overall score of 80 (at least 18 in all bands) or TOEFL 550 (paper) or TOEFL 213 (CBT) or equivalent, or successful completion of the EAP program (N.B. Students should also check visa requirements).

Description

The University Certificate in Tertiary Preparation is a one-semester program that enables students to receive a University certificate on successful completion. It is designed for students who may have already met the academic entry requirements for a QUT undergraduate or postgraduate degree, but who may not have met the English language and/or prerequisite requirements.*

This program provides two alternative streams:

Stream A is designed for students who have not met English and/or prerequisite requirements for their chosen undergraduate or postgraduate course. Most students may undertake one degree unit (for credit) whilst enrolled in the University Certificate in Tertiary Preparation program. Those with advance standing may be able to undertake two Faculty unit.

Stream B is for students who have met English requirements but not prerequisite requirement for their degree, or who may wish to improve the standard of their academic English. These students may take one or two degree units (for credit) whilst enrolled in the University Certificate in Tertiary Preparation Program.

Both streams include intensive preparation for academic language, lateral thinking, research and presentation skills required for successful tertiary study. Small classes and dedicated staff ensure an excellent learning environment. Additional support is provided by Language and Welfare Advisers.

Alternatively, there may be some students who have already met both the academic and English requirements for a QUT degree entry, but who would prefer to undertake

the University Certificate in Tertiary Preparation in order to prepare for academic study in a different tertiary environment.

*Students who require a Student Visa should check the English language requirements for a student visa from their country of origin.

Course Completion

Students must obtain at least a grade of 4 (Pass) in all units.

Progression

In order to progress to an award course, students must:

- i) fulfil the University Certificate in Tertiary Preparation course requirements
- ii) gain a minimum grade of 4 (Pass) in Communication 2 or an IELTS 6.5 or equivalent,
- iii) meet any other conditions detailed in the 'letter of offer' from Student Business Services.

QC05 - University Certificate in Tertiary Preparation

Stream A (for those with IELTS 6.0)

QCD111 Communication 1

QCD211 Communication 2

QCS230 Computing

DEGREE UNIT

Undergraduate students will need to enrol in the units QCD110 and QCD210

Stream B (for those with IELTS 6.5)

QCD111 Communication 1

QCD211 Communication 2

DEGREE UNIT one

DEGREE UNIT two

Undergraduate students will need to enrol in the units QCD110 and QCD210

English for Academic Purposes for degree programs (QC10)

Year offered: 2009

Admissions: Yes

CRICOS code: 011424G

Course duration (full-time): 12 weeks

International Fees (per semester): 2009: \$3,960 per semester (*subject to annual review*)

International Entry: March, July and October (dates are designed to allow entry to selected semester of next course)

Total credit points: 48

Course coordinator: John Healy

Campus: Kelvin Grove

The EAP course consists of the following integrated modules:

Seminars and Presentations

Academic Reading and Note-taking

Academic Writing

Listening and Note-taking from Lectures

Speaking in Academic Settings

Academic Study Skills

Computer Word-processing and Internet research skills

Library research skills

Entry Requirements - Academic

To be eligible for entry, applicants must either:

1. Have an offer of a place in a QUT degree program and successfully complete the relevant EAP entry test; or

2. Degree Entry (IELTS 6.5) - Produce original documentary evidence of an IELTS score with an overall minimum of 5.5 with reading and writing no less than 5.5 and no other sub-band less than 5 (or approved equivalent); OR

3. Degree Entry (IELTS 6.0) - Produce original documentary evidence of an IELTS score with an overall minimum of 5.5 with no sub-band less than 5 (or approved equivalent).

* You should check the English language requirements for a Student Visa from your country of origin.

Description

The aim of the EAP course is to assist international students to upgrade their English proficiency level to meet university entry requirements. The course is designed to prepare students for independent study and to familiarise them with an Australian academic setting in terms of study techniques and student/lecturer relations and expectations.

Course Completion

To be eligible to receive EAP certification at the end of the course, students must complete all course requirements.

On successful completion of the course, students will receive a Completion & Attendance Certificate and a Statement of Results.

Progression

Successful completion of an EAP course is a pathway into QUT International College Foundation, Diploma, Certificate or Bridging programs; or QUT undergraduate or postgraduate award programs. The course is recognised by all QUT faculties.

Course structure

Modules

QCE003 English for Academic Purposes for Direct Entry to QUT

English for Academic Purposes for Foundation and University Diploma Programs (QC10)

Year offered: 2009

Admissions: Yes

CRICOS code: 011424G

Course duration (full-time): 12 weeks

International Fees (per semester): 2009: \$3,960 per semester + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: March, July and October (dates are designed to allow entry to selected semester of next course)

Total credit points: 48

Course coordinator: John Healy

Campus: Kelvin Grove

Seminars and Presentations

Academic Reading and Note-taking

Academic Writing

Listening and Note-taking from Lectures

Speaking in Academic Settings

Academic Study Skills

Computer Word-processing and Internet research skills

Library research skills

Entry requirements*

To be eligible for entry, applicants must either:

1. Have an offer of a place in a QUT Foundation or Diploma program and successfully complete the relevant EAP entry test; or
2. Produce original documentary evidence of an IELTS score of a minimum 5.0 with reading and writing sub-score of at least 5.0 (or approved equivalent).

* You should check the English language requirements for a Student Visa from your country of origin.

Description

This course is designed for students intending to gain entry to University Entry programs (Foundation and University Diplomas). Its purpose is to improve students' English language and study skills in order to prepare them for independent study and to familiarise them with the Australian academic environment.

Course Completion

To be eligible to receive EAP certification at the end of the course, students must complete all course requirements.

On successful completion of the course, students will receive a Completion & Attendance Certificate and a Statement of Results.

Progression

Successful completion of this EAP course is a pathway into QUT International College Foundation and Diploma programs and the Associate Degree in Dance.

QC10 - English for Academic Purposes for Foundation and University Diploma Programs

Modules

QCE004 English for Academic Purposes for QUTIC Courses

The EAP course consists of the following integrated modules:

General English (QC20)

Year offered: 2009

Admissions: Yes

CRICOS code: 062077K

Course duration (full-time): 5 weeks

International Fees (per semester): 2009: \$1,650 per 5 week session + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: 9 entry dates per year.

Total credit points: 20

Course coordinator: Ian Davies (ip.davies@qut.edu.au)

Campus: Kelvin Grove

Cultural Studies, including field trips and excursions (which may incur some additional, minimal cost)

Electives Activities Program

Computer-based language learning

Independent learning skills

Entry Requirements - English Language

Students should check visa requirements in relation to English entry levels.

Description

This course offers English language and study skills for students preparing for entry to EAP, Foundation, Certificate and Diploma programs and QUT undergraduate and postgraduate award programs.

There are also non-academic English language courses at all levels from beginners to advanced. These courses include excursions and activities (which may incur some additional, minimal cost).

All English language courses include 25 hours of classes per week and there are new intakes every five weeks - for entry dates please see <http://www.qutic.qut.edu.au/about/entrydates/calendars.jsp>

Course Completion

On completion of the course, students will receive a Completion/Proficiency Certificate and an Attendance Certificate.

Progression

Progress is monitored on a student profile which is created for each student over the length of the course. All assessment results (formative/summative/diagnostic) are recorded.

Students can progress from General English into the EAP course or other programs. Progression is subject to entry requirements.

QC20 - General English

General English

QCE001 General English (Full-time)

While specific content varies according to level, broadly the course consists of:

English Language Structures & Systems

Grammar

Vocabulary

Integrated Skills Development (reading, writing, speaking, listening)

General English Extension (QC21)

Year offered: 2009

Admissions: Yes

Course duration (full-time): 5 weeks

International Fees (per semester): 2009: \$1,650 per 5 week session + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: Every 5 weeks

Total credit points: 20

Course coordinator: Ian Davies (ip.davies@qut.edu.au)

Campus: Kelvin Grove

Integrated Skills Development (reading, writing, speaking, listening)

Cultural Studies, including field trips and excursions (which may incur some additional, minimal cost)

Electives Activities Program

Computer-based language learning

Independent learning skills

Entry Requirements - English Language

Students should check visa requirements in relation to English entry levels.

This course is for students enrolled in QC20 General English and wishes to continue their enrolment in General English.

Description

This course offers English language and study skills for students preparing for entry to EAP, Foundation, Certificate and Diploma programs and QUT undergraduate and postgraduate award programs.

There are also non-academic English language courses at all levels from beginners to advanced. These courses include excursions and activities (which may incur some additional, minimal cost).

All English language courses include 25 hours of classes per week and there are new intakes every five weeks - for entry dates please see <http://www.qutic.qut.edu.au/about/entrydates/calendars.jsp>

Course Completion

On completion of the course, students will receive a Completion/Proficiency Certificate and an Attendance Certificate.

Progression

Progress is monitored on a student profile which is created for each student over the length of the course. All assessment results (formative/summative/diagnostic) are recorded.

Students can progress from General English into the EAP course or other programs. Progression is subject to entry requirements.

QC21 - General English Extension

General English Extension

QCE001 General English (Full-time)

While specific content varies according to level, broadly the course consists of:

English Language Structures & Systems

Grammar

Vocabulary

English for Tertiary Preparation (QC22)

Year offered: 2009

Admissions: Yes

CRICOS code: 045062C

Course duration (full-time): 2 weeks

International Fees (per semester): 2009: \$660 + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: February, June and October

Total credit points: 8

Course coordinator: Michael Miller (mj.miller@qut.edu.au)

Campus: Kelvin Grove

Entry Requirements

Academic requirements:

An offer of acceptance for a QUT Foundation or University Diploma course.

English requirements:

An IELTS score of at least 5.5 (with sub-scores of at least 5.0) or approved equivalent.

Description

The course aims to enhance the English language proficiency of students who already meet the IELTS requirements for their Foundation or University Diploma Program. ETP teaches and practices academic writing, reading, listening and speaking.

The course assists students with the adjustment to studying at an Australian university.

Course Completion

On completion of the course, students will receive a Completion and Attendance Certificate.

QC22 - English for Tertiary Preparation

English for Tertiary Preparation

QCE005 English for Tertiary Preparation Studies

English For Academic Purposes Plus (QC24)

Year offered: 2009

Admissions: Yes

CRICOS code: 064814K

Course duration (full-time): 24 weeks

International Fees (per semester): 2009: \$7920 per block + A\$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: April, July and November (dates are designed to allow entry to selected semester of next course)

Total credit points: 96

Course coordinator: John Healy

Campus: Kelvin Grove

Entry Requirements - Academic

To be eligible for entry, applicants must have:

1. A conditional offer for a QUT degree program. Students without a conditional offer who wish to improve their academic English may also apply if they meet the English language entry requirements.

OR

2. Produce original documentary evidence of an IELTS score of a minimum 5.0 with reading and writing sub-scores of at least 5.0 (or approved equivalent). Students will also sit a placement test at the beginning of their course.

* You should check the English language requirements for a Student Visa from your country of origin.

Description

EAP Plus has been specifically developed for students who wish to commence their entry into an English for Academic Purposes course earlier. Successful applicants can enter the course at pre-intermediate level and immediately begin developing their English language and study skills in an academic context.

EAP Plus enables students to begin developing their English language and study skills in an academic context from a pre-intermediate level. The course aims to prepare students to attain the level of proficiency required for gaining entrance to, and succeeding in QUT undergraduate and postgraduate award programs. EAP Plus courses include:

- Academic reading and note-making
- Academic writing
- Listening and note-taking from lectures
- Speaking in academic settings
- Seminars and presentations
- Academic study skills
- Computing and Internet skills
- Library research

During the first 12 weeks of the EAP Plus course, students will develop their paragraph writing, reading, listening and note-taking skills through theme-based topics at an introductory academic level, along with speaking and oral presentation skills in a highly-supported environment.

Weekly grammar, paraphrasing and vocabulary development supports the reading, writing and note-taking components. Reading skills are also enhanced via extended reading practice and specific reading skills lessons.

The second half of the course will further develop independent study skills enabling students to operate effectively in an Australian academic setting in terms of study techniques and student/lecturer relations and expectations.

EAP Plus has its own internal assessment consisting of exams and assignments, and successful students will meet QUT's English language requirements.

Course Completion

To be eligible to receive EAP Plus Certificate at the end of the course, students must complete all course requirements.

On successful completion of the course, students will receive a Completion & Attendance Certificate and a Statement of Results.

Progression

Successful completion of the EAP Plus course provides a pathway into QUT undergraduate and postgraduate award programs for students who meet the academic requirements for these programs.

Course structure

QCE009	EAP Plus
QCE003	English for Academic Purposes for Direct Entry to QUT
	The EAP Plus course consists of the following integrated modules:
	Seminars and Presentations
	Academic Reading and Note-Taking
	Academic Writing
	Listening and Note-taking from Lectures
	Speaking in Academic Settings
	Academic Study Skills
	Computing and Internet Research Skills
	Library Research Skills

Bachelor of Urban Development (UD40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056387B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,628 (indicative)
per semester

International Fees (per semester): 2009: \$10,250
(indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

OP Guarantee: Yes

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Bachelor of Urban Development (Construction Management) (UD40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056387B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,628 (indicative) per semester

International Fees (per semester): 2009: \$10,250 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412312

Past rank cut-off: 77

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Dr Vaughan Coffey

Campus: Gardens Point

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Career Outcomes

Graduates employed in the construction process are involved in the coordinating of the construction and maintenance of large building projects, the development of government and corporate policies, the administration of regulations, and the development and research of building systems and products. They may be employed in private organisations such as large construction and development companies or consultancies, while some are employed by government departments.

Overview

The course is concerned with the management of the overall process of construction projects and provides detailed understanding of project development from conception, through planning and construction to commissioning and maintenance. It develops skills in how to

manage people, materials, equipment and plant while focusing on issues such as cost, time, quality, safety and environment. It educates students to become effective construction managers with comprehensive technological knowledge, management principles and communication skills.

Special Course Requirements

All students are required to obtain a minimum of 100 days of approved industrial experience.

Professional Recognition

Recognition is being sought from the Australian Institute of Building and the Australian Institute of Building Surveyors.

Minors

For accreditation purposes you are required to undertake specified minors which will include employment practice.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1

BEB100 Introducing Professional Learning

UDB101 Stewardship of Land

UDB110 Residential Construction and Engineering

UDB111 Engineering Construction Materials

Year 1- Semester 2

BEB200 Introducing Sustainability

UDB104 Urban Development Economics

UDB112 Professional Studies 1
UDB113 Measurement 1

Year 2 - Semester 1

UDB210 Commercial Construction and Engineering
UDB211 Introductory Structural Engineering
UDB212 Measurement 2
UDB213 Construction Estimating

Year 2 - Semester 2

UDB102 Applied Law
UDB214 Professional Studies 2
UDB215 Building Services Engineering
Second Major/Minor unit

Year 3 - Semester 1

UDB310 Highrise Construction and Engineering
UDB311 Structural Engineering Design
UDB312 Contract Administration
Second Major/Minor unit

Year 3 - Semester 2

UDB202 Business Skills
UDB314 Statutory Construction Law
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1

UDB301 Research Methods
UDB313 Programming and Scheduling
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2

UDB302 Development Process
UDB410 Construction Management
Second Major/Minor unit
Second Major/Minor unit

Course structure - mid year entry

Year 1 - Semester 2

BEB200 Introducing Sustainability
UDB102 Applied Law
UDB104 Urban Development Economics
UDB202 Business Skills

Year 2 - Semester 1

BEB100 Introducing Professional Learning
UDB110 Residential Construction and Engineering
UDB111 Engineering Construction Materials
UDB211 Introductory Structural Engineering

Year 2 - Semester 2

UDB112 Professional Studies 1
UDB113 Measurement 1
UDB215 Building Services Engineering
Second Major/Minor unit

Year 3 - Semester 1

UDB210 Commercial Construction and Engineering
UDB212 Measurement 2
UDB213 Construction Estimating
UDB310 Highrise Construction and Engineering

Year 3 - Semester 2

UDB214 Professional Studies 2
UDB314 Statutory Construction Law
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1

UDB101 Stewardship of Land
UDB301 Research Methods
UDB311 Structural Engineering Design
Second Major/Minor unit

Year 4 - Semester 2

UDB302 Development Process
UDB410 Construction Management
Second Major/Minor unit
Second Major/Minor unit

Year 5 - Semester 1

UDB312 Contract Administration
UDB313 Programming and Scheduling
Second Major/Minor unit
Second Major/Minor unit

Potential Careers:

Construction Manager, Contract Administrator, Estimator, Project Manager, Urban and Regional Planner, Urban Designer.

Bachelor of Urban Development (Property Economics) (UD40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056387B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,628 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412322

Past rank cut-off: 77

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Dr Bwembya Chikolwa

Campus: Gardens Point

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Career Outcomes

Property Economics is the profession associated with the management, administration and use of land and property such as office buildings, shopping centres, factories, hotels etc. Graduates work in private practice or as employees of property development, valuation, property management, investment or property finance companies. They may also work in government departments and local authorities concerned with rating, compulsory acquisitions or property development.

Overview

This course is concerned with all aspects of property - investment, asset management, development, valuation and research - with a focus on finance and on the commercial property market sector.

Special Course Requirements

You are required to obtain a minimum of 30 days approved professional work experience.

Professional Recognition

The 4 year degree has professional recognition from the Australian Property Institute, the Valuers' Registration Board of Queensland, and from the Royal Institution of Chartered Surveyors.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Majors/Minors

In your final two years you will have the opportunity to undertake a major (8 units) or 2 minors (4 units) from other areas of interest.

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB110	Residential Construction and Engineering
UDB140	Property Valuation 1

Year 1- Semester 2

BEB200	Introducing Sustainability
UDB102	Applied Law
UDB104	Urban Development Economics
UDB141	Building Studies

Year 2 - Semester 1

UDB240	Planning Theory and Processes
UDB241	Property Law 1
UDB242	Property Valuation 2

UDB243 Property Economics

Year 2 - Semester 2

UDB244 Property Law 2

UDB245 Urban Land Studies

UDB246 Property Feasibility Studies

UDB247 Property Valuation 3

Year 3 - Semester 1

UDB301 Research Methods

UDB341 Property Finance

Second Major/Minor unit

Second Major/Minor unit

Year 3 - Semester 2

UDB302 Development Process

UDB344 Property and Asset Management

Second Major/Minor unit

Second Major/Minor unit

Year 4 - Semester 1

UDB340 Agency Practice and Marketing

UDB342 Real Estate Accounting and Taxation

Second Major/Minor unit

Second Major/Minor unit

Year 4 - Semester 2

BEB701 Work Integrated Learning 1

UDB202 Business Skills

Second Major/Minor unit

Second Major/Minor unit

Potential Careers:

Project Developer, Project Manager, Property Development, Property Economist, Property Management, Real Estate.

Bachelor of Urban Development (Quantity Surveying) (UD40)

Year offered: 2009

Admissions: No

CRICOS code: 056387B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,628 (indicative) per semester

International Fees (per semester): 2009: \$10,500 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February and July

QTAC code: 412312

Past rank cut-off: 77

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Dr Johnny Wong

Campus: Gardens Point

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Career Outcomes

Quantity Surveyors prepare cost estimates and check actual expenditure for large construction projects. They usually work in offices but can also visit building sites, clients and members of teams. Graduates are employed by private quantity surveying firms, government departments and building companies.

Overview

The course prepares students to work as quantity surveyors or building economists. The course covers building management, cost planning and control, building development techniques, building research, computer software application, measurement of construction, and legal issues. **Applicants will be initially enrolled in the Bachelor of Urban Development (Construction Management) but will be directed to take suitable units**

to graduate with a Quantity Surveying primary major.

Special Course Requirements

You are required to gain a minimum of 80 days of approved employment in the final year of the course.

Professional Recognition

This course is fully accredited by the Australian Institute of Quantity Surveyors, The Royal Institution of Chartered Surveyors (Honours version only), and the Board of Quantity Surveyors Malaysia (with Property Economics second major).

Minors

You will have the opportunity to undertake a minor (4 Units from one discipline area) which can be used to extend your construction knowledge into more advanced and specialised construction issues. Alternately, the minor can be used to broaden students' education by undertaking units from other faculties within the university subject to accreditation requirements.

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB110	Residential Construction and Engineering
UDB111	Engineering Construction Materials

Year 1- Semester 2

BEB200 Introducing Sustainability
UDB104 Urban Development Economics
UDB112 Professional Studies 1
UDB113 Measurement 1

Year 2 - Semester 1

UDB210 Commercial Construction and Engineering
UDB212 Measurement 2
UDB213 Construction Estimating
UDB216 The Environment and the Quantity Surveyor

Year 2 - Semester 2

UDB102 Applied Law
UDB202 Business Skills
UDB215 Building Services Engineering
Second Major/Minor unit

Year 3 - Semester 1

UDB310 Highrise Construction and Engineering
UDB312 Contract Administration
UDB315 Measurement 3
Second Major/Minor unit

Year 3 - Semester 2

UDB314 Statutory Construction Law
UDB316 Cost Planning and Control
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1

BEB701 Work Integrated Learning 1
UDB301 Research Methods
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2

BEB801 Project 1
UDB302 Development Process
Second Major/Minor unit
Second Major/Minor unit

Course structure - mid year entry

Year 1 - Semester 2

BEB200 Introducing Sustainability
UDB102 Applied Law
UDB104 Urban Development Economics
UDB202 Business Skills

Year 2 - Semester 1

BEB100 Introducing Professional Learning
UDB101 Stewardship of Land

UDB110 Residential Construction and Engineering
UDB111 Engineering Construction Materials

Year 2 - Semester 2

UDB112 Professional Studies 1
UDB113 Measurement 1
UDB215 Building Services Engineering
Second Major/Minor unit

Year 3 - Semester 1

UDB210 Commercial Construction and Engineering
UDB212 Measurement 2
UDB216 The Environment and the Quantity Surveyor
UDB310 Highrise Construction and Engineering

Year 3 - Semester 2

UDB314 Statutory Construction Law
UDB316 Cost Planning and Control
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1

BEB701 Work Integrated Learning 1
UDB213 Construction Estimating
UDB301 Research Methods
UDB315 Measurement 3

Year 4 - Semester 2

BEB801 Project 1
UDB302 Development Process
Second Major/Minor unit
Second Major/Minor unit

Year 5 - Semester 1

UDB312 Contract Administration
Second Major/Minor unit
Second Major/Minor unit
Second Major/Minor unit

Potential Careers:

Estimator, Manager, Quantity Surveyor.

Bachelor of Urban Development (Spatial Science) (UD40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056387B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,628 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412532

Past rank cut-off: 77

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths B (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Mr Robert Webb

Campus: Gardens Point

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Career Outcomes

Surveyors assess geographic and land information for implementing appropriate administration for the land, sea and related structures. Spatial information refers to information about the geographical relationship between places, people and other items within a particular area. There are employment opportunities in all levels of government, private practice and multi-national companies, statutory authorities or semi-government agencies employ them. You will have the opportunity to travel as the degree is readily accepted overseas. After some years of experience you may become a manager or specialise as one of the following: Cadastral/Land Surveyor; Engineering Surveyor; Geodetic Surveyor; Mine Surveyor; Remote Sensing Surveyor; Topographic Surveyor; Cartographer (mapping).

Overview

This degree is a broad-based course. The first year is a foundation year designed to prepare students to deliver practical solutions to problems involving spatial information and decision-making. Students study foundation units such as mathematics, professional studies, sustainability as well as surveying in their first year. In the following years the areas covered are geodetic and control surveying, topographic mapping, photogrammetry, mine surveying, hydrographic surveying, land development design and geographic information systems.

Professional Recognition

The course is recognised by the Spatial Science Institute and has preliminary recognition from the Queensland Surveyors Board; full accreditation is currently being sought.

Special Course Requirements

You will be required to attend compulsory field practicals off-campus in the Moreton Region and have access to an advanced scientific calculator for use during the course. To graduate you are required to have at least 90 days of approved industrial experience/practice in a surveying/mapping environment.

Minors

For professional recognition you will undertake two minors (a minor is four units or 48 credit points in the same discipline) the first is a Science minor which includes Maths and the second an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised spatial science units.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
MAB100	Mathematical Sciences 1A
UDB101	Stewardship of Land
UDB181	Geospatial Positioning and GPS

Year 1- Semester 2

BEB200	Introducing Sustainability
MAB101	Statistical Data Analysis 1
UDB104	Urban Development Economics
UDB182	Surveying

Year 2 - Semester 1

PCB172	Physics for Surveyors
UDB281	Geographic Information Systems
UDB283	Surveying Computations
UDB285	Cadastral Surveying

Year 2 - Semester 2

MAB730	Surveying Mathematics 2
UDB102	Applied Law
UDB282	Remote Sensing
UDB284	Engineering Surveying

Year 3 - Semester 1

UDB381	Geospatial Mapping
UDB383	Control Surveying and Analysis
UDB385	Cadastral and Land Management
UDB387	Spatial and Land Information Management

Year 3 - Semester 2

UDB302	Development Process
UDB382	Photogrammetric Mapping
UDB384	Geodesy
UDB388	Spatial Analysis Practice

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
UDB301	Research Methods
UDB483	Global Positioning Principles and Practice
UDB485	Property Development Practice

Year 4 - Semester 2

BEB801	Project 1
UDB202	Business Skills
UDB484	Topographic, Hydrographic and Mining Surveying
UDB486	Cadastral Practice

Potential Careers:

Geoscientist, Mapping Scientist/Photogrammetrist, Surveyor.

Bachelor of Urban Development (Urban and Regional Planning) (UD40)

Year offered: 2009

Admissions: Yes

CRICOS code: 056387B

Course duration (full-time): 4 years

Domestic fees (indicative): 2009: CSP \$3,628 (indicative) per semester

International Fees (per semester): 2009: \$11,000 (indicative) per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 412352

Past rank cut-off: 77

Past OP cut-off: 12

OP Guarantee: Yes

Assumed knowledge: English (4, SA)

Preparatory studies: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr John Hayes

Discipline coordinator: Mr Paul Donehue

Campus: Gardens Point

QUT Entry Bonus Scheme

The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2008 and applying for entry in 2009.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2009.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Career Outcomes

Urban and Regional Planners develop plans and policies for the use of land and resources. They aim to fulfil the social, cultural economic and environmental needs of the community. There are numerous employment opportunities can found in state and local government departments, with private sector planning consultants and land development enterprises. Graduates can build careers in urban design, community health and welfare, housing, transport, and strategic land-use planning, and land and resource development.

Overview

This course aims to educate students to become innovative leaders in professional planning, with the capacity and will to create a better world. Graduates will apply perceptive sensibilities and skills to create sustainable natural and human environments. The QUT course emphasises creative design and inclusive community planning. You will have the opportunity to work on live projects with local councils and community groups.

Professional Recognition

This course has received accreditation from the Planning Institute of Australia.

Minors/Majors

You will be able to select two four unit minors or one eight-unit major to enhance your broader appreciation of fields related to urban and regional planning for example: landscape architecture, urban design, surveying, property economics, law and business management.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

School of Urban Development - Phone +61 7 3138 2678, Fax +61 7 3138 1515, email: bee.enquiries@qut.com

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1

BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB161	Introduction to Planning and Design
UDB162	History of Built Environment

Year 1- Semester 2

BEB200	Introducing Sustainability
UDB104	Urban Development Economics
UDB163	Land Use Planning
UDB164	Population and Urban Studies

Year 2 - Semester 1

UDB265	Site Planning
UDB266	Planning Processes and Consultations

Second Major/Minor unit

Second Major/Minor unit

Year 2 - Semester 2

UDB102 Applied Law

UDB267 Development Assessment and Infrastructure

Second Major/Minor unit

Second Major/Minor unit

Year 3 - Semester 1

UDB368 Urban Design

UDB369 Negotiation and Conflict Resolution

Second Major/Minor unit

Second Major/Minor unit

Year 3 - Semester 2

UDB302 Development Process

UDB370 Environmental Planning and Management

Second Major/Minor unit

Second Major/Minor unit

Year 4 - Semester 1

UDB301 Research Methods

UDB471 Urban Planning Practice

UDB473 Planning Theory and Ethics

BEB801 Project 1

OR

BEB802 Project 2

Year 4 - Semester 2

UDB202 Business Skills

UDB472 Community Planning

UDB474 Regional Planning Practice

UDB475 Regional and Metropolitan Policy

Potential Careers:

Urban and Regional Planner, Urban Designer.

Master of Urban Development (Urban and Regional Planning) (UD50)

Year offered: 2009

Admissions: Yes

CRICOS code: 060809F

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (indicative): 2010: Full fee tuition \$8,250 (indicative) per semester

International Fees (per semester): 2010: \$10,750 (indicative) per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Professor Jay Yang (Please refer course specific enquiries to Course Leader.)

Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)

Campus: Gardens Point

Overview

This course aims to enhance and advance the range of knowledge, skills and social understanding required to operate professionally within the urban development context. The course sets practice within the broader socioeconomic and political contexts that influence the development of policy and infrastructure in the built environment. The course is designed to offer graduates the full range of knowledge, skills and social understanding required to become a successful urban and regional planner. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant urban development discipline area and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Professional Recognition

Students completing the Graduate Certificate in Built Environment and Engineering, with appropriate unit selection, and the Master of Urban Development (Urban and Regional Planning), will be eligible for graduate membership of the Planning Institute of Australia.

Career Outcomes

Graduates can expect to be in demand in local, state and commonwealth government departments, planning and development enterprises and consultancies, and in the

voluntary sector, both in Australia and overseas. Opportunities include development planning and assessment, consultancy within the urban design field, regional planning, plan and policy preparation for land use, environment, housing, transport, recreation, education, community engagement and development, and corporate planning.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Advanced Standing

Students completing two Masters courses in the Faculty of Built Environment and Engineering will be eligible to apply for a maximum of 24 credit points advanced standing in the second course on the basis of common units already completed. Such students will be required to complete a minimum of 72cp to be determined in consultation with the nominated Course Leader, to achieve the second Masters.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
GSN235	Communication, Negotiation and Leadership
UDN510	Urban Planning Practice
UDN516	Master Concepts and Ethics Seminar

Year 1, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
UDN512	Community Planning
UDN514	Regional Planning Practice

Part-time Course Structure - Year 1, Semester 1

BEN610	Project Management Principles
UDN510	Urban Planning Practice

Year 1, Semester 2

UDN512	Community Planning
UDN514	Regional Planning Practice

Year 2, Semester 1

GSN235	Communication, Negotiation and Leadership
UDN516	Master Concepts and Ethics Seminar

Year 2, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
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BEN910 Integrated Project

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering
AMN435 Communication, Negotiation and Leadership
UDN512 Community Planning
UDN514 Regional Planning Practice

Year 2, Semester 1

BEN610 Project Management Principles
BEN910 Integrated Project
UDN510 Urban Planning Practice
UDN516 Master Concepts and Ethics Seminar

Part-time Course Structure - Year 1, Semester 2

UDN512 Community Planning
UDN514 Regional Planning Practice

Year 2, Semester 1

BEN610 Project Management Principles
UDN510 Urban Planning Practice

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering
AMN435 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project
UDN516 Master Concepts and Ethics Seminar

Potential Careers:

Urban and Regional Planner.